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Published every Wednesday
Fifteenth Year No. 1

Publication Office
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San Francisco Cal., January 6, 1915.

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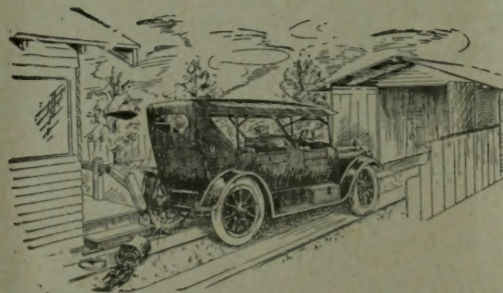
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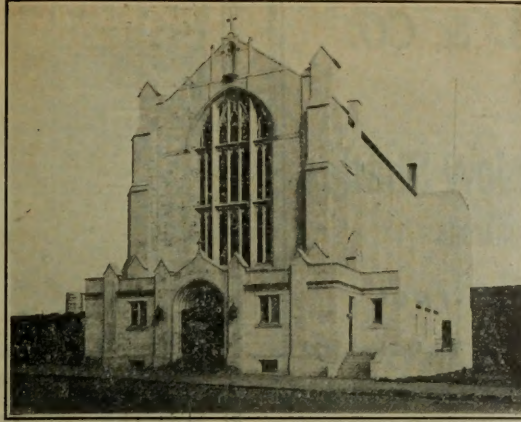
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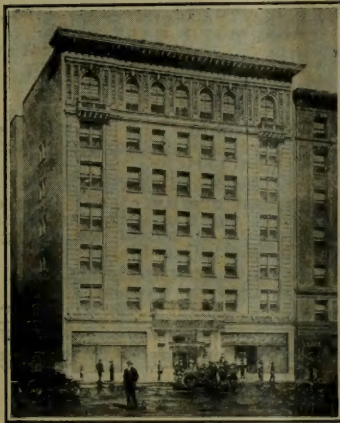
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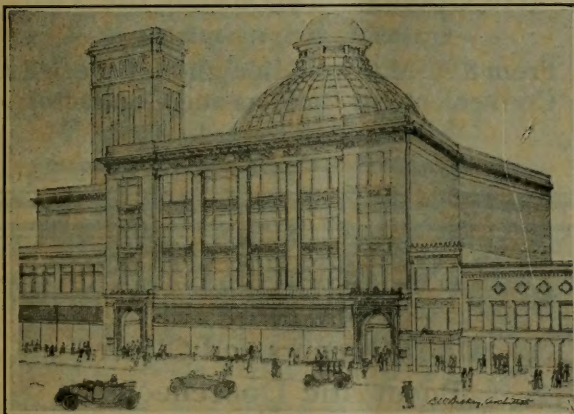
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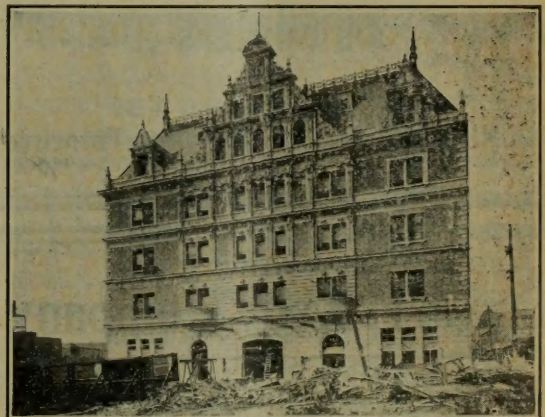
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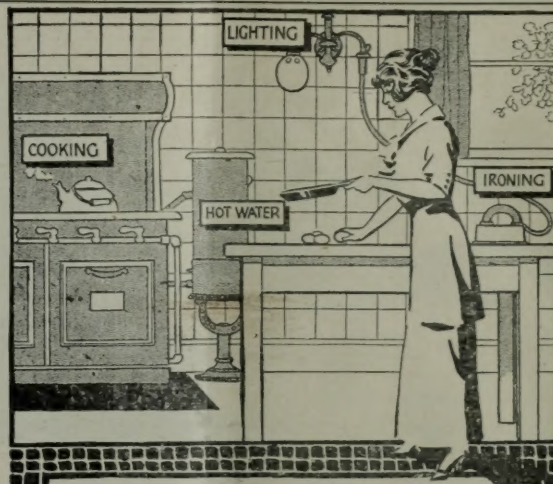
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Fifteenth Year, No 52

99978



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Editorial Comment.

To commemorate Commodore Oliver Hazard Perry's victory over the British fleet in the naval battle of Lake Erie on September 10, 1813, the Interstate Board of the Perry's Victory Centennial Commission, appointed by the President of the United States and the governors of 10 states, authorized the erection of a monument at Put-in-Bay, South Bass Island, Ohio. The monument, which has just been completed, is in the form of a great Doric column in pink Milford granite, 317 ft. 3 in. high, surmounted by a gigantic bronze tripod and light, 22 ft. 10 in. high, a total height of 340 ft. 1 in. The column is 45 ft. in diameter at the base, and 35 ft. 6 in. at the neck, while the abacus at the top is 47 ft. square. The walls are 9 ft. 9 in. thick at the base and 4 ft. at the neck. The tripod, of statuary bronze in wrought and cast sections, is 17 ft. 4 in. in diameter. Its glass dome is an unbroken surface with closed joints, a form of construction never before attempted in glass. The tripod weighs approximately 10 tons and cost \$13,000, while the total cost of the column was \$395,000.

The names of the Americans killed and wounded in the battle of Lake Erie, Sept. 10, 1813, will be carved in the wall panels of the rotunda of the column, and the complete roster of the fleet will appear in bronze tablets on the second floor. A passenger elevator will run to the spectators' gallery, at a height of 317 ft. The memorial reservation of 14 acres, from the center of which the column rises, comprises the narrowest part of Put-in-Bay Island toward East Point, overlooking in either direction from the site of the column, within a distance of about 300 ft., the waters of both Lake Erie and Put-in-Bay Harbor. The scene most appropriately includes Gibraltar Island, West Sister Island, off whose shores Commodore Perry dispatched his famous message, "We have met the enemy and they are ours;" the Canadian shore, the expanse of waters, and the international boundary line.—Popular Mechanics.

Here is an Editor's view of the petition to divide California and his opinion of the movement in San Francisco as expressed by Chester Rowell in the Fresno Republican:

A petition is being circulated in San Francisco, by sponsorship undisclosed, to divide the State of California at the Tehachapi. While the purpose of this particular petition is not stated by its circulators, the discussions which have preceded its circulation make entirely evident the grievance which impels it.

According to many expressions of indignation heard and published in San Francisco and some other regions of

northern California, the sacred traditions and institutions of California are being menaced by the imported and un-Californian population of southern California. Some of these institutions have already been overthrown by the vote of these nefarious carpet-baggers, and others are now threatened. By laws which went into effect yesterday prize fighting has been forbidden in California, and the "Bohemianism" of the traditional tenderloins of California is no longer safe. These same tender feet some time ago stopped gambling on the horse races, and thereby expelled from California the sport of kings and pioneers. State laws forbidding all gambling have not yet been passed, but they are threatened, and many California cities, under the corrupting influence of these southerners, have passed local ordinances against gambling. Finally, as the last straw which made the situation unendurable, large numbers of these invaders from Iowa and Kansas, who have colonized southern California and made it a foreign province, this year voted to abolish the saloons, and they are threatening to repeat the attempt next year. If this nefarious conspiracy were to succeed, the last trace of true California would have disappeared, and the institutions of this state would have been subverted by a horde of foreigners bringing with them an alien civilization.

Since these foreigners have largely settled in the southern counties, it proposed to eject them from California. If they wish to destroy the prosperity and ruin the individuality of that limited section, it would be the part of prudence to isolate them there. The real California would then be safe in the preservation of its civilization, at least until such time as the invaders captured it, also. And if we got rid of Southern California, it might be possible to restore enough of the cherished institutions to discourage their immigration to California and to encourage emigration from California to the new state Cafeteria. Then if Schmitz could be elected mayor of San Francisco and restore the "good old times," he might possibly run for governor in 1918 and render a like service to the restored state of California. Surely this boon would be worth the loss of South California! Most of it is not Californian anyway, and the long-hairs who have invaded it could well be spared to flock by themselves.

If you think this argument is not serious, just go into any barroom in San Francisco and make it. You will find yourself received with so much enthusiasm that you can have all the free drinks you want, in tribute to your civic wisdom and Californian patriotism.

INDUSTRIAL ACTIVITIES.

Excerpts From a Paper on Vocational Education. Read by George W. Dickie
Before the Commonwealth 1914.

I think we can, without any argument, take it as an established fact, that the necessities of life come to the great majority as the result of their own labor in the production of these necessities, or in the production of other things that can be exchanged for what is necessary. That, I think, covers the entire field of industrial production. Every product of industry represents so much labor, or, I would prefer to say, so much life expended, and if the value of that product will not produce as much life as has been expended in its production, the life expended has been in a measure wasted. If, however, the thing produced will procure in the markets of the world more of the necessities of life than were consumed in its production and distribution, by so much has the wealth of the producer increased. This is the reason why producers in a country where life is maintained by the consumption of only what is absolutely necessary can give their industrial products in exchange for so little as compared to the country where the maintenance of life demands a far greater range and quality of the results of industry. If it were simply a question of unaided human capacity for production, coupled with the actual necessities for the maintenance of the life of the producer, the problem would not be at all complex. But man has an intellectual and moral side to his nature as well as a physical side, and on that account his knowledge and experience are cumulative, and his wants increase with the development of his higher nature. So our inquiry is—how best to prepare the coming industrial army of men and women for the position they are to take in relation to the rising tide of human progress; for they must either be carried by it to better conditions, or be hopelessly awamped beneath its mighty flood. What kind of education, then, shall we provide for the youth whose comfort in life is to depend entirely upon his productive industry?

In this inquiry we will leave out any consideration of the army of unskilled labor. That army is divided into two great divisions; those who carry and fetch for the artisan, the hewers of wood and the drawers of water for the people, the shovel, barrow and hod man; and the class at the other end of the social beam whose labor is entirely for their own amusement and, on that account, is not productive industry. The first class of unskilled labor is of great importance in most industries and how the conditions that prevail in the life of the toiler could be improved might form the subject of an interesting inquiry. Labor saving machines are lightening the burdens of, and at the same time displacing, the laborers in vast numbers, so that the numerical strength of this class is quickly diminishing, while the number of skilled workmen required is constantly increasing. This fact makes our inquiry as to how best to provide re-

cruits for the industrial army, a highly important one.

Questions to Be Answered.

The inquiry naturally divides itself into several questions, and these I will state and endeavor to answer from my own standpoint. Many of my hearers will not agree with me, because, on many points, my answers to these questions are directly opposed to the published views of many of our advanced teachers. They are also different from what I, myself, would like them to be. On the question of industrial education as a whole, my experience does not at all agree with my idea of what such an education should be, and, that, to me, is the painful part of the subject. Were it the education of the well-to-do people alone that had to be considered it would be a different question, but it is the children of the poor who complicate the matter, those children who must be utilized as part of the family maintenance before any industrial education can come to them. This, and other complications, will claim our attention as we endeavor to solve the following problems.

1. What is an industrial education?
2. At what time of life should it be imparted and how much of life is to be given to its acquisition?
3. In what way is this education to be acquired?
4. The difference between learning a trade and a technical education.
5. The present tendency of technical education and its effect on the industrial worker.

Industrial Training.

What is an industrial education? I would understand such an education to mean that the person who received it had attained to such a degree of manual dexterity in the production of some industrial article as would enable that person to compete successfully with others in the production of that article. I do not think that anything less than this can be accepted as an education that will fit a man or woman to secure remunerative employment in any industrial establishment, the output of which must be at least equal, both in quality and quantity, to the output of any other competing concern. This fact appears to be lost sight of by those who have educational schemes that they desire to put in operation, the result promised being that every graduate turned out by our great educational scheme will be a competent workman in some one of the many branches of industry. This is to be accomplished in such a pleasant way that the scholars will be skilled artisans without knowing anything of the painful processes by which their fathers learned to work. In other words, it is claimed that boys and girls at school can be taught, during the intervals of rest from mental studies, such trades as are practiced in the various industries of the country in which they live, so that when they leave school they can at

once begin life as industrial producers.

At this point the teacher and the practical men at the head of our industries take different sides; for when the school master thinks that an industrial education has been given to the scholar, the manufacturer, to whom the scholar applies for an opportunity, will not admit that the scholar's industrial education has even commenced. The investigation into the merits of each contention, which might be termed the school side and the shop side, leads us to the second question in our inquiry—"At what time of life should this industrial education be imparted and how much of life is to be given to its acquisition?"

This question is very complicated, and in order that you may not misunderstand me in the remarks I am to make, I must again say that I am looking at this question as it affects the children of working people, whose industrial education is to be the instrument whereby they are to procure the means of living. If this instrument works successfully they will live and may be happy, if not, they will starve and die. "Then," says the schoolmaster, "teach the children trades in the schools, so that when they graduate they will at once become money earning factors in the family."

When Training Should Begin.

I will agree with the schoolmaster in this, that the industrial education should begin early in life, that teaching dexterity of the hand should be coincident with the development of the mental faculties; but, as the school days of working people's children are necessarily very short, owing to the stern fact that physical growth means bread, the schoolmaster is forced to decide what he shall teach in the five or six years of child life that is entrusted to him. I think that you will all agree with me that the intellectual faculties must be awakened early in life, if that life is to experience any of the joys that spring from mental emotions. Besides, even in the practice of industry, the man must have learned the use and symbols that express his own language. He must also be able to express his thoughts in these symbols; he must know all the symbols by which quantities and values are expressed and be able to readily grasp their various and more simple combinations. In other words he must be able to read, write and compute. This much education must be imparted, even should the knowledge of any industry be rendered impossible thereby.

In some children the mental faculties awake slowly. While I was manager of the Union Iron Works of this city, we had many apprentice boys from the public schools to learn the various trades in our establishment, and it was astonishing to me how few of them, after being at school to their fifteenth year, could read clearly, write correctly or compute beyond the most rudimentary stage. This shows that

the elemental things in education are hardly now acquired by the children of working people during their school life. Unless the state is to support the scholar as well as the school the school term for these children cannot be extended, and we are forced to the conclusion that education in the arts and industries must be continued into the bread earning period of their lives. I will admit, in fact I think it highly necessary, that industrial lessons should be given in connection with mental studies and I am sure that such lessons would be a great stimulus to the mental faculties. This leads to our third question: "In what way is this education to be acquired?"

We have noted that there are certain items of instruction that must be imparted at the school, or they never will be acquired at all, but while these are being instilled into the young minds, the scholar at the same time can be introduced into the fields of industry. The text books might consist largely of industrial history and biography, object lessons on practical industry could be presented in such a way as would enable the scholar to follow industrial processes, and the kind of work he felt the greatest pleasure in observing would be an indication to the teacher as to the direction his studies should take.

With the gradual extinction of small industries conducted by workers themselves, and the rise of great industrial concerns employing thousands of people within great buildings, closed to all except those who work therein and open to them only in the one department in which they work, the children of our time have lost what was a mighty moulding factor in the lives of their fathers. I never realized how much I owe to the fact that all my spare time, when at school, was spent in my father's workshops, until my own boys were growing up around me without any such opportunity.

The Industrial Museum.

The subdivision of labor, while it is a great economical factor in the cost of production, has a terribly dwarfing effect on the minds of the producers and the education of the young people should be directed towards giving them broad, comprehensive views of the scope of the industry in which their lives are to be spent. The school should not aim to produce skilled workers. The function of the school should be to teach the boy or girl all the past history of the industry he or she is to work in, to place at their disposal that vast heritage of experience that their fathers have accumulated for the use of the coming generation. This the schoolmaster can do, and do successfully, and when that is done the young people will come into our industries with higher aims than they do now and their hearts will be more in the work, for they will then be able to understand the part they perform in the completed product. Here I think it right and proper for me to say, the one thing I never lose the opportunity of saying when my subject leads to it, that, in connection with the industrial education of the youth of our state, we ought to establish in this metropolis an industrial museum where all our natural products and the processes by which they may be converted into marketable articles

would be exhibited in their proper sequence and illustrate their historical development. To my mind the Industrial Museum in Edinburgh, representing the industries of Scotland, is the greatest educational institution in Europe today, instructing by observation those who have not the time to study in books, the history and processes of an industry. Here the raw material, for instance a specimen of iron ore, is shown going through all the manipulations that transform it into the many articles of value in which we find iron in the metal markets of the world, and with the new value that each process gives clearly set forth, so that the student can see the effect of labor in creating these values. A bunch of flax stalks is shown at one end of a table, with its value marked, and the student of textiles can follow it through all the manipulations of steeping, scutching, breaking, stripping, heckling, drawing, spreading, roving, spinning, bleaching, winding, weaving, calendering, etc., until he reaches the finest cambric. With the new values that labor has imparted shown at each stage. We need an institution like this to bring the wealth of the world's industrial experience within the grasp of the coming generation, for the sum of human experience has become too great to teach by any other method. The school time, for the great bulk of workers, cannot be lengthened though the sum of knowledge has increased, so the slower methods of teaching must give place to practical demonstrations that can be grasped in blocks as it were.

Schools Fail in Teaching Trades.

Now I think you are prepared to hear me say that I do not think that schools should attempt to teach a trade. We cannot dispense with the great rudimentary beginnings of knowledge that every child should receive, and with this a general knowledge of any industry that suits the scholar can and ought to be imparted. But to learn a trade, all commercial elements that surround that trade must be learned with ability to handle the tools of production. This kind of instruction, in my opinion, can be acquired in one way only, and that is by serving a regular apprenticeship in an industrial establishment where the product must meet competition in the market. Here the youth not only learns to use his hands to the best advantage but, what is of more lasting importance, the quality of endurance. His place, though at first it may be a very small one, must never be vacant. He is expected to be there when the whistle blows in the morning and remain there until it blows at night, otherwise the work would be disorganized. So the sense of responsibility and devotion to duty are acquired along with the ability to produce work in a commercial sense. These qualities can never be acquired at a vocational school. There, the ability to do a thing is all that is possible, but to do it commercially is not within the function of a school.

Some time ago a prominent professor in a technical school showed me with pride a piece of work done at school by a young man of nineteen. It was a bar of steel one and one-quarter inches square, about nine inches long, squared on each face and on the ends,

and having a key hole through one end and a taper pin hole through the other end. This was not a part of any specific machine, it was merely an exercise in the handling of tools. I asked the professor how quickly the young man had accomplished this piece of work? "This," said he, "was the exercise for the term of twelve weeks," and he pointed out how well the work was done. "But Professor," said I, "There is one very important matter that you forgot about in your satisfaction in the result of this young man's work, and that is the commercial element. This piece of work he has exercised on for three months is worth for labor just \$1.75 and would be produced in the shop by any young man of his age in about four hours."

Where Are the Workmen to Come From?

Now there is no particular harm in this sort of thing being done, simply as a school exercise, provided it is not considered as learning a trade, and provided the time thus occupied is not being deducted from the bread earning portion of the pupil's life. The boy or girl who is to live by working in any industrial trade should begin their bread earning work not older than sixteen. If they have learned anything of the trade before that time, it should be in the direction of general knowledge of the scope of that trade and its relation to the industries of the country. The narrower and more personal matter of being able to earn a living therein will be best acquired in working out the daily tasks of the workshop, and at twenty-one that young person should be able to hold his or her own in competition with other producers, and should be able to earn per day what a day's work is worth in that trade.

A Plan of Apprenticeship.

Some one may ask, what apprenticeship should be? The apprenticeship system is very simple. For the shop it should be the old time apprenticeship, changed and improved to meet present conditions. First is the training of the hand, eye and judgment in the shop by men who have no other duties. The course should be active and thorough, to render the boys accurate and intelligent workmen and good citizens, in not over four years' time. The master of the past must be replaced by a bright shop instructor, who will personally teach the progress of the trade he commands, and who will see to it that the boys in other departments are properly and consistently taught direct and correct methods, and they must be taught the value of time and material. Second, mental training coincident with the manual training. This means night schools, properly located, conducted by men who understand the shops, and who can show the boys how to educate themselves. These schools are to unfold the reasons for everything done in the shops and to lead the boys to look back at proceeding processes and ahead to the processes that are to follow, and thus enable them to understand the material processes and prices with which they are dealing, and to do their work without waste of energy, time or material. Few workmen think of the cost of the work they do. If they did they would effect great savings. This is an important part of the school work. Boys in a year may

know many things that their foreman required a decade to learn, and which some foremen have never learned.

This leads to the fourth question of our inquiry, "The difference between learning a trade and a technical education." It would be a grand thing if every workman could have a technical education, so that the qualities and chemical constituents, with a knowledge of all the manipulation through which the material goes, would be familiar to him. If he were able to understand the co-relations of the materials and forces that come into play in the trade at which he works, he would, no doubt, be more of a man than he generally is; but the attainment of such knowledge, owing to the necessity of daily bread, if it comes to him at all must come through his own efforts and at the sacrifice of his leisure hours. When he has obtained this knowledge he is no longer a working man in the sense we are now considering. That such knowledge can be obtained by workingmen is proven by the fact that so many have attained it in this way, and it is valued and cherished in proportion to what it cost. Technical education differs from industrial education in that the latter is the education of the hand to be dextrous in production, and the head in the necessary knowledge to guide the hand; while the former is the education of the mind to solve problems, to experiment with the qualities of material, to measure and direct forces, and to teach the hand and eye the cunning art to design.

Technical Training.

A technical education cannot be acquired in the workshop. Such an education means technical schools especially designed to meet the requirements of the scholar, in fact the scientific and engineering courses at our universities to a large extent meet the requirements of the technical student. In order to make it possible for the young man learning a trade in any of our workshops to acquire technical education, technical schools should be in session when he is not at work, so that he may have all the helps possible in his struggle to reach the goal, and these schools should be within easy reach of his living quarters so that he may not lose time by the way.

The British system of polytechnic schools scattered amongst the great industrial centers, each adapted to the requirements of the particular trades of the district, and where the instruction is largely by lectures and museums of industry, comes nearest to meeting the wants of the workmen, and they have been a great help to aspiring artisans. The development of technical education during the past twenty-five years has been one of the most marked features in the progress of general education. Vast numbers of young men are graduating yearly from our universities and scientific schools, some of these with a little knowledge of how to use tools, but the majority with a purely technical education. These men expect to obtain places in industrial establishments. Many of them have friends influential enough to secure openings, and in time many of them turn out to be bright and able men. Few of them care to go into the shops and learn to work, their ambition being to get

charge of departments or engage in designing. This class of men are a new element in the industrial fields of labor, the full effect of which is not yet felt. Its tendency, however, is to create classes in the ranks of industry.

The apprentice boy, whose parents require help as soon as he has attained the physical strength to give it, finds between him and the places that it is his ambition to reach, an army of university graduates, who could not do the work he is now doing, but who are well fitted with the kind of knowledge he lacks in order to fit him to the place he aspires to. The mathematical problems that he struggles so laboriously with in his leisure hours, and that come so slowly to his untrained brain, are but simple equations to the university man. He sees the places of trust and honor filled up before he is able to fit himself in such a way as will command recognition. He loses heart and hope, gives up the fight, and sinks back to his position at the bench, where he remains a discontented worker because a disappointed one.

Scientific Management.

Of course the great bulk of men in the industrial army must be private, no matter what kind of education may be given them. The tendency, however, at present is to officer this army, not from the best soldiers in the ranks, but to have a distinct class specially trained for officers, and this condition is more prominent in the United States than in any other country. The introduction of what is called "Scientific Management," which has obtained wide application in the manufacturing industry, especially the mechanical industries, whereby the amount of work to be done by the average man is computed and every movement he is to make in the doing of it is figured down to the fraction of a second by a special staff of expert figurers, such experts having a special technical education for the purpose, is, I think, one of the worst things that has happened to the real artisan in recent times. It cuts out all hope of his ever rising to any position of trust. Instead of his having a trade of which he is master, the trade has him and figures him merely as a part of the mechanism of production. The employers of Great Britain are almost to a man against it. It puts between the shop and office a line of men who have no thought in common with the workers in the shop, and whose business is to prevent any one from the shop breaking through the line. I do not believe that the speeding up of the producers, for which so much is claimed by the scientific management advocates, is worth the cost of maintaining the staff of computers necessary to its operation, except in rare cases where the product never changes. The claim of its great exponent, Mr. Taylor, that he must have workmen who will go by the card of instructions and never think, ought to condemn such a system.

It might be inferred from what I have said that I am opposed to university graduates coming into our industrial establishments and filling the best positions, but such is not the case. I am only pointing out the tendency to a dividing up of our industrial army into classes, where the chance to pass from the ranks into positions of command is thereby rendered very difficult if not impossible. The aspiring

youth who is barred by the necessity of providing himself with daily bread from obtaining that technical knowledge necessary to a complete mastery of his trade, should be given all the chance that his spare time will permit him to utilize, that he may at least have a fighting chance to win. It is pretty hard to work for bread and struggle for knowledge at the same time.

The Problem of the Boy.

I have endeavored to present to you my views on this great subject from my own point of observation. I have been all my life in close touch with its practical side, and greatly interested in watching every practical movement made to try and help working people to higher education. I have tried to avoid the darker aspect of this many sided problem, touching only on what might be termed the higher branches of industrial education. There are many branches of industry where children are put to work, because in them the child has a greater money earning value for the time, and bread is the one thing most to be desired in the home to which they belong. Boys of twelve in some industries can earn more than a boy of sixteen as an apprentice mechanic. What can the boy of twelve have acquired of any sort of education at school? Yet any scheme that proposes to provide for him any kind of education, industrial or technical, must not only teach him, but feed and cloth him as well. It appears to me that most of our efforts after legislation, intended to provide better industrial or technical education, are in the direction of helping the strong and well-to-do and never touches the poor and most needing help.

This is not the fault of those good men and women who have the desire to help those who need it most, but it is the inevitable result of the social condition that prevails amongst us. So long as poor working people are depended upon to maintain and increase the industrial army and they are willing to accept this duty—too often evaded by those who are better off—and so long as the poor parent must feed and cloth his child, that child will be utilized for bread earning, instead of being taught to solve the problems of life.

In this matter of education for the poor, it is a condition and not a theory that confronts us; and this condition, I think, will continue as long as our present social fabric stands. I am afraid that my effort to express in words what my thoughts are on the questions we have been considering, is anything but a success. I only hope that it may not be misunderstood and that there may be evolved in the future some workable plan that will help to make it easier for the child, whose parents are forced by present conditions to take part of the life of that child for the family support.

FINK & SCHINDLER SECURE BOOTH CONTRACT.

The Fink & Schindler Company has been awarded the contract for the display cases for the various exhibits of the Philippine Islands at the Panama-Pacific International Exposition.

ADVANCE NEWS

Classified according to Character of Work

APARTMENT HOUSES.

SEATTLE, WASH. — Apartment house, 5 story and base, steel and reinforced concrete, \$85,000. Architects, Bebb & Gould, Denny Bldg., Seattle. Owners, Fischer Building Co., Seattle. The building will be in the nature of an addition to the present four-story building and will cover an area of 60 by 108 feet. There will be a complete steel frame, reinforced concrete walls and floors. Interior will be arranged for a number of studios and two, three and four room living apartments. Interiors will be finished in pine and hardwood with some white enamel. Hardwood floors will be used in the principal rooms. There will be elevator service, a vacuum cleaning plant, steam heat and hot water supply. All bath rooms will be finished in tile. Walls beds are specified. Exterior of both the old portion and the new will be faced with white glazed terra cotta. Plans are complete and figures are now being taken.

BONDS.

BAKERSFIELD, KERN CO., CAL.—Forty thousand dollars of Bakersfield bonds, which were ordered sold to the N. W. Halsey Company of San Francisco last July, and which were later rejected by that firm upon the grounds of a technical error of the trustees in the calling of the bond election, have been placed by the Supervisors in the hands of the County Treasurer for disposal. It is reported that another purchaser has been found who will take the bonds at par.

SEATTLE, WASH.—The voters of this city will be called upon next year to pass on the question of issuing bonds in the sum of \$2,500,000 for new construction work.

This will include an issue of \$50,000 for new school buildings, \$1,890,000 for extensions to the water works system and light plant and \$400,000 for the construction of bridges.

The school work will include two additions to grade schools and the construction of a new building in West Seattle. The waterworks and light extensions will call for the construction of a new penstock, surge tank, power house, transmission line, pumping system for the Green Lake reservoir, pipe changes, supply mains, etc. The bridge bond issue is for a steel bascule bridge over the Lake Washington Canal at Latona avenue.

SAN FRANCISCO, CAL.—The State Railroad Commission has granted authority to the Napa City Water Company to issue \$14,500 bonds at 90. These bonds are part of an issue of \$30,000, which the company was authorized to sell at par.

PORTLAND, WASH. — One million dollars of 5 per cent road bonds of Kings County, Washington, have been sold to the Lumbermen's Trust Company of Portland, associated with the

National City Bank and Redmond & Company of New York City. The Portland institution's bid was a premium of \$31,990, which made the price at which the bonds sold \$103,199.

WINTERS, YOLO CO., CAL.—By a vote of 376 to 43, the \$50,000 bond issue for the construction of a new high school building in the Winters Union High School District carried. The district, which also incorporates a small section of Solano County on the south side of Putah Creek, gave a vote of 49 to 30 in favor of the bonds. But thirteen electors on the Yolo County side of the creek entered a dissenting vote.

JACKSON, SCHOOL DISTRICT, STANISLAUS CO., CAL.—Sealed bids will be received by the Board of Supervisors at Modesto on January 12th at 10 p. m. for the purchase of bonds in the sum of \$8,000.

When sold the proceeds of the sale will be used in the construction of a school building.

SAN GABRIEL, LOS ANGELES CO., CAL.—Secretary Cuneo of the School Board states that the sale of school bonds has been approved by attorneys for purchasing. The bonds were voted in San Gabriel recently. Proceeds of the sale will be used in the repairing of several school buildings.

LOS ANGELES, CAL.—The Board of Supervisors of Los Angeles opened bids for the purchase of \$65,000 in bonds on January 2nd. The bonds were sold for raising funds for the erection of a new school building for the Puente High School District.

CALEXICO, IMPERIAL CO., CAL.—County Treasurer J. Stanley Browne is waiting the arrival of \$65,000 in cash from Wilson, Craemer & Co. of Denver, who purchased the high school bonds. Plans for the building have already been prepared and approved.

PACOMA SCHOOL DISTRICT, LOS ANGELES CO., CAL.—The Board of Supervisors has opened proposals for the purchase of bonds in the sum of \$15,000 for the erection of a high school building for the Pacoma School District.

POCATELLO, IDAHO.—The School Board of Pocatello has called a meeting at which time they will consider the calling of a bond election for the erection of school buildings and purchasing the necessary equipment. It is thought that an election to vote in the neighborhood of \$200,000 will be called in the latter part of January.

EL CENTRO, IMPERIAL CO., CAL.—An election will be held on January 11th at the Commercial Street School to vote on the question of issuing bonds in the sum of \$45,000. The proceeds of the sale, should it carry, will be used in the construction of a new school building and purchasing the necessary equipment. Jasper L. Travers, Chas. Berkman and E. A. Perkiss are the School Trustees.

ORANGE COVE SCHOOL DISTRICT, FRESNO CO., CAL.—An election has been called by the Board of Trustees

of the Orange Cove School District for the purpose of submitting to the electors of the district the question of issuing bonds in the sum of \$9,000. When sold, the funds will be used in the construction of a new school building. B. L. Bailey, H. E. Wright and Chas. P. Young are members of the School Board.

FULLERTON, ORANGE CO., CAL.—February 10th is the date set for the holding of an election to vote bonds in the sum of \$36,000. The bonds are being voted for the purpose of raising funds with which to improve the Brea road to the north of the city limits.

EL CENTRO, IMPERIAL CO., CAL.—The Board of Trustees of the Central Union High School District has decided to call a special election to vote bonds in the sum of \$125,000 for the erection of new high school buildings at the present high school at El Centro.

CARUTHERS SCHOOL DISTRICT, FRESNO CO., CAL.—Bonds in the sum of \$32,000 for the erection of a new high school building at Caruthers were voted at an election held recently. Upon the sale of the bonds plans for the new building will be ordered prepared.

MODESTO, STANISLAUS CO., CAL.—For the purpose of providing for the financing of the construction work of the Sonora Highway lateral through this county, commencing at Buena Vista about two miles above Knights Ferry at the extreme eastern boundary line of Stanislaus County, to a point near Salida connecting with the State Highway, a distance of 27 miles, the Board of Supervisors of this county at a special meeting adopted a resolution whereby it was agreed that this county should purchase \$216,000 worth of State Highway bonds within a year's time. These bonds will be purchased at par and resold to bond buyers at from 91 to 92 cents on the dollar, the extra expense of approximately \$17,000 being paid by the county.

BARNES SCHOOL DISTRICT, KERN CO., CAL.—To sink a well upon the grounds and to provide new furniture for the buildings, a bond issue of \$1,500 is being urged in the Barnes school district. An election will be held sometime after the middle of next month. The trustees, it is understood, decided to hold the election January 15, but the time for legal publication of the notice is insufficient, according to County Superintendent of Schools R. L. Stockton.

CAMULOS SCHOOL DISTRICT, VENTURA CO., CAL.—An election has been called and will be held in the Camulos School District on January 21st for the purpose of voting bonds in the sum of \$15,000.

Should the issue carry, the proceeds of the sale of the bonds will be used in the construction of a new school building for the district. L. M. Sullivan, George Maltby and B. F. Bom-

gardner are members of the Board of Trustees.

HAWTHORNE SCHOOL DISTRICT, LOS ANGELES CO., CAL.—Bonds in the sum of \$45,000 which were voted for the erection of a new school building at Hawthorne, have been sold by the Board of Supervisors and the preparation of working drawings will be started at once. W. C. Pennell, Baker-Detwiler building, Los Angeles, has been selected as the architect and has prepared preliminary plans.

MODESTO, STANISLAUS CO., CAL.—The Modesto Irrigation District has sold the \$585,000 worth of bonds remaining unsold from the recent bond issue of \$610,000 at 90.6 cents on the dollar. The amount realized by the district is \$530,010. Work on extensions and improvements to the irrigation system will be commenced as soon as possible.

WHITTIER, LOS ANGELES CO., CAL.—The \$50,000 bond issue for the erection of a new grammar school has been sold. The site for the building will be selected and plans prepared at once. Tuttle & Angel, 619 Delta building, Los Angeles, are the architects.

BRIDGES AND DAMS.

RICHMOND, CONTRA COSTA CO., CAL.—Municipal wharf, reinforced concrete, \$257,710. Engineer, Haviland & Tibbetts, Alaska Commercial Bldg., S. F. Owners, City of Richmond. Five sets of figures were received by the City Council for constructing the large reinforced concrete wharf to be known as Municipal Wharf No. 11. Healy-Tibbetts Construction Co. of San Francisco submitted the lowest figure at \$257,710. Bids were taken under advisement by the Council. A complete list of the figures received will be found under the heading of Marin, Contra Costa and Sonoma Counties in this issue.

SANTA BARBARA, SANTA BARBARA CO., CAL.—Bridges and culverts, reinforced concrete. Cost not stated. Engineers, Haviland & Tibbetts, Alaska Commercial Bldg., S. F. Owners, Santa Barbara County. Plans are being prepared for a number of small reinforced concrete highway bridges and several concrete culverts which will be erected by Santa Barbara County along its county highway system. Only preliminary studies have been made and further mention will be made of the work. The same firm of engineers has been appointed consulting engineers by Santa Barbara County Supervisors to co-operate with County Surveyor Frank Flournoy of Santa Barbara in the design of a large reinforced concrete and steel highway bridge to be erected on the State Highway in Santa Barbara County. Several smaller concrete structures will also be erected by the county along the line of the State Highway.

REDWOOD CITY, SAN MATEO CO., CAL.—Trestle, timber construction. Cost not stated. Engineer, County Surveyor Neuman, Redwood City. Owners, San Mateo County. Plans have been prepared and received the official approval for a timber trestle which will be erected near Edgemar. Bids for this work are now being taken. Plans and specifications can be secured from the County Surveyor at Redwood City.

FRESNO, FRESNO CO., CAL.—Bridge, reinforced concrete, \$4,000. Engineer, City Engineer, Fresno. Owners, City of Fresno. Bids for the proposed concrete bridge over Dry Creek at Van Ness avenue were opened by the City Council. Figures were submitted on the alternate plan. The bid of Thompson Bros. was the lowest on the plan of R. L. Felchlian, being \$3,460, while the bid of G. R. Shannon, \$3,882, was the lowest on the plan of the City Engineer. Both bids were referred to the street committee, who will make a report immediately.

RICHMOND, CONTRA COSTA CO., CAL.—Municipal wharf, reinforced concrete construction, \$257,710. Engineers, Haviland & Tibbetts, Alaska Commercial Bldg., S. F. Owners, City of Richmond. Mayor E. J. Garrard of the City of Richmond has recommended that action in the matter of an award of contract for the big reinforced concrete Municipal Wharf on which Healy-Tibbetts Co. were low be postponed until a more complete investigation of this type of construction can be made. The mayor takes the stand that an expenditure of \$257,710 for a structure which would more than fill the city's requirements for a long time is unnecessary, and he suggests the advisability of changing the type of construction from reinforced concrete to creosoted pile and timber be considered. Such a change, it is stated, would result in a very material decrease in the cost of construction. Definite action will be taken at Monday night's meeting of the City Council.

GLENDALE, LOS ANGELES CO., CAL.—Bridge and protection work, steel and concrete, \$30,000. Engineer, City Engineer, Glendale. Owners, City of Glendale. Mesmer & Rice, Marsh-Strong Bldg., L. A., were the lowest bidders at \$28,200 for the construction of a steel girder bridge and protection work over Verdugo Wash on Canada boulevard. The bridge will be seventy-two feet in length and will have concrete floor and abutments. The work will also include the protection of 4,400 lineal feet of channel by driving piles. The other bids received for the work were as follows: W. B. Kyle, New Call Bldg., S. F., \$29,230; Mercereau Bridge and Construction Co., \$21,500 for the bridge and \$8,420 for the protection work; and Security Construction Co., 38th and Alameda, L. A., \$27,230 for the bridge and \$13,650 for the protection work. The bids were referred to the City Engineer.

SAN FRANCISCO—Wharf repairs, \$1,515. Engineer, Constructing Quartermaster, Fort Mason. Contractors, Thomson Bridge Co., S. F. Contract price, \$1,515.

FACTORIES AND WAREHOUSES.

OAKLAND, CAL.—Factory, 4 story and base, Class A construction, \$125,000. Architect, Lewis P. Hobart. Crocker Bldg., S. F. Owners Shredded Wheat Biscuit Co. Architect Lewis P. Hobart has been notified of the final approval of his plans for the four-story and basement brick and steel building to be erected by the Shredded Wheat Biscuit Co. on their Oakland property. This building will be the first unit of a large plant and has been estimated to cost \$125,000. Fig-

ures will be taken on this work starting January 2nd.

FRESNO, FRESNO CO., CAL.—Factory, 1 story, reinforced concrete, \$15,000. Architect, none. Owners, H. H. Backer and John Grummett, Fresno. Messrs. Backer & Grummett, who have been manufacturing in a small way concrete products, have informed the Chamber of Commerce of Fresno that they will erect a concrete factory building at the corner of California and East avenues. The plant will cost approximately \$15,000. Machinery has been ordered and will be on the ground within the next few days. The principal product of the new plant will be concrete sewer pipe.

RENTON, WASH.—Motion picture studio, concrete and frame construction, \$350,000. Architect, W. H. Milner, Arcade Bldg., Seattle. Owners, Puget Sound Film Co. Plans have been completed for the construction of the first unit of studios for the Puget Sound Film Developing Co. at Renton. The first unit will consist of the main studio and shops. These will be of steel, concrete and glass and fireproof construction. The huge glass studios will be 70 by 120 feet, adjoining which will be the carpenter shop, humidors for storage of films and the chemists' shops. The building operations will probably extend over a period of three years before the entire projects are completed, and will represent probably from \$350,000 to \$500,000 in building work alone. S. C. Coombs, Arcade Bldg., Seattle, has the contract.

FIREHOUSES AND JAILS

REDWOOD CITY, SAN MATEO CO., CAL.—Jail, 1 story and base, reinforced concrete. Cost not stated. Architect not selected. Owners, San Mateo County. The Supervisors have recently secured a site adjoining the present court house on which a new and modern County Jail building will be erected. The property is 100 by 160 feet. Further mention will be made of the work when an architect is selected.

Contracts Awarded.

MADERA, MADERA CO., CAL.—Fire house alteration, frame construction. Cost not stated. Architect, none. Owners, City of Madera. Contractor, Edward Lane, Madera. Contract price not stated.

FLATS.

SAN FRANCISCO—Flats, 2 story and base, frame, \$4,000. Architect, none. Owner, W. S. Gilbert, 3987 18th street, S. F. The building will be erected on the south side of Turk street west of Baker, and has been designed to contain two modern flats of five and six rooms. A garage will occupy the basement. Interiors will be finished in pine and redwood. Hardwood floors will be used in the living rooms, dining rooms and reception halls. There will be open fire places and tile or brick mantels. Bath rooms will have tile wainscot. Automatic water heaters will be installed. Exterior of the building will be covered with cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor.

SAN FRANCISCO—Flats, 2 story and base, frame, \$4,000. Architect, none. Owner, O. E. Anderson, 215 10th

avenue, S. F. The building will be erected on the west side of 10th avenue south of California street, covering an area of 25 by 42 feet. The building will contain two modern flats of five and six rooms with a private garage in the basement. Interiors will be finished in pine, redwood and elm. Hardwood floors will be used in the principal rooms. There will be open fire places and tile mantels. Tile wainscot will be used in the bath rooms. Automatic water heaters will be installed. Exterior of the building will be covered with rustic and cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor. Materials are now being purchased.

SAN FRANCISCO—Flats, 2 story and base, frame, \$5,000. Architect, none. Owner, J. F. Wyman, 1959 Hayes street, S. F. The building will be erected on the west side of 10th avenue north of Clement covering an area of 25 by 63 feet and has been designed to contain two modern flats of six rooms each. Interior finish will be of pine and redwood. Hardwood floors will be used in the dining and living rooms and reception halls. Each living room will have a large open fire place. Mantels will be of tile or brick. Tile wainscot will be used in the bath rooms. Automatic water heaters will be installed. Exterior of the building will be covered with rustic and cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor. Materials are now being purchased.

GOVERNMENT WORK & SUPPLIES.

Bids and Revenue Stamps.

In view of the fact that many firms are submitting bids to various government offices without the necessary revenue stamps attached to the guarantee bond, etc., we publish below the ruling of the Treasury Department in reference to this matter. Failure to attach stamps in the proper denomination invalidates the bid:

Treasury Department,
Office of the Secretary,
Washington, Dec. 9, 1914.

1914.

Department Circular No. 38.

Section of Surety Bonds.

To bond-approving officers of the government and others concerned:

Your attention is invited to the provisions of the act of Congress approved October 22, 1914, entitled "An act to increase the internal revenue, and for other purposes," and particularly to the paragraphs thereof providing for a stamp tax of one-half of 1 per cent on each dollar or fractional part thereof on each amount of premium charged on bonds or obligations known as fidelity and surety bonds, where such obligations are executed by any person, association, company, or corporation transacting the business of fidelity and surety insurance, and providing also for a stamp tax of 50 cents on each obligation executed by any person, corporation, or other entity, as surety, not engaged in the transaction of a fidelity and surety insurance business. Attention is also invited to Treasury division 2062 of November 20, 1914, interpreting the above provisions.

To enable the bond-approving of-

ficers of the government to verify, and the Treasury Department to certify to, the correctness of the amount of stamps thus affixed to each obligation, all blank forms of bond, when prepared for execution, shall provide proper blank spaces wherein the parties executing the obligation shall state the rate and amount of premium paid thereon. In all cases the value of the stamps affixed must bear the proper ratio to the amount of premium paid. When provision for such information is not made by the printed blank a rubber stamp or other convenient method may be used. The following form should be used:

The rate of premium on this bond is \$— per thousand; the total amount of premium charged is —.

Every such bond or obligation which is not an original instrument, and therefore not taxable, shall be plainly stamped "Duplicate" on the face thereof.

The officials of this department accepting and approving bonds with individual or corporate sureties are charged with the responsibility of determining whether the proper amount of stamps is affixed to all government bonds before accepting and approving the same.

San Francisco, Cal., Pump, Etc.

The contract for installing a motor-driven triplex pump, fuel oil regulator, etc., in the U. S. Mint at San Francisco, Cal., has been awarded to S. T. Johnson Co., San Francisco, Cal., at \$2,292.60; time 120 days.

Casper, Wyo., Post Office.

As previously reported, the contract for the construction, complete, including lighting fixtures, of the U. S. post office at Casper, Wyo., was awarded to C. R. Inman, Casper, Wyo., at \$49,785. Fixtures and material manufactured by the following named firms have been approved for use in the construction of the building: Plumbing fixtures, L. Wolf Bfg. Co.; cast iron column radiators and wall radiators, American Radiator Co.; nonconducting coverings, H. W. Johns-Mancille Co.; radiator valves, Crane Co.; damper regulator, American Radiator Co.; air valves for end of steam mains, Jenkins Bros.; cabinet and tablet, Frank Adam Electric Co.; conduit, Enameled Metals Co.; rubber-covered wire, New York Insulated Wire Co.; lighting fixtures, Reading Chandelier Works; reflectors and glassware, Macbeth-Evans Co.; air valves for radiators, American Radiator Co.; flush switches, Perkins; pendant switches, Bryant; canopy switches, Cutler-Hammer Mfg. Co.; keyless sockets, Weber.

Indian Affairs, Highway Bridge.

The following bids were received by the commissioner of Indian Affairs, Washington, D. C., for constructing a steel highway bridge across the Moencop Wash, near Tuba, Ariz.:

Item 1, superstructure erected and painted; 2, plain concrete abutments; 3, reinforced concrete abutments; 4, for substituting lighter steel joists; 5, add or deduct for plain concrete; 6, add or deduct for reinforced concrete.

The Omaha Structural Steel Works Co., Omaha, Neb., item 1, \$3,160; 2, \$5,600; 3, \$4,735; 4, \$189; 5, add \$25 per cu yd, deduct \$15; 6, add \$30, deduct \$20; 100 days.

Milwaukee Bridge Co., Milwaukee, Wis., item 1, \$3,184; 2, \$10,160; 3, \$6,666; 4, \$101; 5, \$24; 6, \$26; 15 days.

Des Moines Bridge and Iron Works, Des Moines, Iowa, item 1, \$2,775; 2, \$4,713; 3, \$3,163; 5, \$20.25; 6, \$22.25; 120 days.

Missouri Valley Bridge and Iron Co., Leavenworth, Kans., item 1, \$3,040; 2, \$5,148; 3, \$4,250; 4, \$2,916; 5, \$14; 6, \$35; 120 days.

The Clinton Bridge Works, Clinton, Iowa, item 1, \$2,940; 2, \$100; 175 days.

El Paso Bridge and Iron Works, El Paso, Tex., item 1, \$2,769; 2, \$5,517; 3, \$4,159; 4, \$115; 5, \$14.50; 6, \$24.50; 120 days.

The Midland Bridge Co., Kansas City, Mo., item 1, \$3,530; 2 and 3, \$2,856; 6, \$10; 150 days.

Pueblo Bridge Co., Pueblo Colo., item 1, \$2,980; 2, \$3,516; 3, \$3,061; 4, \$140; 5, \$13; 6, \$25; 125 days.

The Joliet Bridge and Iron Co., Joliet, Ill., item 1, \$2,680; 2, \$5,258; 3, \$4,800; 4, 3.75c per lb; 5, \$15; 6, \$20; 120 days.

Hoists and Rollers.

The Secretary of the Interior has authorized the Reclamation Service to award contract to the Minneapolis Steel and Machinery Co., of Minneapolis, Minn., for furnishing six hoists for the six 70-foot rollers for the diversion dam on the Grand Valley irrigation project, Colo. The contract price is \$825 per hoist.

Canal Requisitions.

The purchasing officer of the Panama Canal will call for bids for furnishing the following supplies and material:

8 pieces long leaf yellow pine, 10 in by 11½ in by 74 ft long.
4 pieces long leaf yellow pine, 6½ in by 13¼ in by 33 ft 11 ins long.
2,300 cable clips.
3,000 sledge hammer handles.
1,140 galvanized wrought steel hasps and staples.
720 galvanized wrought steel strap hinges.
13,000 ft rubber water hose with couplings.
36 sets steel stamping letters.
2,000 lbs tarred marine.
180 boxwood folding rules.
600 zigzag rules.
70 metallic tapes.
50 steel tapes.
500 ft brass tubing, ¾-in.

For Balboa radio station:

1 switchboard, 2,300 volt, complete, as per drawings.

1 transformer, 30 K. D. A., 3 phase, 4 wire subway or manhole type, 2,300 volt.

Material for valves and accessories for dry dock No. 1 at Balboa. The material is to be embedded in or supported by the concrete structure of dry dock No. 1 at the Balboa terminal. It will consist of 4 flooding valves arranged in pairs, each pair to be provided with screens and guard valves; provision for screens and guard valves for a twin discharge culvert; cylinders for actuating 4 sluice valves and accessories.

Arizona Canal.

The Secretary of the Interior has authorized the Reclamation Service to execute contract with Martin & Gillis, of Phoenix, Ariz., for erecting structures on the Arizona Canal, Salt River

irrigation project. The total contract price is \$6,918.15.

Santa Barbara, Cal., Lamp Brackets, Etc.

The following bids were received by the supervising architect, Treasury department, Washington, D. C., for furnishing and installing two lamp brackets and lamps, complete, in the U. S. post office at Santa Barbara, Cal.:

John Polachek Bronze and Iron Co., Long Island City, N. Y., \$295; 4 weeks.

F. B. Conover, New York City, \$453; 60 days.

John Williams, Inc., New York City, \$525; 10 weeks.

Brigham City, Utah, Post Office.

In the construction of the U. S. post office at Brigham City, Utah, for which George A. Whitmeyer & Sons, Ogden, Utah, have the contract, nonconducting pipe coverings manufactured by the Ehret-Magnesia Mfg. Co. will be used.

Robinson Point, Engine and Compressor Unit.

The following bids were received by the light-house inspector, 17th district, Portland, Ore., for furnishing a combined engine and compressor unit with silent chain transmission for Robinson Point light-station, Wash.:

A. H. McCay, Baltimore, Mr., \$1,594.
De La Vargne Machine Co., New York City, \$3,783.

Fairbanks, Morse Co., Portland, Ore., \$1,933.00; alternate, \$2,074.50, for substituting herringbone gear for silent transmission.

Zimmerman-Wells-Brown Co., Portland, Ore., \$1,997.

Remington Oil Engine Co., Stamford, Conn., \$2,485.20.

Northwestern Iron Works, Seattle, Wash., \$1,800; accepted.

Butte, Mont., Repairs, Etc.

The following bids were received by the custodian, U. S. post office, Butte, Mont., recently for repairs, etc., at the U. S. post office at Butte, Mont.:

Thomas N. Bailey, Butte, Mont., \$1,600; January 20.

Nelson & Pederson, Butte, Mont., \$1,500; 45 days.

J. L. Gribble, Butte, Mont., \$1,290; December 24.

Shackleton & Sypher, Butte, Mont., \$1,253; January 1.

W. D. C. Connell, Butte, Mont., \$1,225; January 1.

SAN FRANCISCO—Store house, 1 story, reinforced concrete, \$2,577. Engineer, Constructing Quartermaster's Office, Fort Mason. Owners, United States Government. Bids opened for the construction of a one-story reinforced concrete store house to be erected at Fort Winfield Scott for the State Militia show Robert Trost low at \$2,577. He will probably be awarded the contract. A complete list of the bids received will be found under the heading of San Francisco in this issue.

HOTELS.

SAN FRANCISCO Hotel, 6 story and base, brick and steel, \$85,000. Architect, A. A. Cantin, Foxcroft Bldg., S. F. Owner, A. W. Maltby. The building will be erected on the south side of Ellis street east of Mason, covering a considerable ground area. There will be in the neighborhood of 100 guest rooms, nearly all of which

will have private baths. Interior will be finished in pine and hardwood. Tile floor and wainscot will be used in the bath rooms. Plans provide for steam heat, elevator service, a hot water supply and vacuum cleaning. Tile floor will be used in the main office and lobby. Exterior of the building will be faced with pressed brick trimmed with terra cotta. Plans are complete and figures will be taken at once.

SAN FRANCISCO—Hotel alterations, 2 story, frame. Cost not stated. Architect, John J. Foley, 46 Kearny street, S. F. Owner, S. A. White. The present two-story frame building located on Eddy street near Laguna is undergoing repairs. Included in the work will be new plastering, painting, plumbing, interior finish and electric work. Plans are complete and the work will be done by Day Labor. The alterations will add about twelve rooms to the hotel.

FAIRFIELD, SOLANO CO., CAL.—Hotel and stores, 4 story and base, reinforced concrete, \$75,000. Architect, Henry C. Smith, Humboldt Bank Bldg., S. F. Owners, Fairfield Hotel Co. The building will be erected on a corner lot and will cover a large ground area. Besides the main office and hotel lobby there will be six stores on the first floor. Upper floors will contain a large number of guest rooms and baths. Interior will be finished in pine throughout. Tile floor and wainscot will be used in the baths. There will be steam heat, elevator service and a hot water supply. Marble and tile will be used in the stores and lobby. Exterior of the building will be faced with cement plaster. Plans are being prepared.

OLYMPIA, WASH.—Hotel, 7 story and base, reinforced concrete, \$100,000. Architect, V. W. Voorhees, Eitel Bldg., Seattle. Owners, Olympia Hotel Co. The building will be erected at the corner of Sixth and Franklin streets, covering an area of 120 by 120 feet. Ground floor will be arranged for a large office, lobby, main dining room and a number of private dining rooms. Upper floors will contain 140 guest rooms with seventy baths. Interior finish will be of pine, redwood and hardwood. Bath rooms will have tile floors and wainscot. Plans provide for two electric elevators, steam heat, a hot water supply and vacuum cleaning. A tile floor will be used in the lobby. Exterior of the building will be faced with pressed brick and terra cotta. Plans are nearly complete and figures will be called for early in February.

LOS ANGELES, CAL.—Hotel, 4 story and base, brick and steel, \$25,000. Architect, none. Owner, Lawrence Holmes, Majestic Apts., L. A. The building will be erected in the rear of a two-story hotel structure now occupying the site at the southwest corner of 3rd and Hope streets. The new portion has been designed to contain a total of 54 rooms, each with private bath and wall bed. Interior finish will be of pine and hardwood. Bath rooms will be finished in tile and will have composition floors. Plans provide for steam heat, elevator service and a hot water supply. Exterior of the building will be faced with pressed brick trimmed with terra cotta. Plans are complete and figures are now being taken.

HOSPITALS.

SAN FRANCISCO—Operating ward, 2 story, reinforced concrete. Cost not stated. Engineer, Constructing Quartermaster, Fort Mason. Owners, United States Government. This building will be erected at the Letterman General Hospital at the Presidio of San Francisco. The building will cover an area of 28 by 80 feet. Interior will be finished in pine, tile and white enamel. A large amount of special operating and hospital plumbing is specified. Steam heat will be furnished from the central plant at the hospital. Exterior will be faced with cement plaster. A clay tile roof will be used. Plans are complete and figures are being taken. Bids will be opened on January 18th. Plans and specifications can be secured from the office of the Constructing Quartermaster at Fort Mason. An official proposal appears in another column of this issue.

SAN FRANCISCO—Nurses' dormitory, 2 story, reinforced concrete. Cost not stated. Engineer, Constructing Quartermaster, Fort Mason. Owners, United States Government. The building will be erected at the Letterman General Hospital in the Presidio of San Francisco, and will be known as Female Nurses' Dormitory No. 2. The building will cover an area of 32 by 80 feet and will contain twenty-four rooms and twelve baths. Interior finish will be largely of birch. There will be steam heat supplied from the central plant. Hardwood floors are specified. Bath rooms will be finished in tile. Exterior of the building will be faced with cement plaster. A clay tile roof will be used. Plans are complete and figures are being taken. Bids will be opened on January 18th. Plans and specifications can be secured from the office of the Constructing Quartermaster at Fort Mason. An official proposal appears in another column of this issue.

VANCOUVER, B. C.—Hospital additions, 3 story and base, reinforced concrete, \$75,000. Architect, Arthur A. Cox, Carter-Cotton Bldg., Vancouver. Owners, City of Vancouver. These additions will consist of an operating ward and a maternity ward and will be erected adjoining the present building at 12th and Willow streets. Construction will be fireproof. Interior specified. Exterior will be faced with cement plaster. Plans are complete and figures will be called for at once.

PANAMA-PACIFIC EXPOSITION WORK.

Contracts Awarded.

SAN FRANCISCO—State display booths, frame construction, \$15,800. Architect's name not given. Owners, State of Nevada. C. G. Sellman of Reno has been awarded the contract for the erection of the booths for the Nevada exhibit at the Panama-Pacific Exposition on his bid of \$15,800, which will be cut down \$1,150, as a decision was reached not to include a state exhibit in the Palace of Education. There were five bidders on the work.

SAN FRANCISCO—Display booth, frame construction. Cost not stated. Architect's name not given. Owners,

Columbus Dental Manufacturing Co., Columbus, Ohio. Contractors, Fink & Schindler Co., S. F. Contract price not stated.

SAN FRANCISCO — Display booth, frame construction. Cost not stated. Architect, George Schastey, Monadnock Bldg., S. F. Owners, Berkeley Electric Cooker Co., Berkeley. Contractors, Fink & Schindler Co., S. F. Contract price not stated. Note. The booth will be erected in the Manufactures Palace.

RAILROAD CONSTRUCTION AND EQUIPMENT.

SAN BERNARDINO, SAN BERNARDINO CO., CAL.—Railroad construction, \$400,000. Engineer's name not given. Owners, California Southern Railroad Co. Backed by Los Angeles capital, work will be started about February 1st on a railroad to connect Blythe in the Palo Verde Valley with Blythe Junction on the Santa Fe, a distance of forty miles. The estimated cost of the road is placed at \$400,000, and equipped at \$1,000,000. Trained railroad men, including J. M. Neeland, organizer and builder of the Pan-American Railroad, and C. H. Beggs, formerly vice-president and general manager of the Frisco system, are backing the enterprise. John R. Grant, a Canadian capitalist, now resident of this city, is also interested. Incorporation papers have already been taken out under the name of the California Southern Railroad Company, with \$400,000 capital stock, of which \$44,000 is paid up.

VISALIA, TULARE CO., CAL.—Railroad station, 1 and 2 story frame and concrete, \$25,000. Architect, Engineering Department, Southern Pacific Co., Flood Bldg., S. F. Owners, Southern Pacific Co. The State Railroad Commission has instructed the Southern Pacific Co. to prepare plans for a new passenger and freight depot to be erected in Visalia, and has fixed the amount to be spent in construction at \$25,000. These buildings will probably be designed in the Mission style. Further mention will be made of this work when plans are out for figures.

RESIDENCES.

SAN FRANCISCO—Residences, 3, 2 story and base, frame, \$4,500 to \$8,000. Architect, Charles J. Rousseau, 46 Kearny street, S. F. Owners, The Allen Co. These houses will be erected on property in Windsor Terrace and will contain from six to nine rooms complete with all modern conveniences. A large and spacious living room, dining room and reception hall besides the kitchen, butler's pantry and servants' quarters will occupy the first floor. Opening off the dining room will be an open terrace with flower box enclosures and commanding a fine view of the beautiful canyon. The second floor will contain bed rooms, two of which will have connecting baths and open sleeping porches. A large billiard hall, wine cellar, furnace room and storage rooms will be provided for in the basement. Each house will have a private garage in the rear which will be reached by a winding driveway passing under a porte-cochere. The entire first floor will be finished in Jenisero with hardwood

floors. Upper floor will be finished in redwood and white enamel. Furnace heat, open fire places and automatic water heaters are included in the specifications. Mantels will be of tile and brick. Bath rooms will be finished in tile. Exteriors have been designed in the English Manor style, the Tudor English and Old English and will be covered with cement plaster on metal lath. Plans are complete and segregated figures are being taken.

SAN FRANCISCO—Residences, 2, 1½ story and base, frame, \$2,500 each. Architect, none. Owner, N. J. Nelson, 4278 23rd street, S. F. These houses will be erected on property at the southeast corner of Eureka and 22nd streets, and each has been designed to contain six rooms and bath. Interiors will be finished in pine and redwood. Hardwood floors will be used in the living and dining rooms. There will be large open fire places and tile or brick mantels. Bath rooms will have tile wainscot. Exteriors will be covered with rustic and cement plaster on metal lath. Plans are complete and the work will be done by Day Labor. Materials are now being purchased.

SAN FRANCISCO—Residence, 2 story and base, frame, \$3,500. Architect, none. Owner, M. C. Rench, 1427 5th avenue, S. F. The dwelling will be erected on the east side of 11th avenue south of Balboa street, and has been designed to contain seven rooms and bath. A separate garage will be erected. Interior of the house will be finished in pine, redwood and some hardwood veneer. Hardwood floors will be used in the living and dining rooms. There will be furnace heat and open fire places. Mantels will be of tile. Tile wainscot will be used in the bath room and kitchen. Exterior of the dwelling will be covered with cement plaster on metal lath. An automatic water heater will be installed. Plans are complete and in the hands of the owner who will do the work by Day Labor. Materials are now being purchased.

SAN FRANCISCO—Residence, 1 story and base, frame, \$1,500. Architect, none. Owner, T. Copnik, 36 Lakeview, S. F. The dwelling will be erected at the northwest corner of Caine and Lakeview streets, and has been designed for a five room house with bath. Interior will be finished in pine and redwood. Oak floors will be used in the living and dining rooms. There will be open fire places with tile or brick mantel. Bath room will be finished in tile. Exterior of the house will be covered with rustic and ship-lap. Plans are complete and in the hands of the owner who will do the work by Day Labor. Materials are now being purchased.

SAN FRANCISCO—Residences, 2, 2 story and base, frame, \$3,000 each. Architect, none. Owner, E. Ginley, 131 5th avenue, S. F. These two dwellings have been designed for six-room houses with bath and will be erected on the west side of 15th avenue north of Balboa street. Interiors will be finished in pine, redwood and blue gum. Hardwood floors will be used in the living and dining rooms and reception halls. There will be open fire places and tile and brick mantels. Bath rooms will be finished in tile. Automatic water heaters will be installed. Exteriors will be covered with rustic

and cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor. Materials are now being purchased.

SAN FRANCISCO—Residence, 2 story and base, frame, \$6,500. Architects, Falch & Knoll, Hearst Bldg., S. F. Owner, Martin Raggett. The dwelling will be erected in Forest Hill and has been designed for an eight-room house with two baths and sleeping porch. A separate garage will be erected. Interior of the first floor will be finished in blue gum while the upper floor will be finished in pine, redwood and white enamel. Hardwood floors will be used in the living and dining rooms, library and reception hall. There will be furnace heat and open fire places. Mantels will be of tile. Bath rooms will be finished in tile. Automatic water heater will be installed. Exterior of the house will be covered with cement plaster on metal lath. Terraced gardens will be included in the work. Plans are complete and figures are being taken.

BERKELEY, ALAMEDA CO., CAL.—Residence, 2 story and base, frame, \$4,000. Architects, Elite Planners, 1844 5th avenue, Oakland. Owner, Frank E. Hayward. The dwelling will be erected in the Thousand Oaks Tract, and has been designed for a seven-room house with bath and sleeping porch. Interior will be finished in pine, redwood, hardwood and white enamel. Hardwood floors will be used in the living room, dining room and reception hall. There will be furnace heat and open fire places. Mantels will be of tile or brick. Bath room will have tile floor and wainscot. An automatic water heater will be installed. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are complete and figures are now being taken.

PIEDMONT, ALAMEDA CO., CAL.—Residence, 2 story and base, frame, \$18,000. Architect, Sidney B. Newsom, Nevada Bank Bldg., S. F. Owner, H. W. Harrold. The dwelling will be erected on Ashmont avenue and has been designed for a twelve-room dwelling with several baths and sleeping porch. A garage will also be erected on the property. Interior of the dwelling will be finished in pine, hardwoods and white enamel. Hardwood floors will be used in the principal rooms. There will be a central heating system, open fire places, a hot water supply and vacuum cleaning. Bath rooms will be finished in tile and equipped with showers. Exterior of the house will be covered with cement plaster on metal lath. A clay tile roof is specified. Plans are complete and figures are being taken.

OAKLAND, CAL.—Residence, 2 story and base, frame, \$10,000. Architect, H. H. Gutterson, 80 Post street, S. F. Owner, C. M. Dutton. The dwelling will be erected in the Claremont Tract and has been designed for an eight-room house with three baths, sleeping porch and garage. Interior of the house will be finished in pine, redwood, white enamel and hardwood. Hardwood floors will be used in the living room, dining room and library. There will be furnace heat and open fire places. Mantels will be of tile and brick. Bath rooms will have tile walls and floors. Exterior of the house will be covered with cement

plaster on metal lath. Plans are now being prepared.

BERKELEY, ALAMEDA CO., CAL.—Residence, 2 story and base, frame, \$4,000. Architect, James W. Plachek, Acheson Bldg., Berkeley. Owner, Frank Dutra. The dwelling will be erected on Spruce street and has been designed for a seven-room house with bath and sleeping porch. Interior finish will be of pine and redwood with some white enamel in the bed rooms. There will be furnace heat and open fire places. Mantels will be of tile or brick. Bath room will have tile floor and wainscot. An automatic water heater will be installed. Hardwood floors will be used in the living room, dining room and reception hall. Exterior of the house will be covered with cement plaster on metal lath. Plans are complete and figures are being taken.

BERKELEY, ALAMEDA CO., CAL.—Residence, 2 story and base, frame, \$1,000. Architect, none. Owner, Louis O. Hanson, 2211 Ellsworth street, Berkeley. The dwelling will be erected on the Alameda and has been designed for an eight-room house with bath and sleeping porch. Interior finish will be of pine and hardwood with white enamel in the bed rooms. There will be furnace heat and open fire places. Hardwood floors will be used in the principal rooms. Mantels will be of tile and brick. Tile floors and wainscot will be used in the bath rooms. An automatic water heater will be installed. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor. Materials are now being purchased.

BERKELEY, ALAMEDA CO., CAL.—Residence, 2 story and base, frame, \$1,000. Architects, Hutchinson Bros., 470 13th street, Oakland. Owner, M. C. Vaughn. The dwelling has been designed for a seven-room house with two baths and sleeping porch. Interior will be finished in pine, redwood and hardwood veneer. Hardwood floors will be used in the living room, dining room and reception hall. Some white enamel will be used in the bed rooms. There will be furnace heat and open fire places. Mantels will be of tile. Bath rooms will have tile floors and wainscot. An automatic water heater will be installed. Exterior will be covered with rustic and cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor. Materials are now being purchased.

SAN MATEO, SAN MATEO CO., CAL.—Residence, 2 story and base, frame, \$7,000. Architects, Falch & Knoll, Hearst Bldg., S. F. Owner, E. Sedgwick. The dwelling has been designed for an eight-room house with two baths and two sleeping porches and will be erected in San Mateo Park. A separate garage will be erected. Interior of the house will be finished in pine, redwood and white enamel. The main floor will be finished in blue gum. Hardwood floors will be used in the principal rooms. There will be furnace heat and open fire places. Mantels will be of tile. Bath rooms will have tile floors and wainscot. An automatic water heater will be installed. Exterior of both the house and garage will be covered with cement plaster

on metal lath. Plans are now being prepared.

LOS ANGELES, CAL.—Bungalow court, 24, 1 story, frame, \$20,000. Architect, C. A. Truesdell, Jr., I. W. Hellman Bldg., L. A. Owner's name withheld. These bungalows will each contain four rooms and bath and will be erected on property near the State Normal School. The ground area to be covered is 180 by 320 feet and will be improved by gardens and terraces. Interior finish of the bungalows will be of pine and redwood. Hardwood floors will be used in the living and dining rooms. All bungalows will be equipped with wall beds. Bath rooms will have tile wainscot and composition floors. Automatic water heaters will be installed. Exterior of the group will be covered with cement plaster on metal lath. Plans are now being prepared.

CORONADO BEACH, SAN DIEGO CO., CAL.—Residence, 2 story, attic and base, hollow tile. Cost not stated. Architect, Elmer Grey, Wright and Callender Bldg., L. A. Owner, Gale Thompson, Chicago. The dwelling has been designed for a sixteen-room house with three baths and will be erected on Adela avenue. A garage and stables will also be erected on the property. Interior of the dwelling will be finished in pine and hardwoods with white enamel in the bed rooms. Hardwood floors will be used throughout. Plans provide for furnace heat and open fire places. Mantels will be of tile and brick. Bath rooms will be finished in tile and equipped with showers. A hot water system will be installed. Exterior of the dwelling will be covered with brick veneer and cement plaster. Plans are complete and figures are being taken.

PORTLAND, ORE.—Residence, 2½ story and base, brick, \$20,000. Architects, Root & Kerr, Henry Bldg., Portland. Owner, Louis Rosenblatt. The dwelling has been designed for a twelve-room house with three baths and will be erected on the corner of 21st and Myrtle streets. A garage will be erected on the rear of the property. Interior of the house will be finished in pine, redwood and hardwoods with some white enamel in the bed rooms. There will be furnace heat and open fire places, a vacuum cleaning system and hot water supply. Bath rooms will be finished in tile and equipped with showers. Mantels will be of tile and brick. Exterior of the house will be faced with pressed brick. Plans are now being prepared.

SEWERS, STREET WORK & WATER SYSTEMS.

RED WOOD CITY, SAN MATEO CO., CAL.—Road improvement. Cost not stated. Engineer, County Surveyor Neuman, Redwood City. Owners, San Mateo County. County Surveyor Neuman presented plans and specifications to the Supervisors for paving of the road from Colma to Edgemar and the same have been accepted. Bids for this work will be called for immediately.

RED WOOD CITY, SAN MATEO CO., CAL.—Road improvement. Cost not stated. Engineer, County Surveyor Neuman, Redwood City. Owners, San Mateo County. Plans and specifications prepared by the County Surveyor for 17,862 feet of roadway, being a portion of the road from Menlo Park

to Portola, have been adopted by the Supervisors and bids for the work are now being called for.

SANTA PAULA, VENTURA CO., CAL.—Irrigation system, \$100,000. Engineer, A. C. Hardison, Santa Paula. Owners, Pleasant Valley Lemon Co., Santa Paula. The Pleasant Valley Lemon Company will construct an irrigation system costing \$100,000 and a cement distributing system to cost \$75,000 at Santa Paula. The work will be started immediately. The system is to serve 1,080 acres in Pleasant Valley, ten miles east of Oxnard and one mile north of Somis. The officers of the company are Judge S. B. Kingsbury, president; Charles Donlan, A. F. Maulhardt, R. F. Lacy, R. S. Vaile, J. C. Daly and A. C. Hardison, the latter serving also as directing engineer.

FRESNO, FRESNO CO., CAL.—Street paving. Cost not stated. Engineer, City Engineer, Fresno. Owners, City of Fresno. A resolution for the paving of K street has been passed by the City Council after protests of property owners were overruled. Bids will soon be called for on this work.

VISALIA, TULARE CO., CAL.—Road construction. Cost not stated. Engineer, County Surveyor, Visalia. Owners, Tulare County. The Board of Supervisors of Tulare County is advertising for bids for the construction of two mountain roads, one from Badger to Eshom and the other from Badger to the Sand Creek road to General Grant Park. Plans and specifications may be obtained at the office of the County Surveyor.

ROSEVILLE, PLACER CO., CAL.—Undergrade crossing, \$11,000. Engineer, State Highway Commission, Forum Bldg., Sacramento. Owners, State of California. The State Railroad Commission has authorized the State Highway Commission to construct an undergrade crossing beneath the Southern Pacific tracks near Roseville, Placer County. The cost of construction up to \$11,000 will be divided equally between the Highway Commission and the Southern Pacific, and the expense in excess of \$11,000, three-quarters will be borne by the Highway Commission and one-quarter by the railroad company.

SACRAMENTO, CAL.—Fire alarm system. Cost not stated. Engineer, City Engineer, Sacramento. Owners, City of Sacramento. Chas. A. Bliss, City Commissioner, has announced he will renew his efforts in securing a street intersection fire alarm system in the business section of the city. Several accidents have occurred lately through the fault of pedestrians not hearing the bells of the fire companies.

FOLSOM, SACRAMENTO CO., CAL.—Highway construction. Cost not stated. Engineer, County Surveyor, Sacramento. Owners, Sacramento County. Plans are complete and figures are being received for constructing a highway between Folsom and Orangevale. Plans and complete particulars can be secured from the County Surveyor at Sacramento. Bids will be opened on January 5th.

TACOMA, WASH.—Tidewater waterway, \$350,000. Engineer, D. B. Roben, Tacoma. Owners, Hylebo Creek Diking District. The present commissioners of the Hylebo Creek Diking District have been reelected and the proposition of constructing a waterway from tidewater to Julia's Gulch, a distance

of two miles at a cost of \$350,000, endorsed. The commissioners who will have the work in charge will be Chester Thorne, I. N. Hague and John Buf-felton. The waterway will be 400 feet wide from deep water to 11th street and 300 feet wide from there to the end of the project. Earth from the waterway will be used to fill 1,300 acres of tide lands. D. B. Roben of Tacoma is the engineer who is now engaged in preparing the plans.

SALEM, ORE.—Reclamation work, \$10,000,000. Engineers, United States Reclamation Service and State Engineer John H. Lewis. Owners, United States Government. Plans and estimates of cost of irrigating 200,000 acres of land in the upper Deschutes River basin are embraced in a report to be issued by John T. Whistler and E. G. Hopson, of the Federal Reclamation Service, and State Engineer John H. Lewis. The land can be reclaimed in four units, and all of them must look for their water supply to two reservoirs, one to be located on the Deschutes River at Benham Falls and the other at Crane Prairie. The estimated cost of the first reservoir is \$991,000, and that for the second \$152,000. The north unit embraces 99,300 acres and will cost \$5,519,000. The west side unit consists of 20,325 acres which adjoins the Tumalo project, and will cost \$831,500. In the east side unit there are 36,000 acres, and the total cost will exceed \$1,000,000. The south side unit embraces 48,460 acres, and the cost is estimated at \$2,929,000. The State and the United States Reclamation Service are co-operating in the preparation of plans and estimates of the cost of a number of projects.

MODESTO, STANISLAUS CO., CAL.—Drainage ditches, \$12,000. Engineer, Chief Engineer Modesto Irrigation District, Modesto. Owners, Modesto Irrigation District. Bids for the construction of the Curtis and Sproul drainage ditches for the Modesto District were opened by the directors of the district, but no awards were made pending a further consideration of the offers. There were eight bids submitted as follows: E. K. Finney of Modesto proposed to do the work with the use of vitrified pipe where necessary for \$12,560.10; and using concrete pipe for the Curtis drain and vitrified pipe for the Sproul ditch for \$12,464.10. Hards Bros. of Sacramento proposed to do only the earth work on the Curtis ditch; J. D. Niman of Turlock, the earth work on both ditches; J. M. Anderson of Turlock cement pipe for both ditches; W. H. Forsdick, Jr., vitrified pipe for the Sproul; Way Bros. of Modesto, vitrified or cement pipe for both ditches; J. M. Bomberger, earth work on 1½ miles of the Curtis ditch; Frank C. McIntyre of Stockton, vitrified pipe for Sproul ditch. The only competition offered Finney's bid was the combination of the bids of Way Bros. on pipe work and Hards Bros. on the earth work, the total of the two proposals being \$12,605.10; this figure being greater than either of the proposals of Finney. All bids save those of Way Bros., Hards Bros., and Finney were rejected by the directors. The bids were taken under advisement until January 2nd, on which date the directors will hold a meeting and make an award of the contract.

Contracts Awarded.

TULARE, TULARE CO., CAL.—Street paving, \$90,494. Engineer, City Engineer, Tulare. Owners, City of Tulare. Contractors, Federal Construction Co., Redwood City. Contract price, \$90,494.

FRESNO, FRESNO CO., CAL.—Fire hydrants, \$875. Engineer, City Engineer, Fresno. Owners, City of Fresno. Contractor, Ben Hunt, 1118 Yosemite street, Fresno. Contract price, \$875.

RICHMOND, CONTRA COSTA CO., CAL.—Sewer construction. Cost not stated. Engineer, City Engineer, Richmond. Owners, City of Richmond. The City Council has been notified that the contract for constructing sewers in Pullman avenue has been assigned to Fred Meyers by the former contractor, T. Clinch.

SEATTLE, WASH.—Highway construction, \$30,866. Engineer, City Engineer, Seattle. Owners, City of Seattle. Contractor, W. W. Wilcox, Sunnydale. Contract price, \$30,866.

SCHOOLS.

OAKLAND, CAL.—School, 1 and 3 story and base. Class A construction. Cost not stated. Architect, J. J. Donovan, Security Bldg., Oakland. Owners, City of Oakland. This building will be known as the Clawson School, and when complete will be one of the most modern school structures in Oakland. The main portion of the building will be three stories high while two one-story wings will extend from each end of the main building. The central portion will contain eighteen class rooms, principal's office, teachers' rooms, assembly hall and library. One wing will be devoted to the domestic science department, in connection with which will be operated a kindergarten, while the other wing will be given over to a cafeteria, kitchen, teachers' lunch rooms and storage rooms. Construction will be fireproof throughout with a complete steel frame, reinforced concrete, walls and stairways. Plans include modern school plumbing, electric work, program clocks, steam heat, vacuum cleaning and patent panic doors. Exterior will be faced with buff tapestry brick. Plans have been completed and have received official approval. Bids are now being taken and will be opened by the Board of Education on January 19th. An official proposal appears in another column of this issue.

SEBASTOPOL, SONOMA CO., CAL.—School, 1 story, frame. Cost not stated. Architect, E. L. Norberg, Bank Bldg., Burlingame. Owners, Sebastopol School District. The building has been designed for a district school, and will contain two class rooms. There will be a warm air system of heating and modern school plumbing. Composition blackboards are specified. Interior will be finished in pine throughout. Exterior of the building will be covered with shiplap and rustic. Plans are now being prepared.

LONE STAR SCHOOL DISTRICT, FRESNO CO., CAL.—Perry water system. Cost not stated. Architect, none. Owners, Lone Star School District. The Board of Trustees of the Lone Star School District will receive bids up to and including 10 a. m. of January 9th for furnishing and installing a Perry water system in accordance with plans and specifications in the

hands of the Clerk of said Board, J. M. O'Brien, Fresno, R. F. D., No. 6, Box 161.

BAKERSFIELD, KERN CO., CAL.—School heating system. Cost not stated. Architect, O. L. Clark, Brower Bldg., Bakersfield. Owners, Bakersfield School District. Plans have been completed and are now out for figures for furnishing and installing a heating system in the old portion of the Emerson School. Plans and complete particulars can be secured from the architect. Bids will be opened on January 8th.

GLENDAL, LOS ANGELES CO., CAL.—School addition, 1 story, brick and concrete. Cost not stated. Architect, C. S. Westlake, 1458 Oak street, Glendale. Owners, Third Street School District. This addition will consist of four rooms. Interiors will be finished in pine and hardwood. The present system of heating will be extended to the new portion. There will be plumbing and electric work. Exterior of the building will be faced with cement plaster. Plans are complete and figures are now being taken. Bids will be opened on January 7th.

Contracts Awarded.

FRESNO, FRESNO CO., CAL.—School heating and ventilating, \$4,148. Architect's name not given. Owners, City of Fresno. Contractors, Robert Dalziel, Jr., 218 First street, S. F. Contract price, \$4,148. Three other bids were submitted as follows: J. C. Hurley, S. F., \$4,455; Scott & Co., S. F., \$4,898; Kutner-Goldstein Co., Fresno, \$5,708.

STORES AND OFFICES.

SAN FRANCISCO—Stores and billiard hall, 2 story and base, brick. Cost not stated. Architects, Rousseau & Rousseau, Monadnock Bldg., S. F. Owner, Ernest Heuter. This building will be erected at the northeast corner of Fillmore and California streets, and will have a frontage on Fillmore street of 87 feet and on California of 55 feet. There will be six stores on the ground floor and a large billiard hall on the second floor. Interior finish will be of pine and hardwood. Marble bases will be used and patent store fronts. Exterior of the building will be faced with pressed brick trimmed with terra cotta. Plans are complete and figures are being taken.

OAKLAND, CAL.—Stores and lofts, 2 story and base. Class C construction, \$15,000. Architect, Chester H. Miller, Dalziel Bldg., Oakland. Owner, Lewis G. Gear. The building will be erected at the corner of 23rd and Broadway, covering an area of 49 by 109 feet. Besides the stores there will be a commercial garage covering an area of 47 by 60 feet. Upper floor will be used for lofts. Interior finish will be of pine throughout. Special gasoline storage tanks will be used in the garage. Patent store fronts are specified. Exterior of the building will be faced with pressed brick. Plans are now being prepared.

LONG BEACH, LOS ANGELES CO., CAL.—Stores and theatre, 2 story and base, brick and steel. Cost not stated. Architect, Irving J. Gill, 913 South Figueroa street, L. A. Owner, Homer Laughlin, Jr. The building will be erected at the corner of 4th and Pine streets, covering an area of 80 by 105 feet. There will be several stores be-

sides the theatre on the first floor. Interior finish will be of pine with some ornamental plaster in the theatre. Special ventilating and sheet metal work is specified. Exterior of the building will be faced with pressed brick. Plans are now being prepared.

WHITTIER, LOS ANGELES CO., CAL.—Offices and garage, 1 story and base, reinforced concrete. Cost not stated. Architects, Rea & Garstang, Black Bldg., L. A. Owners, Murphy Oil Co. The building has been designed to contain the general offices of the oil company with provision in the rear for the company's garage. Construction will be fireproof. Interior will be finished in pine throughout. Exterior will be faced with cement plaster. Plans are now being prepared.

THEATRES.

MODESTO, STANISLAUS CO., CAL. Theatre and stores, 2 story and base, brick and steel, \$18,000. Architect, Charles C. Frye, 20 Montgomery street, S. F. Owners, represented by G. H. Umben Co., S. F. The building will be erected at the corner of 10th and J Streets and has been mentioned here before. Plans have been called in for revision and new figures will be taken at once. The theatre portion will be enlarged and one of the stores eliminated. Exterior will be faced with pressed brick. Revised plans are complete and new figures are now being taken.

SEALED PROPOSALS

NOTICE TO CONTRACTORS.

OFFICE CONSTRUCTING QUARTERMASTER, Fort Mason, Cal., December 29, 1914.—SEALED PROPOSALS, in triplicate, for constructing a Ward for Special Surgical Cases and an addition to the Nurses' Dormitory, at the Letterman General Hospital, will be received here until 11 A. M., January 18, 1915, and then opened. Plans, specifications, blank forms, etc., can be obtained here. Deposit of \$10.00 required to insure return of plans, etc. Proposals to be enclosed in sealed envelopes and addressed GEO. McK. WILLIAMSON, Lt. Col., Q. M. Corps. (*)

PROPOSALS FOR CANAL SUPPLIES.

PANAMA CIRCULAR NO. 2010—Office of the General Purchasing Officer, Panama Canal, Washington, D. C.—Sealed proposals will be received here until 10:30 a. m. January 13, 1915, under circular No. 2010 for furnishing switchboard, transformer, cable clips, haps and staples, strap hinges, brass tubing, sledge hammer handles, steel stamping letters, rubber water hose, boxwood rules, zigzag rules, metallic and steel tapes, tarred marine, steel pilots and lumber. For further information address F. C. BOGGS, major, corps of engineers, U. S. army, general purchasing officer.

PROPOSALS FOR STEEL PIPE.

STEEL PIPES—Department of the Interior, United States Reclamation Service, Fletcher, Mont.—Sealed proposals will be received at the office of the United States Reclamation Service, Browning, Mont., until 2 o'clock p. m. January 20, 1915, for the construction of concrete piers for supporting the steel pressure pipes at the Hall's Coulee Crossing of the St. Mary's Canal, St. Mary's Storage Unit, Milk River project, Mont. The work involves about 250 cubic yards of concrete and 1,000 cubic yards of excavation and backfilling and is situated in the Blackfoot Indian Reservation, about 25 miles northwest of Browning, Mont. For particulars address the United States Reclamation Service, Great

Falls, Mont., or Fletcher, Mont. H. N. SAVAGE, supervising engineer.

PROPOSALS FOR ROOF WORK.

ROOF WORK—Treasury Department, Office of the Supervising Architect, Washington, D. C.—Sealed proposals will be received at this office until 3 o'clock p. m. on the 11th day of January, 1915, and then opened, for miscellaneous work in connection with the roofs of the U. S. post office and court house building at Denver, Colo., in accordance with the specifications, copies of which may be had at the office of the superintendent of construction at the building or at this office, in the discretion of the supervising architect. O. WENDEROTH, supervising architect.

PROPOSALS FOR CANAL SUPPLIES.

PANAMA CIRCULAR 887—Proposals for Electric Cable, Wrought Iron or Steel Pipe, Coal Shovels, Stepladders, Rubber Bands, Manila Folders and Toilet Paper.—Sealed proposals will be received at the office of the general purchasing officer, the Panama Canal, Washington, D. C., until 10:30 a. m. January 7, 1915, at which time they will be opened in public, for furnishing the above mentioned articles. Blanks and general information relating to this circular (No. 887) may be obtained from this office or the office of the assistant purchasing agent, 1086 North Point street, San Francisco, Cal.; also from the U. S. engineer offices in the following cities: Seattle, Wash.; Los Angeles, Cal. F. C. BOGGS, major, corps of engineers, U. S. army, general purchasing officer.

PROPOSALS FOR CANAL SUPPLIES.

PANAMA CIRCULAR 888—Proposals for Structural Steel and Miscellaneous Material for Pier No. 7, Cristobal Terminal Docks.—Sealed proposals will be received at the office of the general purchasing officer, the Panama Canal, Washington, D. C., until 10:30 a. m. January 23, 1915, at which time they will be opened in public, for furnishing the above mentioned articles. Blanks and general information relating to this circular (No. 888) may be obtained from this office or the office of the assistant purchasing agent, 1086 North Point street, San Francisco, Cal.; also from the U. S. engineer offices in the following cities: Seattle, Wash.; Los Angeles, Cal. F. C. BOGGS, major, corps of engineers, U. S. army, general purchasing officer.

NOTICE INVITING PROPOSALS.

THE BOARD OF EDUCATION OF the City of Oakland, State of California, requests and will receive Proposals, or Bids, for the furnishing of all the Materials, Labor and Workmanship required in connection with the Clawson School, and to be erected on the easterly side of Union and Peralta streets between Thirty-second (32nd) and Thirty-fourth (34th) streets, in the City of Oakland, Alameda County, California.

All said Materials, Labor and Workmanship is to consist of that required by, and be in accordance with the Plans, Drawings, and Specifications prepared therefor and on file in the office of John J. Donovan, the Supervising Architect of the City of Oakland, to which said Plans and Specifications reference is hereby made.

All proposals shall be made upon and conform to the requirements of the forms of Proposals, prepared and furnished by the City, through the Supervising Architect, and shall be enclosed in sealed envelopes, endorsed "Bid for (name of school)," addressed to the Board of Education, and deposited by the bidder or his agent, with the Board, while in session, between 1:30 o'clock and 5:30 o'clock P. M., Pacific Time, on the 19th day of January, 1915, in the room of the Board in the City Hall, Oakland, California, and at the expiration of the time named the Bids will be opened, examined and publicly declared in open session of the Board.

Each bid shall bear an Affidavit of the bidder as required by Section 276 of the Charter of the City of Oakland, and of the form which will be fur-

nished by the City with the Form of Proposal.

No person, firm or corporation shall be allowed to file or be interested in more than one Bid for the same work, and if on opening Bids, more than one Bid appears in which the same person, firm or corporation is interested, all such Bids will be rejected.

No Proposal or Bid will be received or considered which is not accompanied by a check, certified by a responsible bank, payable to the order of Frank M. Smith, City Clerk, in an amount not less than ten per centum (10%) of the aggregate amount of the Proposal. Said check shall be forfeited to and be retained by the City if the successful Bidder fails or refuses to execute the Contract in the required for and furnish Bonds of the forms to be provided by the City and as required by the Charter of the City of Oakland, within twenty (20) days after receiving notice of award.

After the award and upon the execution of the Agreement, the Contractor shall at the same time execute to the City of Oakland and deliver to the City Clerk a bond guaranteeing to the City the faithful performance of the Contract, and in an amount equal to twenty-five per centum (25%) of the amount named in the Agreement. He shall likewise execute and deliver at the same time another and separate Bond to protect any and all persons performing labor upon or furnishing materials to be used upon the said work, and in an amount equal to fifty per centum (50%) of the amount named in said Agreement.

The Contractor will be required to begin work within five (5) days from the execution of the Contract—unless otherwise notified in writing by the Owner or Architect, and to fully complete the entire work in accordance with the requirements of the Agreement, Plans, Drawings and Specifications prepared therefor to the entire satisfaction of the Commissioner of Public Works and the Board of Education and within the space of One Hundred Seventy (170) working days thereafter as defined in the Agreement.

A bound set of the Forms of Proposal, and of the required Affidavits, Agreement, Bonds, Acknowledgments and Specifications will be furnished Contractors on demand at the office of the Supervising Architect of the City of Oakland, Security Bank Building, corner of Eleventh and Broadway. The Plans and Drawings may be had at the said office of the Supervising Architect after Thursday, December 31, 1914, within a reasonable time after application, and upon the deposit of Twenty-five Dollars (\$25.00), which deposit will be returned to the applicant when the said Plans and Drawings are returned to the Architect in good condition, one complete set of Plans and Drawings required for the work will be furnished each applicant for the General Contract work. Additional copies will, however, be furnished provided the applicant pays the cost of reproduction, such additional copies to be returned to the Architect together with the first set.

Each Bidder shall submit a formal Bid in strict accordance with and without deviation from the Plans and Specifications, unless such deviation shall have been previously authorized by, and written permission therefor obtained from, the Supervising Architect; in case any such deviation shall be allowed as aforesaid for the submission of the Bid or award of Contract, notice thereof will be served upon all of the Bidders by the Architect.

All information relative to the requirements for bidding, and all directions necessary to explain and make definite any of the provisions of the Specifications or Drawings will be given by the Supervising Architect upon application at his office.

The right is reserved to the Board in accordance with the provisions of the Charter of the City of Oakland, to reject any or all Bids submitted.

By order of the Board of Education of the City of Oakland, California.

Dated Dec. 24, 1914.

A. L. HANNAFORD,
Secretary of the Board of Education
of the City of Oakland.

PROPOSALS FOR PAINTING.

PAINTING—Office of the Custodian, U. S. Public Building, San Diego, Cal.—Sealed proposals will be received at this office until **January 15, 1915**, for painting in this building. For further information address C. H. BARTHOLMEW, custodian.

PROPOSALS FOR BRIDGE CONSTRUCTION.

BRIDGE—Department of the Interior, U. S. Reclamation Service, Washington, D. C.—Sealed proposals will be received at the office of the United States Reclamation Service, Great Falls, Mont., until **2 o'clock p. m. January 12, 1915**, for furnishing and erecting one highway and pipe bridge of two spans, each composed of three trusses 97 feet 6 inches long for the St. Mary storage unit, Milk River project, Mont. For particulars address the United States Reclamation Service, Washington, D. C.; Great Falls, Mont., or Fletcher, Mont. A. P. DAVIS, chief engineer.

PROPOSALS FOR CRANE.

CRANE—Sealed proposals indorsed "Proposals for Locomotive Cranes" will be received at the bureau or yards and docks, Navy Department, Washington, D. C., until **11 o'clock a. m. January 23, 1915**, and then and there publicly opened, for two 15-ton locomotive cranes for the naval station, Pearl Harbor, Hawaii. Specifications may be obtained on application to the bureau of yards and docks. H. R. STANFORD, chief of bureau.

NOTICE TO CONTRACTORS.

SEALED BIDS will be received by W. F. McClure, State Engineer, Capitol Building, Sacramento, California, **up to and including 12 o'clock, noon, Monday, February 1, 1915**, said bids then and there to be publicly opened and read for furnishing all plant, materials, and labor, and doing the work required to complete the Mason Work, Structural Steel and Iron, Carpenter Work, Metal Furring, Lathing and Plastering, Sheet Metal and Roofing, Painting and Staining, Glass and Glazing, Ornamental Iron Work, Marble and Tile Work, and Electric Wiring of buildings to be known as "Main Building" and "Gymnasium and Boiler House," Fresno State Normal School, Fresno, California, in accordance with the plans and specifications therefor, copies of which may be obtained on application to the State Department of Engineering, Sacramento, California.

Such bids will be received for the Entire Work, and must be submitted on forms prepared and furnished by the State Department of Engineering. Cash, a bidder's bond, or a certified check in the sum of ten per centum (10%) of the amount of the bid must accompany each bid.

A deposit of Twenty-five (\$25.00) Dollars will be required on plans and specifications; the deposit to be returned immediately on the return of the plans and specifications to the State Department of Engineering, at Sacramento, California, in good condition.

The State Department of Engineering reserves the right to reject any and all bids and to waive any informality in any bid received.

All bids must be addressed to W. F. McClure, State Engineer, Sacramento, California, and plainly marked on the envelope: "Proposals for 'Main Building' and 'Gymnasium and Boiler House,' Fresno State Normal School, Fresno, California."

[SIGNED] W. F. McCLURE,
State Engineer. (*)

NOTICE TO CONTRACTORS.

SEALED BIDS will be received by W. F. McClure, State Engineer, Capitol Building, Sacramento, California, **up to and including 12 o'clock, noon, Monday, February 1, 1915**, said bids then and there to be publicly opened and read for furnishing all plant, materials, and labor, and doing the work required to complete the Boiler Plant Equipment of a building to be known as "Gymnasium and Boiler House," Fresno State Normal School, Fresno, California, in accordance with the plans and

specifications therefor, copies of which may be obtained on application to the State Department of Engineering, Sacramento, California.

Such bids will be received for the Entire Work, and must be submitted on forms prepared and furnished by the State Department of Engineering. Cash, a bidder's bond, or a certified check in the sum of ten per centum (10%) of the amount of the bid must accompany each bid.

A deposit of Fifteen (\$15.00) Dollars will be required on plans and specifications, the deposit to be returned immediately on the return of the plans and specifications to the State Department of Engineering, at Sacramento, California, in good condition.

The State Department of Engineering reserves the right to reject any and all bids and to waive any informality in any bid received.

All bids must be addressed to W. F. McClure, State Engineer, Sacramento, California, and plainly marked on the envelope: "Proposal for Boiler Plant Equipment for Gymnasium and Boiler House, Fresno State Normal School, Fresno, California."

[SIGNED] W. F. McCLURE,
State Engineer. (*)

NOTICE TO CONTRACTORS.

SEALED BIDS will be received by W. F. McClure, State Engineer, Capitol Building, Sacramento, California, **up to and including 12 o'clock, noon, Monday, February 1, 1915**, said bids then and there to be publicly opened and read for furnishing all plant, materials, and labor, and doing the work required to complete the Plumbing, Sewers and Gas Fitting, Vacuum Cleaning system, Steam Heating and Fitting and Indirect Heating and Ventilating System of buildings to be known as "Main Building" and "Gymnasium and Boiler House," Fresno State Normal School, Fresno, California, in accordance with the plans and specifications therefor, copies of which may be obtained on application to the State Department of Engineering, Sacramento, California.

Such bids will be received for the Entire Work, and must be submitted on forms prepared and furnished by the State Department of Engineering. Cash, a bidder's bond, or a certified check in the sum of ten per centum (10%) of the amount of the bid must accompany each bid.

A deposit of Fifteen (\$15.00) Dollars will be required on plans and specifications, the deposit to be returned immediately on the return of the plans and specifications to the State Department of Engineering, at Sacramento, California, in good condition.

The State Department of Engineering reserves the right to reject any and all bids and to waive any informality in any bid received.

All bids must be addressed to W. F. McClure, State Engineer, Sacramento, California, and plainly marked on the envelope: "Proposal for Plumbing, etc., for 'Main Building' and 'Gymnasium and Boiler House,' Fresno State Normal School, Fresno, California."

[SIGNED] W. F. McCLURE,
State Engineer. (*)

PROPOSALS FOR BUILDING.

BUILDING—Treasury Department, Office of the Supervising Architect, Washington, D. C.—Sealed proposals will be opened in this office at **3 p. m. on January 22, 1915**, for the construction (including the mechanical equipment, interior lighting fixtures and approaches), of a one-story, basement and stone and brick-faced building of 4,650 square feet ground area, fireproof first floor, tin and composition roof, for the United States post office at Uvalde, Tex. Drawings and specifications may be obtained from the custodian of the site at Uvalde, Tex., or at this office, in the discretion of the supervising architect. O. WENDEROTH, supervising architect.

NOTICE TO CONTRACTORS.

PANAMA-PACIFIC INTERNATIONAL EXPOSITION.

SEALED PROPOSALS will be received by the Buildings and Grounds Committee of the Panama-Pacific Interna-

tional Exposition Company at Room 213, in the Service Building, Fillmore and Chestnut Streets, San Francisco, California, at **9 A. M., Tuesday, January 11, 1915**, for **Electric Wiring of Fine Arts Building**, in accordance with plans and specifications on file in the office of the Director of Works.

Each proposal must be accompanied by a certified check payable to the order of the Panama-Pacific International Exposition Company in the sum of ten (10) per cent of the amount bid, or the same will not be considered. When the award of contract is made all checks will be returned to the respective bidders, except that filed with the accepted proposal or bid, which check will be returned upon the successful bidder signing the contract and filing the required bond. A bond in the sum of fifty (50) per cent of the contract price will be required for the faithful performance of the contract; the sureties thereon must be satisfactory to the Buildings and Grounds Committee of the Panama-Pacific International Exposition Company.

Progressive payments will be made. The right is reserved to reject any and all bids and to waive technical defects if in the interest of the Exposition Company.

Plans and specifications for the work may be obtained from the Director of Works, Room 207, Service Building, Fillmore and Chestnut Streets, San Francisco, by depositing \$10.00, which amount will be refunded to contractors submitting bona fide bids. All persons taking out plans and failing to submit bona fide bids will forfeit the deposit of Ten Dollars to the Exposition Company.

By order of the Buildings and Grounds Committee.
WILLIAM H. CROCKER,
Chairman. (*)

INCORPORATIONS

New Moraghan Oyster Co. To plant, propagate and deal in oysters, oyster beds and fish of all descriptions. Capital Stock, \$20,000; 2000 shares at \$10 each; amount subscribed, \$40. Place of business, San Francisco. Directors—H. L. McKnew, A. M. McKnew, C. Ratto, M. M. Ratto, 1 share each.

"Congregation Akabai Shalome." Cert. Copy. Religious. No Capital Stock. Place of business, San Francisco. 3 Directors.

Neuland Magneta Company; to own improve and develop mines, mining claims, oil wells, etc. Capital stock, \$50,000.00; 10,000 shares at \$5.00 each. Amount subscribed \$25.00. Place of business, San Francisco. Subscribers, E. J. Davis, 2 shares; M. D. Sapiro, A. L. Sapiro, V. Britton, 1 share each.

Gus. F. Lehrke Company, general real estate business. Capital stock, \$25,000.00; 250 shares at \$100.00 each. Amount subscribed, \$25,000.00. Place of business, San Francisco. Subscribers, Gus. F. Lehrke, 210 shares; W. J. Lewis, D. Houston, 20 shares each.

Elk Creek Cactus Farms, Inc. To grow and develop Burbank spineless Cactus. Capital Stock, \$15,000; 15,000 shares at \$1 each; amount subscribed, \$5. Place of business, San Francisco. Directors—Z. O. Blake, G. H. Blake, B. W. Hellings, W. F. Hellings and A. Vernon, 1 share each.

NOTICE OF NON-LIABILITY.

Jan. 2, 1915—SE FILLMORE AND Broadway 20 on Fillmore and 20 on Broadway. Carl and Clara Louise Ede Wilson as to improvements on leased property.....
Jan. 2, 1914—W SCOTT 175 N Lombard N 25xW 100. Johanna Rotger as to improvements on leased property

ADVANCE NEWS

Classified according to Location

SAN FRANCISCO.

RESIDENCES—3, 2 story and base, frame, \$4,500 to \$8,000. San Francisco. Architect, Charles J. Rousseau, 46 Kearny street, S. F. Owners, The Allen Co. These houses will be erected on property in Windsor Terrace and will contain from six to nine rooms complete with all modern conveniences. A large and spacious living room, dining room and reception hall besides the kitchen, butler's pantry and servants' quarters will occupy the first floor. Opening off the dining room will be an open terrace with flower box enclosures and commanding a fine view of the beautiful canyon. The second floor will contain bed rooms, two of which will have connecting baths and open sleeping porches. A large billiard hall, wine cellar, furnace room and storage rooms will be provided in the basement. Each house will have a private garage in the rear which will be reached by a winding driveway passing under a porte-cochere. The entire first floor will be finished in Jenisero with hardwood floors. Upper floor will be finished in redwood, and white enamel. Furnace heat, open fire places and automatic water heaters are included in the specifications. Mantels will be of tile and brick. Bath rooms will be finished in tile. Exteriors have been designed in the English Manor style, the Tudor English and Old English and will be covered with cement plaster on metal lath. Plans are complete and segregated figures are being taken.

RESIDENCES—2, 1½ story and base, frame, \$2,500 each. San Francisco. Architect, none. Owner, N. J. Nelson, 4278 23rd street, S. F. These houses will be erected on property at the southeast corner of Eureka and 22nd streets, and each has been designed to contain six rooms and bath. Interiors will be finished in pine and redwood. Hardwood floors will be used in the living and dining rooms. There will be large open fire places and tile or brick mantels. Bath rooms will have tile wainscot. Exteriors will be covered with rustic and cement plaster on metal lath. Plans are complete and the work will be done by Day Labor. Materials are now being purchased.

RESIDENCE—2 story and base, frame, \$3,500. San Francisco. Architect, none. Owner, M. C. Rench, 1427 5th avenue, S. F. The dwelling will be erected on the east side of 11th avenue south of Balboa street and has been designed to contain seven rooms and bath. A separate garage will be erected. Interior of the house will be finished in pine, redwood and some hardwood veneer. Hardwood floors will be used in the living and dining rooms. There will be furnace heat and open fire places. Mantels will be of tile. Tile wainscot will be used in the bath room and kitchen. Exterior of the dwelling will be covered with cement plaster on metal lath. An au-

tomatic water heater will be installed. Plans are complete and in the hands of the owner who will do the work by Day Labor. Materials are now being purchased.

RESIDENCE—1 story and base, frame, \$1,500. San Francisco. Architect, none. Owner, T. Copnik, 36 Lakeview, S. F. The dwelling will be erected at the northwest corner of Caine and Lakeview streets, and has been designed for a five-room house with bath. Interior will be finished in pine and redwood. Oak floors will be used in the living and dining rooms. There will be an open fire place with tile or brick mantel. Bath room will be finished in tile. Exterior of the house will be covered with rustic and ship-lap. Plans are complete and in the hands of the owner who will do the work by Day Labor. Materials are now being purchased.

RESIDENCES—2, 2 story and base, frame, \$3,000 each. San Francisco. Architect, none. Owner, E. Ginley, 131 5th avenue, S. F. These two dwellings have been designed for six-room houses with bath and will be erected on the west side of 15th avenue north of Balboa street. Interiors will be finished in pine, redwood and blue gum. Hardwood floors will be used in the living and dining rooms and reception halls. There will be open fire places and tile and brick mantels. Bath rooms will be finished in tile. Automatic water heaters will be installed. Exteriors will be covered with rustic and cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor. Materials are now being purchased.

RESIDENCE—2 story and base, frame, \$6,000. San Francisco. Architects, Falch & Knoll, Hearst Bldg., S. F. Owner, Martin Raggett. The dwelling will be erected in Forest Hill and has been designed for an eight-room house with two baths and sleeping porch. A separate garage will be erected. Interior of the first floor will be finished in blue gum while the upper floor will be finished in pine, redwood and white enamel. Hardwood floors will be used in the living and dining rooms, library and reception hall. There will be furnace heat and open fire places. Mantels will be of tile. Bath rooms will be finished in tile. Automatic water heater will be installed. Exterior of the house will be covered with cement plaster on metal lath. Terraced gardens will be included in the work. Plans are complete and figures are being taken.

FLATS—2 story and base, frame, \$4,000. San Francisco. Architect, none. Owner, W. S. Gilbert, 3987 18th street, S. F. The building will be erected on the south side of Turk street west of Baker and has been designed to contain two modern flats of five and six rooms. A garage will occupy the basement. Interiors will be finished in pine and redwood. Hardwood

floors will be used in the living rooms, dining rooms and reception halls. There will be open fire places and tile or brick mantels. Bath room will have tile wainscot. Automatic water heaters will be installed. Exterior of the building will be covered with rustic and cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor.

STORE HOUSE—1 story, reinforced concrete, \$2,577. San Francisco. Engineer, Constructing Quartermaster's Office, Fort Mason. Owners, United States Government. Bids opened for the construction of a one-story reinforced concrete store house to be erected at Fort Winfield Scott for the State Militia show Robert Trost low at \$2,577. He will probably be awarded the contract. A complete list of the bids received will be found under the heading of San Francisco in this issue.

STORES AND BILLIARD HALL—2 story and base, brick. Cost not stated. San Francisco. Architects, Rousseau & Rousseau, Monadnock Bldg., S. F. Owner, Ernest Heuter. This building will be erected at the northeast corner of Fillmore and California streets and will have a frontage on Fillmore street of 87 feet and on California of 55 feet. There will be six stores on the ground floor and a large billiard hall on the second floor. Interior finish will be of pine and hardwood. Marble bases will be used and patent store fronts. Exterior of the building will be faced with pressed brick trimmed with terra cotta. Plans are complete and figures are being taken.

HOTEL—6 story and base, brick and steel, \$85,000. San Francisco. Architect, A. A. Cantin, Foxcroft Bldg., S. F. Owner, A. W. Maltby. The building will be erected on the south side of Ellis street east of Mason, covering a considerable ground area. There will be in the neighborhood of 100 guest rooms, nearly all of which will have private baths. Interior will be finished in pine and hardwood. Tile floor and wainscot will be used in the bath rooms. Plans provide for steam heat, elevator service, a hot water supply and vacuum cleaning. Tile floor will be used in the main office and lobby. Exterior of the building will be faced with pressed brick trimmed with terra cotta. Plans are complete and figures will be taken at once.

HOTEL ALTERATIONS—2 story, frame. Cost not stated. San Francisco. Architect, John J. Foley, 46 Kearny street, S. F. Owner, S. A. White. The present two-story frame building located on Eddy street near Laguna is undergoing repairs. Included in the work will be new plastering, painting, plumbing, interior finish and electric work. Plans are complete and the work will be done by Day Labor. The

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alterations will add about twelve rooms to the hotel.

OPERATING WARD—2 story, reinforced concrete. Cost not stated. San Francisco. Engineer, Constructing Quartermaster, Fort Mason. Owners, United States Government. This building will be erected at the Letterman General Hospital at the Presidio of San Francisco. The building will cover an area of 28 by 80 feet. Interior will be finished in pine, tile and white enamel. A large amount of special operating and hospital plumbing is specified. Steam heat will be furnished from the central plant at the hospital. Exterior will be faced with cement plaster. A clay tile roof will be used. Plans are complete and figures are being taken. Bids will be opened on January 18th. Plans and specifications can be secured from the office of the Constructing Quartermaster at Fort Mason. An official proposal appears in another column of this issue.

NURSES' DORMITORY—2 story, reinforced concrete. Cost not stated. San Francisco. Engineer, Constructing Quartermaster, Fort Mason. Owners, United States Government. The building will be erected at the Letterman General Hospital in the Presidio of San Francisco and will be known as the Female Nurses' Dormitory No. 2. The building will cover an area of 32 by 80 feet and will contain twenty-four rooms and twelve baths. Interior finish will be largely of birch. There will be steam heat supplied from the central plant. Hardwood floors are specified. Bath rooms will be finished in tile. Exterior of the building will be faced with cement plaster. A clay tile roof will be used. Plans are complete and figures are being taken. Bids will be opened on January 18th. Plans and specifications can be secured from the office of the Constructing Quartermaster at Fort Mason. An official proposal appears in another column of this issue.

FLATS—2 story and base, frame, \$4,000. San Francisco. Architect, none. Owner, O. E. Anderson, 215 10th avenue, S. F. The building will be erected on the west side of 10th avenue south of California street, covering an area of 25 by 42 feet. The building will contain two modern flats of five and six rooms with a private garage in the basement. Interiors will be finished in pine, redwood and elm. Hardwood floors will be used in the principal rooms. There will be open fire places and tile mantels. Tile wainscot will be used in the bath rooms. Automatic water heaters will be installed. Exterior of the building will be covered with rustic and cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor. Materials are now being purchased.

FLATS—2 story and base, frame, \$5,000. San Francisco. Architect, none.

Owner, J. F. Wyman, 1959 Hayes street, S. F. The building will be erected on the west side of 10th avenue north of Clement, covering an area of 25 by 63 feet, and has been designed to contain two modern flats of six rooms each. Interior finish will be of pine and redwood. Hardwood floors will be used in the dining and living rooms and reception halls. Each living room will have a large open fire place. Mantels will be of tile or brick. Tile wainscot will be used in the bath rooms. Automatic water heaters will be installed. Exterior of the building will be covered with rustic and cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor. Materials are now being purchased.

Contracts Awarded.

STATE DISPLAY BOOTHS—Frame construction, \$15,800. San Francisco. Architect's name not given. Owners, State of Nevada. C. G. Sallman of Reno has been awarded the contract for the erection of the booths for the Nevada exhibit at the Panama-Pacific Exposition on his bid of \$15,800, which will be cut down \$1,150, as a decision was reached not to include a state exhibit in the Palace of Education. There were five bidders on the work.

DISPLAY BOOTH—Frame construction. Cost not stated. San Francisco. Architect's name not given. Owners, Columbus Dental Manufacturing Co., Columbus, Ohio. Contractors, Fink & Schindler Co., S. F. Contract price not stated.

DISPLAY BOOTH—Frame construction. Cost not stated. San Francisco. Architect, George Schastey, Monadnock Bldg., S. F. Owners, Berkeley Electric Cooker Co., Berkeley. Contractors, Fink & Schindler Co., S. F. Contract price not stated. Note: The booth will be erected in the Manufactures Palace.

WHARF REPAIRS — \$1,515. San Francisco. Engineer, Constructing Quartermaster, Fort Mason. Contractors, Thomson Bridge Co., S. F. Contract price, \$1,515.

Complete Bids For Fort Scott Building.

Robert Trost Low Man For Building For Militia at Fort Winfield Scott. No Award Made.

The following is a complete list of bids received by the Constructing Quartermaster at Fort Mason for the one-story reinforced concrete store house to be erected for the Militia at Fort Winfield Scott:

Store House.

Robert Trost	\$2,577
A. Wagner	2,930
J. Collins	2,895
H. L. Petersen	4,500
Pringle, Dunn Co.	3,270

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F. M. Garden & Co.	3,303
T. Davis & Son	3,023
Foster-Vogt Co.	3,787
G. O. Boss	3,189
M. Fisher	3,417
W. A. Newsom	3,700

Building Contracts Awarded.

San Francisco

No.	Owner	Contractor	Amt.
4196	Package Fruit	Elliott	1500
4197	Cadenasso	Reite	8100
4198	Pfister	Commary	1111
4199	Austrian	McLeran	22000
4200	Hornburg	Smith	2600
4201	De Luca	Sanguinetti	1500
4202	Cardashian	Northwest	3500
4203	Arrighi	Maffei	2150
4204	Wyman	Bradley	3600
4205	Anderson	Tippett	1000
4206	New York	Schroeder	6750
4207	Same	MacRorie	1314
4208	Same	Hess	41000
4209	Gray	Hamill	2750
4210	Thrasher	Ode	800
4211	Slavilnski	Owner	400
4212	Handabika	Spiletak	600
4213	Phelan	Goodman	400
4214	Chris	Brunswick	400
4215	Green	Green	400
4216	Bush	Bishop	500
4217	Archer	Bishop	500
4218	Leahy	Leahy	1000
4219	Webber	Schulte	400
4220	Veleger	Petterson	450
4221	Loesch	Petterson	600
4222	Toschi	Toschi	400
4223	Joost	Moren	100
4224	Herrgott	Herrgott	1000
4225	Lavagnino	Lavagnino	500
4226	Boivin	Boivin	1800
4227	Harper	Harper	400
4228	Fay	Hanlon	400
4229	Freer	Bluxome	600
4230	Haraslet	Haraslet	1000
4231	Crowley	Crowley	400
4232	Kerry	McCausland	700
4233	Costello	McDonough	1800
4234	Ham	McCausland	5000
4235	Same	Same	5000
4236	Egan	De Rutti	2450
4237	Old Hmstd	Serna	13850
4238	Monterey	Black	1100

1	Phelan	Steiger	1925
2	Heineman	Rouder	1100
3	Gunley	Gunley	2000
4	Gunley	Gunley	2000
5	Anderson	Anderson	4000
6	Nelson	Nelson	2000
7	Nelson	Nelson	2000
8	Kenny	Anderson	1500
9	Rench	Rench	3400
10	Gilbert	Gilbert	3500
11	Fox	Schwartz	2500

EXHIBIT BOOTH

(4196) EXPOSITION SITE. General work for exhibit booth in Palace of Horticulture.

Owner.....The Package Fruit Co.
Architect...Wm. C. Hayes, 68 Post, San Francisco.

Contractor...E. W. Elliott, 180 Jessie, San Francisco.

Filed Dec. 28, '14. Dated Dec. 24, '14.

Frame up	30%
Building completed	45%
Usual 35 days	25%

TOTAL COST, \$1500

Bond, none. Limit, 30 days. Forfeit, \$5. Plans and specifications filed.

FRAME FLATS

(4197) E POWELL 21 S Lombard S 41-6x E 99-6. All work except grading, concrete work for two three-story frame flats.

Owner.....A. Cadenasso.
Architect...Wm. H. Armitage, 328 Montgomery, S. F.

Contractor...J. B. Reite, 110 Jessie, San Francisco.

Filed Dec. 28, '14. Dated Dec. 24, '14.

Frames up	\$1775
Brown coated	1775
White coated and standing finish on	1250
Completed and accepted	1275
Usual 35 days	2025

TOTAL COST, \$8100

Bond, \$4050. Sureties, National Surety Co. Limit, 90 days. Forfeit, \$10. Plans and specifications filed.

EXHIBIT BOOTH

(4198) EXPOSITION SITE. Labor & material for construction of exhibit booth.

Owner.....The J. J. Pfister Knitting Co., 114 Sansome, S. F.
Architect...Nuese & Willis.

Contractor...Commery - Peterson Co., Inc., 742 Market, S. F.

Filed Dec. 28, '14. Dated Dec. 18, '14.

On completion	\$370.33
60 days after completion	370.33
120 days after completion	370.34

TOTAL COST, \$1111.00

Bond, none. Limit, 35 days. Forfeit, none. Plans and specifications filed.

CONCESSION BUILDING

(4199) EXPOSITION SITE. All work for Vienna Coffee Restaurant Concession building, except lighting fixtures and gas appliances and sheet metal.

Owner.....Austrian Concession Co.
Architect...J. C. Hladik, Monadnock Bldg., San Francisco.

Contractor...McLeran & Peterson, Sharon Bldg., S. F.

Filed Dec. 28, '14. Dated Dec. 24, '14.

Payments as work progresses	75%
Usual 35 days	25%

TOTAL COST, \$22,000

Bond, \$11,000. Surety, Southwestern Surety Insurance Co. Limit, 45 days. Forfeit, none. Plans and specifications filed.

FRAME RESIDENCE

(4200) S HIGHLAND AVE 393-S E Mission S 100x E 25. All work except hardwood floors, marble en-

trance, cornice in halls, light fixtures, shades, plate glass, roof paint, and Pitcher sliding door for one-story and basement frame residence.

Owner.....C. H. and Jennie Hornburg, 7 Persia Ave., S. F.
Architect...Jos. Geary.

Contractor...Smith Bros., 35 Delano Ave., San Francisco.

Filed Dec. 28, '14. Dated Dec. 28, '14.

Frame up	25%
Brown coated	25%
Standing finish on	25%
Usual 35 days	25%

TOTAL COST, \$2600

Bond, none. Limit, 120 days after Dec. 24. Forfeit, none. Plans and specifications filed.

ALTERATIONS

(4201) NO. 418 GREEN near Grant Ave Alterations and additions to present three-story and basement building.

Owner.....Felice De Luca.
Architect...Louis Mastropasqua, 580 Washington, S. F.

Contractor...A. Sanguinetti & A. Peri.

Filed Dec. 28, '14. Dated Dec. 15, '14.

Frame up and roof on	\$375
1st coat plaster on	375
Completed and accepted	375
Usual 35 days	375

TOTAL COST, \$1500

Bond, none. Limit, 90 days from Dec. 22. Forfeit, none. Plans and specifications filed.

FRAME ENTRANCE

(4202) EXPOSITION SITE. Carpenter work for frame entrance for concession "The Mysterious Orient."

Owner.....Vahan Cardashian.
Architect...G. A. Applegarth, Claus Spreckels Bldg., S. F.

Contractor...Northwest Constr. Co., Merchants' Exchange Bldg. San Francisco.

Filed Dec. 28, '14. Dated Dec. 26, '14.

Progressive payments of	75%
Usual 35 days	25%

TOTAL COST, \$3500

Bond, none. Limit, rapidly as practical. Forfeit, none. Plans only filed.

FRAME STORE

(4203) SE CALIFORNIA & 17TH AVE 26-8 on California and 96-1 on E 17th Ave. All work for one-story frame store building.

Owner.....Enrico Arrighi, 705 Larkin San Francisco.

Architect...Louis Mastropasqua, 580 Washington, S. F.

Contractor...Paul Maffei, Fillmore and Filbert, San Francisco.

Filed Dec. 28, '14. Dated Dec. 10, '14.

Roof on	\$537.50
1st coat plaster on	537.50
Completed and accepted	537.50
Usual 35 days	537.50

TOTAL COST, \$2150.00

Bond, \$1575. Sureties, Vincenzo Leuci and Nick Capurro. Limit, 60 days. Forfeit, none. Plans and specifications filed.

INTERIOR PLASTER

(4204) W TAYLOR, bet. Sutter and Post. Interior plaster from 1st to 5th floors in building.

Owner...J. Forest Wyman.
Architect...None.

Contractor...Forest Wyman.

Sub-Contractor...Bradley & O'Reilly.

Filed Dec. 28, '14. Dated Nov. 27, '14.

Scratch coat completed	\$900
Brown coated	900
White coated	900

Usual 35 days

TOTAL COST, \$3600

Bond, limit, forfeit, none. Plans and specifications, none.

PLUMBING

(4205) SW NAPLES AND RUSSIA Ave. Plumbing for 5 cottages.

Owner.....Chas. G. Anderson.
Architect...None.

Contractor...J. C. Tippet.

Filed Dec. 28, '14. Dated Nov. 9, '14.

Each cottage roughed in (each)	\$100
Finished and accepted (each)	100

TOTAL COST, \$1000

Bond, limit, forfeit, none. Plans and specifications, none.

LIGHTING FIXTURES

(4206) EXPOSITION SITE. Lighting fixtures for New York State Bldg.

Owner.....Panama-Pacific Exposition Commission State New York.

Architect...Chas. B. Meyers.
Contractor...Edward Schroeder Lamp Works.

Filed Dec. 29, '14. Dated Nov. 23, '14.

Payments as work progresses	85%
On completion ready for occupancy balance to make 98% of contract	
When stipulations regarding guaranteed and maintenance made balance of contract	

TOTAL COST, \$6750

Bond, \$3400. Surety, American Surety Co. of New York. Limit, Feb. 8, 1915. Forfeit, \$75. Specifications only filed.

(4207) LANDSCAPE WORK ON ABOVE Contractor...MacRorie, McLaren Co., Westbank Bldg., S. F.

Filed Dec. 29, '14. Dated Sept. 18, '14.

Payments same as above

TOTAL COST, \$1314

Bond, \$700. Surety, Royal Indemnity Co. Limit, 30 days. Forfeit, \$20. Specifications only filed.

(4208) DECORATIVE AND ADDITIONAL plain painting, furniture, hangings, awnings, shades and carpets on above.

Contractor...D. S. Hess & Co. by L. F. Lesser.

Filed Dec. 29, '14. Dated Nov. 20, '14.

Payments same as above

TOTAL COST, \$41,000

Bond, \$20,500. Surety, New York Casualty Co. Limit, Feb. 17, 1915.

Forfeit, \$100. Specifications only filed.

RESIDENCE

(4209) N ANZA 70 W 12th Ave W 25 x N 75. All work for two-story residence.

Owner.....John Gray, 2252 Clement, San Francisco.

Architect...Thomas Hamill.

Contractor...Thomas Hamill, 268 25th Ave., San Francisco.

Filed Dec. 29, '14. Dated Dec. 24, '14.

Frame up	\$687.50
Brown mortar on	687.50
Completed and accepted	687.50
Usual 35 days	687.50

TOTAL COST, \$2750.00

Bond, limit, forfeit, none. Plans and specifications filed.

ADDITION

(4210) NO. 636 FORTY-FIFTH AVE. Add to dwelling.

Owner.....Dr. Marion Thrasher, Prem
Architect...None.

Contractor...Fred Ode, Premises.
COST, \$800

ALTERATIONS

(4211) NO. 1250 GIRARD. Alter and add to dwelling.
Owner.....Paul Slavilnski, Premises.
Architect...None.
Day's work. COST, \$400

ALTERATIONS

(4212) NO. 450 SANSOME. Alter and repair restaurant.
Owner.....Peter Handabika, 9 Freedom Court, S. F.
Architect...None.
Contractor...I. Spiletak, 1488 Vallejo, San Francisco.
COST, \$600

EXCAVATION

(4213) S MARKET 100 E Seventh. Excavate for installation of oil tank
Owner.....James D. Phelan, Phelan Bldg., San Francisco.
Engineer...Thos. Moran, Phelan Bldg. San Francisco.
Contractor...Geo. Goodman, 62 Post, San Francisco.
COST, \$400

ALTERATIONS

(4214) NO. 395 GEARY. Alter for restaurant.
Owner.....Chris's Place, Inc., 219 O'Farrell, San Francisco.
Architect...None.
Contractor...The Brunswick, Balke, Collender Co., 767 Mission, San Francisco.
COST, \$400

BOARD SIGN

(4215) SE THIRD AND TOWNSEND. Board sign.
Owner.....J. Chas. Green, 273 Valencia, San Francisco.
Architect...None.
Day's work. COST, \$400

ALTERATIONS

(4216) S CORBETT 300 W Hattie. Alter and repair flats.
Owner.....C. P. Bush, 191 Corbett Av San Francisco.
Architect...None.
Contractor...R. Bishop, 81 Merritt, S. F.
COST, \$500

ALTERATIONS

(4217) S CORBETT 175 W Hattie. Alter and repair flats.
Owner.....Mrs. and Mr. Wm. Archer, 30 Merritt, San Francisco.
Architect...None.
Contractor...R. Bishop, 81 Merritt, S. F.
COST, \$500

ALTERATIONS

(4218) Nos. 62-64 EDDY. New front and floor and minor changes.
Owner.....H. H. Leahy.
Architect...None.
Day's work. COST, \$1000

REPAIRS

(4219) NO. 71 THIRD. Repair saloon
Owner.....C. Webber Jr., Premises
Architect...None.
Contractor...H. Schulte, 630 Precita Ave., San Francisco.
COST, \$400

UNDERPIN FACTORY.

(4220) SE FRONT AND JACKSON. Underpin factory.
Owner.....Mary E. Veleger and Alice C. Bell, Premises.
Architect...None.

Contractor...Pettersson & Persson, 62 Post, San Francisco.
COST, \$450

UNDERPIN, ETC.

(4221) S JACKSON 100 E Front. Underpin and erect concrete foundation
Owner.....Chas. Loesch, Fillmore and Eddy, San Francisco.
Architect...P. Righetti, 1168 Phelan Bldg., San Francisco.
Contractor...Pettersson & Persson, 62 Post, San Francisco.
COST, \$600

FRAME STORE

(4222) S CHESTNUT 100 W Pierce. One-story frame store.
Owner.....R. Toschi, 2011 Lombard, San Francisco.
Architect...None.
Day's work. COST, \$400

REPAIRS

(4223) N FALCON 50 W Danvers. Minor repairs to dwelling.
Owner.....B. Joost, 126 Falcon, S. F.
Architect...None.
Contractor...Geo. G. Moren, 125 Falcon Ave., San Francisco.
COST, \$400

ADDITION

(4224) NO. 159 TWENTIETH AVE. Add one-story to dwelling.
Owner.....A. A. Herrgott, Premises.
Architect...None.
Day's work. COST, \$1000

ALTERATIONS

(4225) NO. 17 NEPTUNE. Alter and repair dwelling.
Owner.....G. Lavagnino, Premises.
Architect...None.
Contractor...G. Carraro, 750 Felton, San Francisco.
COST, \$500

ALTERATIONS

(4226) NO. 2526 POLK. Alter flats.
Owner.....Louis E. Boivin, Premises.
Architect...John T. Kidd.
Day's work. COST, \$1800

FRAME DWELLING

(4227) W UNIVERSITY 150 S Woolsey. One-story and basement frame dwelling.
Owner.....E. K. Harper, 774 Thornton Ave., San Francisco.
Architect...None.
Day's work. COST, \$400

ALTERATIONS

(4228) NO. 1629 OAKDALE AVE. Alter dwelling.
Owner.....Jos. Fay, Premises.
Architect...None.
Contractor...Frank I. Hanlon, 1007 Mendell, San Francisco.
COST, \$400

VAULT

(4229) NO. 140 GEARY (6th floor.) Construct hollow tile and concrete vault.
Owner.....Burr W. Freer Co., Prem.
Architect...None.
Contractor...Bluxome & Co., 528 Monadnock Bldg., S. F.
COST, \$600

ADDITION

(4230) NO. 1301 BOSWORTH. Add 5 rooms to dwelling.
Owner.....Michael Haraslet, Prem.
Architect...None.
Day's work. COST, \$1000

ALTERATIONS

(4231) NW CORBETT AND ORD. Underpin and construct stairs.
Owner.....J. Crowley.
Architect...None.
Day's work. COST, \$400

ALTERATIONS

(4232) NO. 785 CASTRO. Alter residence.
Owner.....Patrick Kerry, Premises.
Architect...None.
Contractor...McCausland Bros., 4173 23rd, San Francisco.
COST, \$700

DWELLING

(4233) S COTTER 425 W Mission. One and one-half-story and basement frame dwelling.
Owner.....Costello & McDonough, 93 College Ave., S. F.
Architect...None.
Day's work. COST, \$1800

FRAME FLATS

(4234) S LAKE 28-6 E 18th Ave 25x 84. All work for two-story frame flats.
Owner.....Lloyd Burley Ham, Care S. N. Wood & Co.
Architect...None.
Contractor...McCausland Bros., 4173 23d San Francisco.
Filed Dec 30, '14. Dated Dec. 23, '14.
Frame up and roof rafters on..\$1250
Brown coated 1250
Completed and accepted..... 1250
Usual 35 days..... 1250
TOTAL COST, \$5000

Bond, \$2500. Sureties, D. H. Clinton and C. H. McCausland. Limit, 70 days after Dec. 24. Forfeit, \$2. Plans and specifications filed.

FRAME FLATS

(4235) W TWENTIETH AVE 100 N Anza. All work for two-story frame flats.
Owner.....Chas. E. Ham, 1657 Fillmore, San Francisco.
Architect...None.
Contractor...McCausland Bros., 4173 23d San Francisco.
Filed Dec. 30, '14. Dated Dec. 28, '14.
Frame up and rafters on.....\$1250
Brown coated and rough plumbing in 1250
Completed and accepted..... 1250
Usual 35 days..... 1250
TOTAL COST, \$5000

Bond, \$2500. Sureties, C. H. McCausland and D. H. Clinton. Limit, 80 days. Forfeit, none. Plans and specifications filed.

FRAME STORE BUILDING

(4236) N IRVING 70 E 9th Ave N 100 xE 50. All work except plumbing and finish hardware for one-story frame store building.
Owner.....Eugene P. Egan, 431 Hugo, San Francisco.
Architect...W. L. Schmolle, 166 Geary, San Francisco.
Contractor...Arthur De Rutti, 6112 California, San Francisco.
Filed Dec. 30, '14. Dated Dec. 29, '14.
Roof completed\$900
Building completed & accepted.. 900
Usual 35 days..... 650
TOTAL COST, \$2450

Bond, \$1225. Surety, Pacific Coast Casualty Co. Limit, 60 days. Forfeit, \$5. Plans and specifications filed.

ADDITION

(4237) W SHOTWELL 155 N 19th 120x

122-6. Excavations, concrete, brick, carpenter, lumber, roofing, metal, glazing, etc., for brick building addition to present building.
 Owner.....Old Homestead Bakery, 19th and Shotwell, S. F.
 Architect...Theo. W. Lenzen, Humboldt Bank Bldg., S. F.
 Contractor..Brutcher & Serna, 110 Jessie, San Francisco.
 Filed Dec. 30, '14. Dated Dec. 30, '14.
 Brick walls up ready to receive 2nd floor joists.....\$3000
 Brick wall of one-story part finished and brick walls of 2nd part ready to receive roof joists.... 3000
 Completed and accepted..... 4187
 Usual 35 days..... 3463
TOTAL COST, \$13,850

Bond, Guaranty bond in favor of owner. Sureties, J. C. Ward & Chas. A. Carillon. Limit, 65 days. Forfeit, none
 Plans and specifications filed.

BALUSTRADE
 (4238) EXPOSITION SITE. Balustrade complete in space leased by Monterey County in California Counties Bldg.
 Owner.....The County of Monterey.
 Architect...Havens & Toepke, 46 Kearny, San Francisco.
 Contractor..W. J. Black.
 Filed Dec. 30, '14. Dated Nov. 23, '14.
 On 1st and 15th of each month 75%
 Usual 35 days..... 25%
TOTAL COST, \$1100

Bond, \$550. Sureties, J. N. Nisbet and E. M. Black. Limit, Jan. 10, 1915. Forfeit, \$10. Plans and specifications filed.

TERRA COTTA WORK
 (1) N WASHINGTON 137-6 W Octavia W 137-6xN 255-4½. Architectural terra cotta for three-story and basement Class "C" residence.
 Owner.....Mary Louise Phelan.
 Architect...Chas. Peter Weeks, Mutual Bank Bldg., S. F.
 Contractor..Steiger Terra Cotta and Pottery Works, Mills Bldg., San Francisco.
 Filed Dec. 31, '14. Dated Dec. 5, '14.
 On 1st of each month..... 75%
 Usual 35 days..... 25%
TOTAL COST, \$4925
 Bond, \$2462.50. Surety, Massachusetts Bonding & Insurance Co. Limit, 42 days. Forfeit, none. Plans and specifications filed.

EXHIBITION BOOTH
 (2) EXPOSITION SITE. All work for exhibition booth in Varied Industries Building.
 Owner.....Arthur J. and Clifford M. Heineman, 130 Bush, S. F.
 Architect...None.
 Contractor..A. I. Rouda and Wm. Spivok (Spivock), 1183½ Howard, San Francisco.
 Filed Dec. 31, '14. Dated Dec. 30, '14.
 On 1st and 15th of each month 75%
 Usual 35 days..... 25%
TOTAL COST, \$1100
 Bond, \$550. Sureties, L. A. Hinson and C. S. Amsler. Limit, forfeit, none. Plans and specifications filed.

DWELLING
 (3) W FIFTEENTH AVE 250 N Balboa. Two-story and basement frame dwelling.
 Owner.....E. Ginley, 131 Fifth Ave., San Francisco.
 Architect...None.
 Day's work. **COST, \$3000**

DWELLING
 (4) W FIFTEENTH AVE 250 N Balboa. Two-story and basement frame dwelling.

Owner.....E. Ginley, 131 Fifth Ave., San Francisco.
 Architect...None.
 Day's work. **COST, \$3000**

FRAME FLATS
 (5) W TENTH AVE 25 S California. Two-story and basement frame (2) flats.
 Owner.....O. E. Anderson, 215 10th Ave., San Francisco.
 Architect...None.
 Day's work. **COST, \$4000**

FRAME DWELLING
 (6) S TWENTY-SECOND 76 W Eureka. One and one-half-story and basement frame dwelling.
 Owner.....N. J. Nelson, 4278 23d, S. F.
 Architect...None.
 Day's work. **COST, \$2000**

FRAME DWELLING
 (7) SW EUREKA AND 22ND. One and one-half-story and basement frame dwelling.
 Owner.....N. J. Nelson, 4278 23d, S. F.
 Architect...None.
 Day's work. **COST, \$2000**

FRAME DWELLING
 (8) W NAPLES 75 N Russia Ave. One and one-half-story and basement frame dwelling.
 Owner.....W. J. Kenney, 61 Prosper, San Francisco.
 Architect...None.
 Contractor..Chas. G. Anderson, 226 Duncan, San Francisco.
COST, \$1500

FRAME DWELLING
 (9) E ELEVENTH AVE 150 S Balboa. Two-story and basement frame dwlg.
 Owner.....M. C. Rensch, 1427 5th Ave., San Francisco.
 Architect...None.
 Day's work. **COST, \$3400**

FRAME FLATS
 (10) S TURK 110 W Baker. Two-story frame (2) flats.
 Owner.....W. S. Gilbert, 3987 18th, San Francisco.
 Architect...Plans by Owner.
 Day's work. **COST, \$3500**

FRAME DWELLING
 (11) E EIGHTEENTH AVE 200 N Balboa. Two-story and basement frame dwelling.
 Owner.....M. Fox, 837 Ashbury, S. F.
 Architect...None.
 Contractor, Schwarz & Fox, 353 Maple, San Francisco.
COST, \$2500

BUILDING CONSTRUCTION FOR PAST YEAR.

Records of Board of Public Works Show \$28,177,563 Invested in Building Construction During Year of 1914.

Building During Month of December Shows Fair Figures at \$717,903.

Building construction in the city and county from January 1st, 1914, to December 31st, 1914, according to the records of the City Building Department of the Board of Public Works, show a total of \$28,177,563. For this

amount there was a total of 5,907 permits issued.

Following is a complete and segregated report for the year, as compiled by the Department:

Class	No. of Bldgs.	Cost
Class "A"	11	\$ 384,800
Class "B"	7	511,900
Class "C"	157	4,495,038
Frames	1920	6,669,723
Alterations	3718	1,775,362
Exposition Bldgs.	82	9,943,577
Public Bldgs.	12	4,397,163
Total	5907	\$28,177,563

DECEMBER REPORT.

Building during the month of December, according to the report of the Department is as follows:

Class	No. of Bldgs.	Amount
Class "C"	6	\$168,000
Frames	128	438,603
Alterations	338	102,300
Public Buildings	1	9,000
Total	473	\$717,903

COMPLETION NOTICES.

San Francisco

Dec. 1, 1914—E TWENTY-FIFTH Ave 150 N Anza N 25xE 120. Elmer E Clark to J J Powers, C H Beckman, A Lettich, B Bryon, W Baldwin, Golden West Sheet Metal Wks, and Massagh & Vannucci. Dec. 1, '14
 Dec. 2, 1914—N TWENTY-NINTH 80 E Castro. H A Wittkopp to M P Kempton.....Nov. 29, 1914
 Dec. 2, 1914—NE HAIGHT AND Pierce E 25xN 100. Sam or S Hermann and J B Hermann to Farnocchia Petri Co.....Nov. 19, 1914
 Dec. 2, 1914—SE PIERCE AND BAY E 600xS 618.75. Panama-Pacific International Exposition Co to Scott Co.....Nov. 30, 1914
 Dec. 2, 1914—N UNION 190 W Webster W 25xN 137-6. Florence Davis to M M Finlayson.....Nov. 30, 1914
 Dec. 2, 1914—SE STOCKTON AND Union Square Ave. Town & Country Club to W A Goerlicke. Nov. 18, '14
 Dec. 2, 1914—E COMMONWEALTH Ave 133-4 S California S 33-4xE 120.42. Louis Gross to Wm F Yates.....Nov. 24, 1914
 Dec. 3, 1914—EXPOSITION SITE. R Bernstrom, Commissioner General of Sweden to Panama-Pacific International Exposition (leaseholder) to Lange & Bergstrom.....Nov. 25, 1915
 Dec. 3, 1914—W BATTERY 70 from SW Cor. Broadway and Battery S 67-6 W 117-6 N 67-6 E 20 N 70 E 20 S 70 E 137-6. George H and Lizzie S Mastick to Otto Krus.....Dec. 2, 1914
 Dec. 3, 1914—COMG. AT POINT 137-6 E from SE Hyde and Greenwich E 34-4½xS 137-6. Eulah M Coates to M Holm & Son.....Dec. 1, 1914
 Dec. 4, 1914—SE HYDE & GREENWICH E 100xS 63-9. Greenwich Realty Co to R de Luca. Dec. 1, 1914
 Dec. 4, 1914—W SANCHEZ 75 S 30th; No. 1716 Sanchez. Joseph O'Conner to Ward C Brown.....Dec. 2, 1914
 Dec. 4, 1914—E TWENTY-SIXTH AV 205-8 S West Clay S 26xE 120. A E or Arthur E and Berthe L Vollmer to Harry Walters. Dec. 2, 1914
 Dec. 4, 1914—S GEARY 50-0½ W Johnston Ave W 25xS 100. Wm A

- Vorrath to whom it may concernDec. 3, 1914
- Dec. 4, 1914—S PACIFIC AVE 32-6 E Walnut E 110xS 127-8½. Mrs Katharine P Hooker to Anderson & Rainey.....Nov. 25, 1914
- Dec. 4, 1914—SE PIERCE & BAY E 600xS 618.75. Panama-Pacific International Exposition Co to The Turner Co.....Nov. 30, 1914
- Dec. 5, 1914—W FOURTH AVE 25 S Irving 25x95. Hannah Clancy to D J Clancy.....Dec. 5, 1914
- Dec. 5, 1914—NE EDDY AND JONES N 137-6xS 137-6. W E Dean to Golden Gate Iron Works.....Dec. 4, 1914
- Dec. 5, 1914—E TWENTY-FIFTH Ave 200 N Anza N 25xE 120. Jacob H Thorup to whom it may concern.....Dec. 1, 1914
- Dec. 5, 1914—EXPOSITION SITE. Panama-Pacific Exposition Commission State of Wisconsin (lessee) to whom it may concern.....Dec. 4, 1914
- Dec. 5, 1914—S GROVE 228-3 W Laguna W 103xS 120. Wm J Gallagher to J Dewarte.....Dec. 5, 1914
- Dec. 5, 1914—N TWENTY-NINTH 30 W Castro W 25xN 78. Arthur T Jansson to whom it may concern.....Dec. 2, 1914
- Dec. 5, 1914—E TWENTY-FIRST Ave 275 S Lincoln Way (H) 25x120. C J Love to H E and T W MacArthur.....Dec. 3, 1914
- Dec. 5, 1914—E JANSEN 71-6 m or l N Greenwich N 33xE 50. J J Silva to Liebert & Martinelli.....Dec. 3, 1914
- Dec. 7, 1914—E CHURCH 51 N 29th 25x100. R Batti to F De Martini.....Dec. 5, 1914
- Dec. 7, 1914—E VICKSBURG 95 S 23rd S 35xE 90. John T Miller to A E Olson.....Dec. 4, 1914
- Dec. 7, 1914—SE UNION & POWELL E 124-8½ SE 19-11½ S 122-1½ W 137-6 N 137-6. Rose F Debendetti, Regina A, May L and Irene R Cuneo to Ravani Plumbing Co.....Dec. 3, 1914
- Dec. 7, 1914—GROSH HOTEL on Sutter Street. M D Grosh, E G Larzelere and Louise M Sage to Parquet Floor Co, Dec. 2, 1914; Lithoid Products CoDec. 2, 1914
- Dec. 8, 1914—NW JACKSON AND Cherry W 79-9 N 93 to S line Presidio Reservation wall NE along said line 80-0% m or l to W Cherry S 100 m or l. J Sheldon Potter to Isaac PennyDec. 3, 1914
- Dec. 8, 1914—N PACIFIC AVE 37-6 E Pierce N 127-8½xE 55. Mrs H M Holbrook to J Harold Johnson.....Nov. 24, 1914
- Dec. 8, 1914—N ALVARADO 250 W Douglass W 25xN 114. Sybilla Baader to Edwin Roller.....Nov. 15, '14
- Dec. 8, 1914—W HYDE 62-6 N Pine N 25x117-10. Herman D Hogrefe to Herman D Hogrefe.....Dec. 9, 1914
- Dec. 8, 1914—NO. 2252 BROADWAY. A B Hammond to Daniel O'Neill.....Dec. 3, 1914
- Dec. 9, 1914—S COMMERCIAL 60 E Montgomery S 59-6xE 49-9. Pacific Gas & Electric Co to Pacific Fire Extinguisher.....Dec. 2, 1914
- Dec. 9, 1914—S FELTON 35 E Harvard E 30xS 100 Blk 102 Univ Md Hd Ass'n. George Koenig to Christian Hansen.....Dec. 8, 1914
- Dec. 9, 1914—SW GREENWICH AND Larkin S 46-1½xW 70. Wm G Gilmore to Higginson Co, Inc.....Dec. 3, 1914
- Dec. 9, 1914—SW TAYLOR & EDDY W 137-6xS 137-6. Morris, Joseph and Julia Heyman, Theresa Stone, Emilie Baruch & Henry W Hyman Est to A Lynch.....Dec. 5, 1914
- Dec. 10, 1914—E POWELL 137-6 N California N 68-9xE 137-6. A W or Alexander W Wilson and Jos Martin to The Clinton Fireproofing Co of California.....Dec. 4, 1914
- Dec. 10, 1914—E POWELL 137-6 N California N 68-9xE 137-6. A W or Alexander W Wilson & Jos Martin to Paraffine Paint Co.....Dec. 4, 1914
- Dec. 10, 1914—E UTAH 150 S 24th S 25xE 100. Margaret E Mullin to Thomas F Mitchell.....Dec. 4, 1914
- Dec. 10, 1914—E BUENA VISTA TERRACE 51.5 S Duboce Ave. C G Berg to whom it may concern.....Dec. 9, 1914
- Dec. 10, 1914—W HYDE 112-6 N Pine N 25xW 117-10 2-7. Harriet H Jolliffe to whom it may concern.....Dec. 1, 1914
- Dec. 10, 1914—E SIXTEENTH AVE 72 N Lake N 28xE 67-6. Robert J McGahie to A Sarraile and S JagomarsinoDec. 10, 1914
- Dec. 10, 1914—W Bartlett 61-1 N 25th N 25xE 117-6. William A Christen to Mager Bros.....Dec. 10, 1914
- Dec. 10, 1914—N CUMBERLAND 92-6 W Guerrero 27-6x89. E P Peterson to John J Binet Co.....Dec. 10, 1914
- Dec. 10, 1914—W PARKER 331-7 N Geary N 25xW 120. Antone and Katie Radivoj to A M Wallen.....Dec. 10, 1914
- Dec. 11, 1914—NE POST & LEAVENWORTH 62-6 on Post by 87-6 on Leavenworth. Geo M Caesar to F L Hansen.....Nov. 1, 1914
- Dec. 11, 1914—NE FOURTH AVE & Cabrillo (C) 32x95. David Condon to whom it may concern.....Dec. 11, 1914
- Dec. 11, 1914—S KIRKWOOD 101 W Mendel 25x117. Albert J Milly to whom it may concern.....Nov. 28, 1914
- Dec. 11, 1914—N KIRKWOOD 50 — Mendel 25x110. Eugene Sweeney to whom it may concern.....Nov. 28, 1914
- Dec. 11, 1914—COMG. 100 W from NW Fillmore and Filbert th N 120 xW 37-6. Dante Dianda to P Maffei Bros.....Dec. 12, 1914
- Dec. 11, 1914—NE ELLIS & POWELL — 64-3 N 115 W 64-3 S to beg. The Pabst Brewing Co. of Milwaukee to J R Wilson and J T Ludlow, Co-partnersDec. 5, 1914
- Dec. 11, 1914—NW SUTTER AND Pierce W 75xN 120. S A White to Albach & Mayer, Dec. 11; N A Carlson, Dec 11; Henry Kunst.....June 11, 1914
- Dec. 11, 1914—BDED BY HUMBOLDT 23rd, Georgia & Louisiana, Potrero Nuevo Blk 464. Pacific Gas & Electric Co to Reed & White.....Dec. 8, 1914
- Dec. 12, 1914—GROSH HOTEL ON Sutter. M D Grosh, E G Larzelere and Louise M Sage to Scott Co, Dec 11; Atlas Heating & Ventilating Co, Inc.....Dec. 11, 1914
- Dec. 12, 1914—E NINETEENTH AVE 225 N Fulton N 25xE 120. Frank J and Annie Taylor to whom it may concern.....Dec. 10, 1914
- Dec. 12, 1914—E HARRISON AND Hayward NE 75xSE 75. City Elec Co to Reardon Crist Constr Co.....Dec. 11, 1914
- Dec. 12, 1914—E SANCHEZ 181-6 S 22nd S 22-6xE 100. Jos F Moss to Bay City Bldg Co, Inc.....Dec. 4, 1914
- Dec. 14, 1914—SW KIRKHAM AND 8th Ave S 95xW 32-6. C S Brundage to Cox Bros.....Dec. 14, 1914
- Dec. 15, 1914—NW STOCKTON AND Post N 137-6xW 137-6. Blanche M Burbank to C C Morehouse.....Dec. 15, 1914
- Dec. 15, 1914—SE GEARY & TAYLOR S 137-6xE 87-6. Clift Realty Co by Agent P J Walker to A P Brady.....Dec. 7, 1914
- Dec. 15, 1914—N TWENTY-FIRST 100 E Eureka E 25xN 97-6. Amelia Malmberg to whom it may concern.....Dec. 15, 1914
- Dec. 15, 1914—W JONES 65 N Broadway W 68-6xN 35. Laura S Nathan to Farnocchia-Petri Co.....Dec. 14, 1914
- Dec. 15, 1914—W THIRTIETH AVE 100 S Clement S 25xW 120. Frederick Quirie to whom it may concern.....Dec. 14, 1914
- Dec. 16, 1914—NE CABRILLO AND 46th Ave N 60xE 20. Sylvester Andriano to Guiseppe Andriano.....Dec. 12, 1914
- Dec. 16, 1914—S SACRAMENTO 87-6 W Maple W 187-6 S 132-7½ W 137-6 S 122-7½ E 412-6 N 132-7½ W 87-6 N 132-7½. Hospital for Children and Training School of Nurses to George Healing.....Dec. 14, '14
- Dec. 16, 1914—LOTS 13 AND 14 BLK 9 St. Francis Wood; comg at intersection dividing line Lots 14 and 15 Blk 9 and E line San Fernando Way N 75 deg 19 min 59 sec E 100 S along curve to right 33.93 S 80 deg 26 min 55 sec W 100 N along curve to left 25 ptn Lot 15 Blk 9, St. Francis Wood. H O Harrison to Theodore Wetzel Jr.....Dec. 7, 1914
- Dec. 16, 1914—W GUERRERO 86 S 19th S 28xW 75. John J Binet Co to Mission Realty Co.....Dec. 15, 1915
- Dec. 16, 1914—N PINE 87-6 W Sansome W 50xN 137-6. McCreery Est Co to E F Burke.....Dec. 14, 1914
- Dec. 17, 1914—S BROADWAY 183-6 W Jones W 23xS 60. Pelegro Casella to G Ferroni & Son.....Dec. 17, 1914
- Dec. 18, 1914—LOT 9 BLK 6 Amended Map Ingleside Terrace. Thos Nelson to A D Nelson.....Sept. 1, 1914
- Dec. 18, 1914—W TWENTY-THIRD Ave 215 S Ulloa S 25xW 120. John H and Isidora Claussen to John F Haner.....Dec. 8, 1914
- Dec. 18, 1914—ON CALIFORNIA ST., side of Block bded by California, Sacramento, Jones and Taylor. Grace Cathedral Corp to Beach Robinson Co.....Dec. 14, 1914
- Dec. 18, 1914—E EUREKA 150 S 18th S 103-6xE 120. Beulah Real Estate Co to A E Olson.....Dec. 16, 1914
- Dec. 19, 1914—S CLEMENT 32-6 W 16th Ave. Annie E Hooper to whom it may concern.....Dec. 18, 1914
- Dec. 19, 1914—EXPOSITION SITE. Board of Panama-Pacific Managers of the State of Massachusetts to W D Henderson.....Dec. 16, 1914
- Dec. 21, 1914—W TENTH AVE 225 S Lake. Wm L Vice to Ruegg BrosDec. 11, 1914
- Dec. 21, 1914—E DOLORES 60 S 20th S 41-6xE 30. Roderic A Troyer to A E Olson.....Dec. 19, 1914
- Dec. 21, 1914—NE FULTON AND Parker Ave E 175xN 275. The President and Board of Trustees of St. Ignatius College to Baker & Hamilton.....Dec. 15, 1914
- Dec. 21, 1914—LOT 6 BLK 8 Crocker Amazon Tract. John Bjorkman to whom it may concern.....Nov. 10, 1914
- Dec. 21, 1914—E NINETEENTH AVE 175 N Balboa N 25xE 120. Michael Costello and Bryan Feerick to whom it may concern.....Dec. 19, 1914
- Dec. 21, 1914—E TWENTY-THIRD Ave 250 S Clement S 25xE 120. B

Getz to whom it may concern.....Dec. 5, 1914
 Dec. 21, 1914—W FORTY-THIRD AVE
 285 N Fulton N 40x120. Middleton
 A Von Schmidt to whom it may
 concern.....Dec. 18, 1914
 Dec. 21, 1914—NW POST & STOCK-
 ton N 137-6xW 137-6. Blanche M
 Burbank to Continental Fireproof-
 ing Co.....Dec. 14, 1914
 Dec. 21, 1914—E HYDE, bet. Bush and
 Jefferson; E Hyde, bet. Beach and
 Jefferson. California Fruit Can-
 ners' Ass'n to Daniel L. Bienfield &
 Co.....Dec. 21, 1914
 Dec. 22, 1914—NE HYDE & FRANC-
 cisco E 45xN 137-6. Blanche H
 Patigian to J E O'Mara.....Dec. 11, 1914
 Dec. 22, 1914—E THIRD AVE 129 N
 Fulton N 25xE 120. Fannie M
 M Harney to L A Secor.....Dec. 16, 1914
 Dec. 22, 1914—E TWENTY-SIXTH
 Ave 25 N Irving N 25xE 95. Ralph
 J Button to whom it may concern
Dec. 22, 1914
 Dec. 22, 1914—SW SANSOME AND
 California. Firemen's Fund Ins
 Co to Farrell & Reed.....Dec. 17, 1914
 Dec. 22, 1914—S LAKE 32-6 W 18th
 Ave W 25xS 100. Selma S Evans
 and Rose C C Turney to Oscar E
 Evans.....Dec. 21, 1914
 Dec. 23, 1914—SE GEARY & TAYLOR
 S 137-6xE 87-6. Clift Realty Co
 to J W Bender Roofing Co, Dec. 19;
 J P Glaser & Co.....Dec. 18, 1914
 Dec. 23, 1914—NW STEINER AND
 Union N 43-6xW 78-6. Peter and
 wife Janne Ceschi to William Little
Dec. 21, 1914
 Dec. 23, 1914—N ANZA 80 E 8th Ave
 E 26-8xN 100 O L 277. James
 Gleeson to whom it may concern..
Dec. 21, 1914
 Dec. 23, 1914—NW POST & STOCK-
 ton N 137-6xW 137-6. Blanche M
 Burbank to Joost Bros.....Dec. 14, 1914
 Dec. 23, 1914—S JESSIE AND NEW
 Montgomery SW 264 SE 68 NE 261-6
 NW 68-0½. Sharon Estate Co by
 Macdonald & Kahn to The Ameri-
 can Marble & Mosaic Co of San
 Francisco.....Dec. 21, 1914
 Dec. 23, 1914—SW PALOU AVE 400
 NW Lane NW 25xSW 100 Blk 329,
 South San Francisco. J R Finocchio
 to G Anderson.....Dec. 14, 1914
 Dec. 23, 1914—E THIRTY-SECOND
 Ave 266 N Clement. Thomas Way-
 mark to whom it may concern.....
Dec. 19, 1914
 Dec. 23, 1914—NW POST & STOCK-
 ton N 137-6xW 137-6. Blanche M
 Burbank to Brode Iron Works..
Dec. 14, 1914
 Dec. 23, 1914—W CASTRO 126 S Day
 S 25xW 105. Santi Lazzarini to
 J R Demartini.....Dec. 23, 1914
 Dec. 24, 1914—NW POST & STOCK-
 ton N 137-6xW 137-6. Blanche M
 Burbank to James T Conway (as
 Western Furnace & Cornice Co)..
Dec. 13, 1914
 Dec. 24, 1914—EXPOSITION SITE.
 Iowa Commission to the P P I E
 to United Decorating Co.....Dec. 21, 1914
 Dec. 24, 1914—NW CLARENDON AVE
 150 m or 1 SW from S Carmel W
 parallel with S Carmel and along
 N line of land of Spring Valley
 Water Co 26 0% N parallel with
 E Cole 31-9 E along line drawn
 parallel with S Carmel and dist 100
 S therefrom a distance of 48 m or
 1 to NW Clarendon. Mary A Car-
 mody to W G McDiarmid.....
Dec. 24, 1914
 Dec. 24, 1914—N EIGHTEENTH 32-

1½ E Guerrero E 27-7½xN 75.
 Mattie Lee Marrs to W G McDiarmid.....Dec. 23, 1914
 Dec. 24, 1914—SW TWENTY-SECOND
 and Douglass S 76-6xW 25 ptn Lots
 1, 2, 3 Heyman Tract. Guerrero
 Realty Co to Emil Nelson.....Dec. 24, 1914
 Dec. 24, 1914—SW STEINER AND
 Greenwich S 25xW 100. R Moisio
 and G Alessio to P Prasso.....
Dec. 23, 1914
 Dec. 24, 1914—GROSH HOTEL BLDG
 on Sutter Street. M D Grosh, E G
 Larzelere and Louise M Sage to
 Bauer Fixture Co.....Dec. 22, 1914
 Dec. 24, 1914—NW POST & STOCK-
 ton N 137-6xW 137-6. Blanche M
 Burbank to Vermont Marble Co..
Dec. 14, 1914
 Dec. 24, 1914—N SACRAMENTO 60 E
 Front E 40 N 60 W 20 N 59-6 W 20
 S 119-6. Wm F Barton et al to
 A M Wallen.....Dec. 18, 1914
 Dec. 24, 1914—EXPOSITION SITE.
 The Desmond Supply Co to E W
 Elliot.....Dec. 23, 1914
 Dec. 28, 1914—S JESSIE AND NEW
 Montgomery SW 264 SE 68 NE
 261-6 NW 68-0½. Macdonald &
 Kahn to The Mohrlite Co of S F..
Dec. 28, 1914
 Dec. 28, 1914—EXPOSITION SITE.
 Philippine Board of Panama-Pacific
 International Exposition Co to
 Burnham Plumbing Co, Dec. 28;
 Strehlow, Freese & Petersen.....
Dec. 28, 1914
 Dec. 28, 1914—BLK BDED BY HUM-
 boldt, 23rd, Georgia and Louisiana
 Pacific Gas & Elec Co to Thos H
 Price.....Dec. 18, 1914
 Dec. 28, 1914—S JESSIE AND NEW
 Montgomery SW 264 SE 68 NE
 261-6 NW 68-0½. Macdonald &
 Kahn to Sartorius Co. of S F.....
Dec. 28, 1914
 Dec. 28, 1914—N TURK 171-10½ E
 Taylor E 34-4½xN 37-6. Zeller-
 bach Levison Co to California Tile
 Contracting Co.....Dec. 22, 1914
 Dec. 28, 1914—SE TONQUIN AND
 Baker W 378.48 N 471.52 S 1375 E
 421.20 E 428.80 N 1375. Panama-
 Pacific International Exposition Co
 to J D Hannah.....Dec. 19, 1914
 Dec. 28, 1914—N LINE VALLEJO ON
 third Lot W of Laguna. Emily M
 Mulligan to Steurer & Bittencamp
Dec. 24, 1914
 Dec. 28, 1914—N WASHINGTON 92-
 3½ W Taylor W 49-8½xN 60.
 Bertha M or B M Kellogg to Chas
 Marcussen.....Dec. 24, 1914
 Dec. 29, 1914—SE DE MONTFORD &
 Ashton Ave. The Roman Catholic
 Archbishop of S F to Ward & Good-
 win.....Dec. 26, 1914
 Dec. 29, 1914—NW POST & STOCK-
 ton N 137-6xW 137-6. Blanche M
 Burbank to Kiernan & O'Brien..
Dec. 21, 1914
 Dec. 29, 1914—NW POST & STOCK-
 ton N 137-6xW 137-6. Blanche M
 Burbank to California Plate &
 Window Glass Co.....Dec. 14, 1914
 Dec. 29, 1914—S GREEN 150 E Pierce
 E 25xS 109. Walter E Trefts to
 L C Woolridge.....Dec. 21, 1914
 Dec. 29, 1914—SW TAYLOR & EDDY
 W 137-6xS 137-6. Morris, Joseph
 and Julia Hyman, Theresa Stone,
 Emilie Baruch and Henry W Hy-
 man Est to A Knowles.....Dec. 24, 1914
 (Correction in Owner's Name)
 Nov. 30, 1914—SW JACKSON AND
 Mason W 57-6xS 24. Antone Sam-
 huck to A Brisa and G Volpi.....
Nov. 28, 1914

Dec. 30, 1914—E FIFTEENTH AVE 96
 N Balboa N 25xE 127-6. Jno J Doyle
 and Laura M Doyle to Jacob Weiss-
 bein.....Dec. 26, 1914
 Dec. 30, 1914—W GOUGH 127-8½ N
 Sacramento N 40xW 138-6. A W
 Wilson to Foster Vogt Co, Inc.....
Dec. 21, 1914
 Dec. 30, 1914—PTN LOTS 4 AND 5
 Blk "K" Mission Terrace. George
 H and Clarence M Moore and G E
 Burlingame to George A and Clare-
 nce M Moore and G E Burlingame
Dec. 28, 1914
 Dec. 30, 1914—S FOLSOM 80 — Lang-
 ton 25x75. F Rossi to G Carraro &
 Co.....Dec. 30, 1914
 Dec. 31, 1914—S JESSIE & NEW
 Montgomery SW 264 SE 68 NE
 261-6 NW 68-0½. Sharon Estate
 Co to Alan Macdonald & Felix
 Kahn (as Macdonald & Kahn)..
Dec. 31, 1914
 Dec. 31, 1914—LOT 96 BLK 5 Academy
 Tet. Lawrence Costello & Michael
 McDonough to whom it may con-
 cern.....Dec. 28, 1914
 Dec. 31, 1914—N O'FARRELL 82-6 E
 Powell E 55xN 137-6. A M and E
 F Turel to Ralph McLeran and C
 H Peterson (as McLeran & Peter-
 son).....Dec. 24, 1914
 Dec. 31, 1914—N BROADWAY 68-9 W
 Webster W 148-9xN 275. Jas L
 Flood to Rudgear-Merle Co.....
Dec. 21, 1914

LIENS FILED

SAN FRANCISCO COUNTY.

Dec. 7, 1914—SW NEWCOMB AVE
 225 SE Hawes SE 75xSW 100 Lot
 5 Blk 284 South San Francisco Hd
 and R R Ass'n. George Ryan vs
 Jno Hayes.....\$14.60
 Dec. 11, 1914—S CALIFORNIA 82-6
 W 25th Ave W 50xS 100. M Streeter
 vs L U Grant.....\$95
 Dec. 12, 1914—SE GEARY & LARKIN
 W 75xS 120. J S Guerin & Co vs
 P J Gartland and Paul I Karib..
\$1903.85
 Dec. 12, 1914—LOT 21 BLK 14 Crock-
 er Amazon Tract; NE Athens and
 Naples 33.74 feet front and 22.41
 rear by 100. Andrew M Christen-
 sen vs J F Haner, C W and Minnie
 Day.....\$117.55
 Dec. 12, 1914—SW SEVENTH AND
 Stevenson. J S Guerin & Co vs
 A A and J Vayssie, Robert Trost
 and J A Orford.....\$721.60
 Dec. 12, 1914—S STEVENSON AND
 7th SE 75xSW 75. Acme Plum-
 bing & Sheet Metal Co vs Antoine,
 Alexandre and Julien Vayssie and
 Robert Trost.....\$473.75
 Dec. 14, 1914—NO. 1018 CORTLAND
 Ave. Frank Horn vs John Bianchi
\$25
 Dec. 16, 1914—S CALIFORNIA 82-6
 W 25th Ave W 50xS 100. Andrew
 Wagner vs L M and Betty Shuck
 and Lincoln U Grant.....\$56
 Dec. 16, 1914—NE CABRILLO AND
 5th Ave N 25xE95. Vincenzo Fassio
 vs John McCormick and L C Wool-
 dridge.....\$30
 Dec. 18, 1914—N PAGE 100 E Fill-
 more E 44xN 155 m or 1. J H
 Kruse vs Margaret T Cary, Annie
 M Cary and Lincoln U Grant..\$471.32
 Dec. 19, 1914—N PAGE 100 E Fill-
 more E 44xN 125. Harry Gerber
 (as Pacific Plate & Window Glass
 Co) vs Margaret T and Annie Cary
 and Lincoln U Grant.....\$139

Dec. 19, 1914—W TAYLOR 100 S Sutter S 37-6xW 137-6. United Materials Co, \$524.90; Port Costa Brick Works, \$97.50 vs B J Wyman and L Gilbertsen.....\$102

Dec. 21, 1914—E NINETEENTH AVE 250 S Anza S 25xE 120. L L Allen & C L Knight (as Allen & Knight) vs Arthur G Duncan, N C and Caroline S Brown.....\$163

Dec. 22, 1914—N PAGE 100 E Fillmore E 44xN 155 m or l. Phoenix Iron & Sheet Metal Works vs Margaret T and Annie M Cary and Lincoln U Grant.....\$43.60

Dec. 22, 1914—N PAGE 100 E Fillmore E 44xN 155. Holden-Deuprey Co vs L U Grant, Mrs L U Grant, Margaret T and Annie M Cary....\$120.35

Dec. 22, 1914—W WEBSTER 81-6 S Pacific Ave W 110xS 46-2¼. N P Anderson vs Annie M Byrne....\$726.60

Dec. 22, 1914—NW MARKET AND S Sacramento E along NW Market 23-3% to W line The Embarcadero NW along The Embarcadero to int. SW Embarcadero & Sacramento W 38-5¼ S 59-9 E 45-8 S 59-9 E to beg. Frank J Klimm vs Henry Cowell Lime & Cement Co, C A and H L Day (as Thos H Day's Sons)...\$1721

Dec. 23, 1914—W TWENTY-THIRD Ave 215 S Ulloa — 25 W 100 N 25 E 120. J W Johnston and Richard Johnston vs Edgewood Land Co and Jno F Haner.....\$234.40

Dec. 23, 1914—NW MARKET AND W Embarcadero (East) N to S Commercial W along Commercial to a point 481.8 E Drumm S 59-9 E 45-8 N 59-9 ta a pt in N Sacramento dist 527-4 E Drumm E along N Sacramento to intersection with NW Market NE along Market to beg. City Slys Lots 118-119-121 and 122. Petersen-James Co vs Henry Cowell Lime & Cement Co and C A and H L Day (as Thomas H Day's Sons).....\$1419

Dec. 23, 1914—BOUNDED ON W by Illinois S 20th continued N by 19th continued, E by Bay of S. F. Frank J Klimm vs Union Iron Works, C A and H L Day (as Thos H Day's Sons).....\$533.90

Dec. 23, 1914—E STOCKTON 30 N Filbert N 25 E 95-6 S 55 W 25 N 30 W 70-6. Olson-Mahoney Lumber Co vs Antonio Loncono, Pietro Lombardi and Olive Riccomini..\$980.56

Dec. 23, 1914—E STOCKTON 30 N Filbert N 25 E 95-6 S 55 W 25 N 30 W 70-6. Mark Lally Co vs Antonio Loncono, Pietro Lombardi, Olive Riccomini and C Marchi.....\$275

Dec. 23, 1914—E STOCKTON 30 N Filbert N 25 E 95-6 S 55 W 25 N 30 W 70-6. Eureka Sash, Door & Moulding Mills vs Pietro Lombardi, Olive Riccomini and Antonio Loncono.....\$978.44

RELEASE OF LIENS

SAN FRANCISCO COUNTY.

Dec. 29, 1914—S CLEMENT 95 W 31st Ave W 25xS 100. J M Enyeart to Est Rose Amanda Hervey Stratton, Rose A Stratton, decd and Chas H Hervey, extr Est Rose Amanda Hervey Stratton, decd.....

Dec. 23, 1914—SW EVANS AVE 50 NW Alvord NW 25xSW 100. Henry

Hinrichs to Janet and Angus McLeod.....\$297.25

Dec 30, 1914—LOT 6 BLK "J" Mission Terrace. Carlo Basch as Basch Electric Co to Wilson Rogers, Amy J Rogers, Felix and Adelaide M Calmetti.....

OAKLAND AND ALAMEDA COUNTY.

RESIDENCE — 2 story and base, frame, \$4,000. Berkeley, Alameda Co., Cal. Architects Elite Planners, 1844 5th avenue, Oakland. Owner, Frank E. Hayward. The dwelling will be erected in the Thousand Oaks Tract and has been designed for a seven-room house with bath and sleeping porch. Interior will be finished in pine, redwood, hardwood and white enamel. Hardwood floors will be used in the living room, dining room and reception hall. There will be furnace heat and open fire places. Mantels will be of tile or brick. Bath room will have tile floor and wainscot. An automatic water heater will be installed. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are complete and figures are now being taken.

RESIDENCE — 2 story and base, frame, \$18,000. Piedmont, Alameda Co., Cal. Architect, Sidney B. Newsom, Nevada Bank Bldg., S. F. Owner, H. W. Harrold. The dwelling will be erected on Ashmont avenue and has been designed for a twelve-room dwelling with several baths and sleeping porch. A garage will also be erected on the property. Interior of the dwelling will be finished in pine, hardwoods and white enamel. Hardwood floors will be used in the principal rooms. There will be a central heating system, open fire places, a hot water supply and vacuum cleaning. Bath rooms will be finished in tile and equipped with showers. Exterior of the house will be covered with cement plaster on metal lath. A clay tile roof is specified. Plans are complete and figures are being taken.

RESIDENCE — 2 story and base, frame, \$10,000. Oakland, Cal. Architect, H. H. Gutterson, 80 Post street, S. F. Owner, C. M. Dutton. The dwelling will be erected in the Claremont Tract and has been designed for an eight-room holse with three baths, sleeping porch and garage. Interior of the house will be finished in pine, redwood, white enamel and hardwood. Hardwood floors will be used in the living room, dining room and library. There will be furnace heat and open fire places. Mantels will be of tile and brick. Bath rooms will have tile walls and floors. Exterior of the house will be covered with cement plaster on metal lath. Plans are now being prepared.

RESIDENCE — 2 story and base, frame, \$4,000. Berkeley, Alameda Co., Cal. Architect, James W. Plachek, Acheson Bldg., Berkeley. Owner, Frank Dutra. The dwelling will be erected on Spruce street and has been designed for a seven-room house with bath and sleeping porch. Interior finish will be of pine and redwood with some white enamel in the bed rooms. There will be furnace heat and open fire places. Mantels will be of tile or brick. Bath room will have tile floor and wainscot. An automatic water heater will be installed. Hardwood floors will be used

in the living room, dining room and reception hall. Exterior of the house will be covered with cement plaster on metal lath. Plans are complete and figures are being taken.

RESIDENCE — 2 story and base, frame, \$4,000. Berkeley, Alameda Co., Cal. Architect, none. Owner, Louis O. Hanson, 2211 Ellsworth street, Berkeley. The dwelling will be erected on the Alameda and has been designed for an eight-room house with bath and sleeping porch. Interior finish will be of pine and hardwood with white enamel in the bed rooms. There will be furnace heat and open fire places. Hardwood floors will be used in the principal rooms. Mantels will be of tile and brick. Tile floors and wainscot will be used in the bath rooms. An automatic water heater will be installed. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor. Materials are now being purchased.

RESIDENCE — 2 story and base, frame, \$4,500. Berkeley, Alameda Co., Cal. Architects, Hutchinson Bros., 470 13th street, Oakland. Owner, M. C. Vaughn. The dwelling has been designed for a seven-room house with two baths and sleeping porch. Interior finish will be of pine, redwood and hardwood veneer. Hardwood floors will be used in the living room, dining room and reception hall. Some white enamel will be used in the bed rooms. There will be furnace heat and open fire places. Mantels will be of tile. Bath rooms will have tile floors and wainscot. An automatic water heater will be installed. Exterior will be covered with rustic and cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor. Materials are now being purchased.

FACTORY—4 story and base. Class A construction, \$125,000. Oakland, Cal. Architect, Lewis P. Hobart, Crocker Bldg., S. F. Owners, Shredded Wheat Biscuit Co. Architect Lewis P. Hobart has been notified of the final approval of his plans for the four-story and basement brick and steel building to be erected by the Shredded Wheat Biscuit Co. on their Oakland property. This building will be the first unit of a large plant and has been estimated to cost \$125,000. Figures will be taken on this work starting January 2nd.

SCHOOL—1 and 3 story and base, Class A construction. Cost not stated. Oakland, Cal. Architect, J. J. Donovan, Security Bldg., Oakland. Owners, City of Oakland. This building will be known as the Clawson School, and when complete will be one of the most modern school structures in Oakland. The main portion of the building will be three stories high while two one-story wings will extend from each end of the main building. The central portion will contain eighteen class rooms, principal's offices, teachers' rooms, assembly hall and library. One wing will be devoted to the domestic science department, in connection with which will be operated a kindergarten. While the other wing will be given over to a cafeteria, kitchen, teachers' lunch rooms and storage rooms. Construction will be

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fireproof throughout with a complete steel frame, reinforced concrete walls and stairways. Plans include modern school plumbing, electric work, program clocks, steam heat, vacuum cleaning and patent panic doors. Exterior will be faced with buff tapestry brick. Plans have been completed and have received official approval. Bids are now being taken and will be opened by the Board of Education on January 19th. An official proposal appears in another column of this issue.

STORIES AND LOFTS—2 story and base, Class C construction, \$15,000. Oakland, Cal. Architect, Chester H. Miller, Dalziel Bldg., Oakland. Owner, Lewis G. Gear. The building will be erected at the corner of 23rd and Broadway, covering an area of 12 by 109 feet. Besides the stores there will be a commercial garage covering an area of 17 by 60 feet. Upper floor will be used for flats. Interior finish will be of pine throughout. Special gasoline storage tank will be used in the garage. Patent store fronts are specified. Exterior of the building will be faced with pressed brick. Plans are now being prepared.

Building Contracts Awarded.

Oakland.

No.	Owner	Contractor	Amt.
2994	McNear	Hoyt	1000
2995	Kimball	Schnebly	1500
2996	Thume	Shrader	800
2998	Dow	Allen	2000
2999	Hoyt	Lundberg	3130
3002	Larmer	Larmer	2000
3003	Hanson	Hanson	400
3004	Quigley	Quigley	400
3005	Paul	Shrader	800
3006	Hinch	Hinch	2500
3007	Hinch	Hinch	2500
3008	Morris	Handley	1500
3009	Williams	Campbell	2000
3010	De Rome	Bernhardt	1430
3011	O'Keane	Simpson	9481

REPAIRS

(2994) SW TWENTIETH AND SAN Pablo Ave., Oakland. Roof repairs. Owner..... G. W. McNear, 957 Linden, Oakland.
Architect...None.
Contractor...H. H. Hoyt, Hotel Holland, Oakland. COST, \$1000

ALTERATIONS

(2995) NO. 526 THIRTEENTH, Oakland. Alterations.

Owner.....Kimball Elec. Co., 1314 Webster, Oakland.
Architect...None.
Contractor...Schnebly, Hostrawser & Pedgrift, 6th & Jackson, Oakland. COST, \$1500

REPAIRS

(2996) NOS. 2008-10 BRUSH, Oakland. Repairs.
Owner.....Mrs. A. Thume.
Architect...None.
Contractor...J. F. Shrader, 520 16th, Oakland. COST, \$800

ALTERATIONS

(2998) NE TWENTY-FOURTH AND Harrison, Oakland. Alterations.
Owner.....E. L. Dow and Dr. W. D. Huntington, Bowser Apts., Oakland.
Architect...None.
Contractor...F. E. Allen, 468 34th, Okd. COST, \$2000

FRAME DWELLING

(2999) W PLEASANT VALLEY AVE., being NW 45 Lot 3 Bk "A" Map Piedmont Vista, Oakland. All work for two-story frame dwelling.
Owner.....W. H. Hoyt, Apt. 7, 157 Moraga Ave., Oakland.
Architect...None.
Contractor...E. Lundberg, Oakland. Filed Dec. 28, '14. Dated Dec. 21, '14.
Frame up\$730
Brown coated 800
Completed and accepted..... 800
Usual 35 days..... 800
TOTAL COST, \$3130
Bond, \$1565. Surety, Pacific Coast Casualty Co. Limit, Apr. 1, 1915. Forfeit, \$7. Plans and specifications filed.

DWELLING

(3002) S FORTY-SECOND 100 W Webster, Oakland. One-story five-room dwelling.
Owner.....Edw. Larmer, 470 Boulevard Way, Oakland.
Architect...None.
Day's work. COST, \$2000

ADDITION

(3003) NO. 9227 BIRCH, Oakland. Addition.
Owner.....H. Hanson, Premises.
Architect...None.
Day's work. COST, \$400

GARAGE

(3004) W RAND AVE 60 S Cottage, Oakland. Garage.
Owner.....Chas. E. Quigley, 771 Rand Ave., Oakland.
Architect...None.
Day's work. COST, \$400

ALTERATIONS

(3005) NO. 1517 SAN PABLO AVE., Oakland. Alterations.
Owner.....Frank H. Paul, 402 Grand Ave., Oakland.
Architect...None.
Contractor...J. F. Shrader, 520 16th, Oakland. COST, \$800

DWELLING

(3006) S RICH 295 W Webster, Oakland. One-story 5-room dwelling.
Owner.....J. T. Hinch, 1748 Broadway, Oakland.
Architect...None.
Day's work. COST, \$2500

DWELLING

(3007) S RICH 255 W Webster, Oak-

land. One-story 5-room dwelling.
Owner.....J. T. Hinch, 1748 Broad-
way, Oakland.
Architect...None.
Day's work. COST, \$2500

DWELLING
(3008) S HOPKINS 300 W 14th Ave.,
Oakland. One-story 5-room dwlg.
Owner.....Louis A. Morris.
Architect...None.
Contractor..T. S. Handley, 15 N-11th.
Richmond. COST, \$1500

DWELLING
(3009) S FIFTY-FIRST 40 W Law-
ton Ave., Oakland. One-story 5-room
dwelling.
Owner.....Edward T. Williams, 622
Apgar, Oakland.
Architect...None.
Contractor..B. G. Campbell, 194 41st,
Oakland. COST, \$2000

FOUNDRY
(3010) N FIFTY-NINTH 100 W Herzog,
Oakland. All work for one-story
galvanized iron foundry.
Owner.....Mrs. E. B. De Rome, 1076
59th, Oakland.
Architect...None.
Contractor..C. J. Anderson and John
Bernhardy, 6257 Harmon,
Oakland.
Filed Dec. 29, '14. Dated Dec. 24, '14.
Payments not given.....
TOTAL COST, \$1430
Bond, \$715. Surety, National Surety
Co. Limit, forfeit, none. Plans and
specifications filed.

FRAME STORE AND APARTMENTS
(3011) NE TAFT AND COLLEGE
Aves N 38.67 E 129 S 35 W 143.12,
Oakland. All work for two-story
frame store and apartments.
Owner.....Hugh and Mrs. Hugh
O'Keane, 797 16th, Okd.
Architect...C. W. Dickey, Central
Bank Bldg., Oakland.
Contractor..W. S. Simpson & Co., San
Leandro.
Filed Dec. 29, '14. Dated Dec. 22, '14.
2nd floor joists in place.....\$1777
Ready for lath and plaster.... 1777
Plastered 1777
Completed and accepted..... 1777
Usual 35 days.....Balance
TOTAL COST, \$9481
Bond, \$4750. Sureties, W. W. Giddings
and J. F. Carlston. Limit, 120 days.
Forfeit, none. Plans and specifications
filed.

Building Contracts Awarded.

Berkeley.

No.	Owner	Contractor	Amt.
2993	City of Bkly	Martin	672
2997	Havene	Broad	400
3000	Tiemann	Tiemann	2500
3001	Barker	Barker	1200
1	Neary	Neary	2000
2	Mendall	Durham	400
3	Hanson	Hanson	3500
4	Page	Engler	6358

REST HOUSE
(2993) N OREGON in San Pablo Park,
Berkeley. One-story three-room
rest house.
Owner.....City of Berkeley.
Architect...None.
Contractor..C. A. Martin, 1050 Keith
Ave., Oakland.
COST, \$672

(2997) E SHATTUCK 90 S Kittridge,
Berkeley. Alterations.

Owner.....J. W. Havene, — Benvenue
Ave., Berkeley.
Architect...None.
Contractor..A. H. Broad, 2117 Kitt-
ridge, Berkeley.
COST, \$400

FACTORY
(3000) NW SECOND AND HARRISON
Berkeley. Two-story 3-room factory
Owner.....Chas. S. Tiemann, Key-
stone Hotel, S. F.
Architect...None.
Day's work. COST, \$2500

DWELLING
(3001) SW BAKER AND OREGON,
Berkeley. One-story 5-room dwelling
Owner.....L. J. Barker, 2031 Dwight
way, Berkeley.
Architect...None.
Day's work. COST, \$1200

DWELLING
(1) NW WARD AND WALKER, Ber-
keley. Two-story 7-room dwelling.
Owner.....Wm. F. Neary, 122 Kemp-
ton Ave., Oakland.
Architect...None.
Day's work. COST, \$2000

GARAGE
(2) W OAK RIDGE 100 N Park Path,
Berkeley. Garage.
Owner.....John Mendall, 41 El
Camino Real, Berkeley.
Architect...None.
Contractor..J. P. Durham, 5301 Grove,
Oakland.
COST, \$400

DWELLING
(3) W THE ALAMEDA 350 S Monterey
Berkeley. Two-story 8-room dwlg.
Owner.....Louis O. Hanson, 2211
Ellsworth, Berkeley.
Architect...None.
Day's work. COST, \$3500

DWELLING AND GARAGE
(4) LOT 6 BLK 1 Map Berkeley
Heights, Berkeley. All work for two
story frame dwelling and reinforced
concrete garage.
Owner.....E. S. Page, 2429 Stuart,
Berkeley.
Architect...None.
Contractor..Louis Engler, 2721 Haste,
Berkeley.
Filed Dec. 31, '14. Dated Dec. 31, '14.
Frame up 1/4
Brown coated 1/4
Completed and accepted..... 1/4
Usual 35 days..... 1/4
TOTAL COST, \$6358
Bond, \$3179. Surety, Southwestern
Surety Insurance Co. Limit, 90 days.
Forfeit, none. Plans and specifications
filed.

Building Contracts Awarded

Alameda.

No.	Owner	Contractor	Amt.
3012	Anderson	Rockingham	1900
3013	Safety Mfg	Jansen	500

DWELLING
(3012) NO. 1534 PEARL, Alameda. One
story 5-room dwelling.
Owner.....Anna Anderson, Alameda.
Architect...None.
Contractor..J. H. Rockingham, 2306
San Jose Ave., Alameda.
COST, \$1900

ALTERATIONS
(3013) NO. 1620 BUENA VISTA AVE.,
Alameda. Alterations.
Owner.....Safety Mfg. Co., 268 Market
San Francisco.
Architect...None.
Contractor..R. N. Jansen, 1223 54th
Ave., Oakland.
COST, \$500

NOTICE OF NON-RESPONSIBILITY.

Dec. 24, 1914—SE EIGHTEENTH
and San Pablo Ave known as
Juanita Bldg. William M Hatfield
as to improvements on leased
property

COMPLETION NOTICES.

ALAMEDA COUNTY

Dec. 12, 1914—NE CHANNING WAY
and Fulton, Bkly. F B Plant to
whom it may concern....Dec. 8, 1914
Dec. 14, 1914—LOT 12 Sheet No. 2
Map Nova Piedmont, Piedmont.
Norton Ware to M P Brasch.....
.....Dec. 14, 1914
Dec. 14, 1914—LOT 24 Map Darwin
Place, Okd. Georgie D Slater to
Fred Peters.....Dec. 12, 1914
Dec. 14, 1914—LOTS 5 AND 6 and S
1/2 Lot 9 Blk "L" Map Laurel Grove
Park, Okd. John Iverson to E M
Williamson.....Dec. 10, 1914
Dec. 14, 1914—(1) S BROOKDALE
Ave 35 W Persimmon; (2) S Brook-
dale Ave 105 W Persimmon, Okd.
George Hudson to whom it may
concern.....Dec. 10, 1914
Dec. 14, 1914—LOTS 6 AND 7 Blake
Tract No. 3, Bkly. John Muldoon
and Frank M Wilson to McKibben
and Taylor.....Dec. 5, 1914
Dec. 15, 1914—LOT 37 BLK 1262 Clare-
mont Palms Tract, being W Lawton
Ave 230 S Forest, Okd. N J Metteer
to M C Vaughn.....Dec. 14, 1914
Dec. 15, 1914—LOT 5 BLK 2 Colusa
Ave Ext, Bkly. R L Holt to J J
Anderson.....Dec. 9, 1914
Dec. 16, 1914—LOT 21 BLK 5 Map
Berkeley Heights, Bkly. Russell S
Penniman Jr to Mason-McDuffie Co
.....Dec. 12, 1914
Dec. 16, 1914—W PERALTA AVE 395
S Washington S 40xW 100, Oakland
Tp. C B Seitz to Malick & Begier
.....Dec. 15, 1914
Dec. 17, 1914—S 10 LOT 9 AND PTN
Lot 8 Blk "H" Map Broadway Ter-
race, Owd. A Cederborg to Ceder-
borg & Anderson.....Dec. 1, 1914
Dec. 17, 1914—N SIXTY-SECOND
33.62 W Racine W 37-6xN 115, Okd.
Lewis G Pfrang to whom it may
concern.....Dec. 8, 1914
Dec. 17, 1914—NW MILLS 105 SE
Seminary Ave SE 33xNE 105, Okd.
Ruth A Fuller to whom it may
concern.....Dec. 16, 1914
Dec. 18, 1914—LOTS 1 AND 2 BLK
1 Map Amended Map Hopkins Ter-
race Map No. 4, Bkly. Mary F
Underhill to Junk-Riddell Invst Co
.....Dec. 17, 1914
Dec. 19, 1914—LOTS 13 AND 14 BLK
5 Map Auseon's Moss Tract, Brook-
lyn Tp. Jessie E Auseon to Flet-
cher & Newby.....Dec. 11, 1914
Dec. 19, 1914—PTN LOTS 2 AND 3
Blk 7, Claremont, Bkly. Joseph
M Park to J W Buskirk.....Dec. 18, 1914
Dec. 22, 1914—BERKELEY. H J and
Isabel Schmitz to whom it may con-
cern.....Dec. 22, 1914
Dec. 22, 1914—E LINWOOD AVE 255
S Hampel, Okd. Edgar P Seemans

to whom it may concern..Dec. 21, 1914
 Dec. 22, 1914—NE COR. FIFTIETH & Manila, being Lot 38 Map Lawton Ave Tract, except W 5, Okd. James H Young to whom it may concernDec. 22, 1914
 Dec. 23, 1914—SE COLUSA AVE AND NE Joseph Ave SE 80 NE 50 NW 79.45 SW 50, Bkly. Gertrude S Wingate to W S Montgomery.....Dec. 15, 1914
 Dec. 23, 1914—S DURANT AVE 100 E Telegraph Ave S 130xE 40, Bkly. J A Elston and George Clark to Capitol Elec Co, Wm Makin, George H Burge and Gaspard & HammondDec. 22, 1914
 Dec. 23, 1914—LOT 11 BLK 10 Map Nothbrae, Bkly. Andrew Wolfenden to Standard Bldg Co....Dec. 23, 1914
 Dec. 23, 1914—LOT 63 BLK "H" Map Broadway Terrace, Okd. Wynn Meredith to Alex McPhee..Dec. 14, 1914
 Dec. 24, 1914—PERSIMMON No. 2526, Oakland. Oakland Homes Corporation to whom it may concern....Dec. 23, 1914
 Dec. 24, 1914—LOT 12 BLK 14 Map Town of Livermore, Livermore. Court Livermore No. 77 Foresters of America to C H Rasmussen.....Dec. 19, 1914
 Dec. 24, 1914—LOT 45 Map Santa Fe Tract No. 6, Okd. J J Bennett to Chas E Ells.....Dec. 22, 1914
 Dec. 24, 1914—LOT 7 BLK 10 Adams Point Ppty Lakeside Sbdvn, Okd. F W and D C Morse to Enoch TrammalDec. 22, 1914
 Dec. 28, 1914—SE COR. E CHESTNUT and 10th S 93xE 70, Okd. E Jacobs to J W Realy.....Dec. 28, 1914
 Dec. 28, 1914—COR. ALLSTON AND Harold Ways 100x110, Bkly. Berkeley Elks Hall Ass'n to Theo Petersen.....Dec. 22, 1914
 Dec. 28, 1914—NO. 2538 PERSIMMON, Okd. Oakland Homes Corporation to whom it may concern..Dec. 28, '14
 Dec. 28, 1914—NO 2532 PERSIMMON, Okd. Oakland Homes Corporation to whom it may concern.....Dec. 28, 1914
 Dec. 28, 1914—E TELEGRAPH AND W Broadway N 108.83 NW 36.86 S 104 SE 8.70, Okd. Federal Realty Co to Giant Suction Cleaner Co....Dec. 23, 1914
 Dec. 28, 1914—SE TENTH AND Chestnut S 93xE 70, Okd. E Jacobs to F G Tayton...Dec. 28, 1914
 Dec. 29, 1914—W LA LOMA AVE 5 S Lot 9 Map La Loma Park SW 84.65 SE 50.02 NE 84.36 N 50, Bkly. Arthur W Pope to Junk-Riddell Investment Co.....Dec. 26, 1914
 Dec. 29, 1914—PART SURVEY NO. 158 Official connected Plot E--Mission of San Jose, Washington Tp. Marion L Mowry to Sorensen BrosDec. 24, 1914
 Dec. 29, 1914—W PIEDMONT AVE 200 N 41st N 55xW 125, Okd. Anna A Miller to Fletter & Winlund.....Dec. 29, 1914
 Dec. 30, 1914—SE TELEGRAPH AND Durant Aves th along E line Telegraph Ave 90xE 110, Bkly. J A Elston and George Clark to McKibben & Taylor.....Dec. 28, 1914

LIENS FILED.

ALAMEDA COUNTY.

Dec. 12, 1914 LOT 162 Map Wickham Havens Inc Map Piedmont-by-the-Lake, Okd. R F Long vs Irving C

Mickelson and John A Brunje.\$202.50
 Dec. 12, 1914—SE SAN PABLO AVE & Channing Way S 80xE 100, Bkly. John R Hodge and E S Collins (Hodge & Collins Lumber Co) vs O W and Delilah M Fowler, Oakland Bank of Savings and Realty Syndicate\$204.16
 Dec. 15, 1914—LOT 8 Map Hume Tract Piedmont. J C Thompson vs John A Gilmore\$90
 Dec. 16, 1914—E TELEGRAPH AVE & W Broadway N 108.83 NW 36.86 S 104 SE 8.70, Okd. James L Brown, Inc vs J F Carlston and A J Snyder\$12,015.73
 Dec. 17, 1914—LOT 4 BLK 9 Map Claremont, Bkly. Downey-Cavasso Glass & Paint Co vs James C Bowman, Bay Cities Bldg Co, Inc and Charles Murray\$164.80
 Dec. 17, 1914—LOT 162 Map Piedmont-by-the-Lake, Okd. J W Realy vs John A Brunje and Irving C Mickelsen\$165
 Dec. 17, 1914—S SIXTEENTH 34.6 E Magnolia E 28xS 90, Okd. G M Comstock vs Mollie Carter....\$35.50
 Dec. 17, 1914—LOTS 3 AND 4 Map Chester & Center Street Lots, Okd. G M Comstock vs Mollie & George Carter\$66.41
 Dec. 17, 1914—LOT 4 BLK 9 Map Claremont, Bkly. A K Goodmundson vs James C and Helena Kathryn Bowman and Bay Cities Bldg Co, Inc\$46
 Dec. 18, 1914—NE E-FOURTEENTH 33.4 SE Second Ave SE 33.4xNE 120, Okd. J A Larson vs Angelica Ralston\$210
 Dec. 18, 1914—LOT 162 Map Piedmont-by-the-Lake, Okd. W T Bond, \$42.50; California Metal Wks, \$60; E L Walter, \$85; Ray B Johnson (Tri City Window Shade Manufactory), \$48 vs John A Brunje, Anthony A Boehm and I Mickelson
 Dec. 18, 1914—LOT 162 Wickham Havens Inc Map Piedmont-by-the-Lake, Okd. Pacific Hardware & Steel Co vs Irving Michelsen and J A Brunje\$71.65
 Dec. 18, 1914—SE TWENTY-FIFTH & Grove S 60xE 90, Okd. Port Costa Brick Works, \$1481.40; Howard Co, \$1144.75 vs St. George Hall Ass'n and F J Klenck.....\$228.61
 Dec. 19, 1914—N ½ LOT 3 Livermore Orchard Tracts, Murry Tp. John R Hodge and E S Collins (Hodge & Collins Lumber Co) vs Vera E and W E Stansfield and M A Miller\$228.61
 Dec. 19, 1914—S CENTRAL AVE 100 W Palm W 145xS 300, Alameda. R Wiand vs William R Geary, F N Dodd, Harold Everhart and A P Johnson\$663.44
 Dec. 19, 1914—LOT 162 Map Piedmont-by-the-Lake, Okd. Sunset Lumber Co vs John A Brunje and I C Mickelsen\$64.87
 Dec. 21, 1914—LOT 4 BLK Map Claremont, Bkly. Cobbledick-Kibbe Glass Co vs J C and Helena Kathryn Bowman, Bay City Bldg Co, P H White and Chicago Bonding & Surety Co\$137.81
 Dec. 21, 1914—SE TWENTY-FIFTH & Grove S 60xE 90, Okd. John McGuigan & Co vs St. George Hall Ass'n and F J Klenck\$65
 Dec. 21, 1914—LOT 19 Snyder Tract, Bkly. Otis Elevator Co vs Cutter Laboratory and H J F Sattin....\$165
 Dec. 21, 1914—S CENTRAL AVE 100 W Palm W 145xS 300, Ala. John H

Eustice vs William R Geary, F N Dodd, Harold Everhart and A P Johnson\$36.61
 Dec. 21, 1914—LOT 4 BLK 9 Map Claremont, Bkly. John P Maxwell (Maxwell Hardware Co) vs James C Bowman and Bay City Bldg Co, Inc\$475.88
 Dec. 21, 1914—LOT 23 Map North Christiania Tract, Albany. G C Hidecker vs W A Walker.....\$38.40
 Dec. 21, 1914—SE TWENTY-FIFTH & Grove S 60xE 90, Okd. Hogan Lumber Co vs F J Klenck and G Fake\$152.31
 Dec. 22, 1914—N NINTH 63 E Brush E 37 N 75 W 25 S 25 W 12 S 50, Okd. J M Dale vs Nellie Nelson.....\$68
 Dec. 22, 1914—LOT 4 BLK 9 Map Claremont, Bkly. Andrew T Hunt vs H K and J C Bowman and G D Patterson\$65
 Dec. 23, 1914—LOT 4 BLK 9 Map Claremont, Bkly. California Standard Planing Mill vs J C and Helena Kathryn Bowman, Bay Cities Bldg Co, Inc and P H White\$307.67
 Dec. 23, 1914—LOT 4 BLK 9 Map Claremont, Bkly. H Larsen vs R Bell, Helena Kathryn Bowman, Chicago Bonding Co and John Doe\$117
 Dec. 23, 1914—LOT 4 BLK 9 Map Claremont, Bkly. Barman Bros vs Helena Kathryn Bowman and P H White\$100
 Dec. 23, 1914—SE TWENTY-FIFTH and Grove S 60xE 90, Okd. R W Bartram vs St. George's Hall Association and F J Klenck.....\$365
 Dec. 23, 1914—LOT 4 BLK 9 Map Claremont, Bkly. Dow C Golden vs J E and Helena Kathryn Bowman and J E Cook.....\$65
 Dec. 23, 1914—LOT 4 BLK 9 Map Claremont, Bkly. Inlaid Floor Co vs James C and Helena Kathryn Bowman and Bay City Bldg Co, Inc\$318.75
 Dec. 24, 1914—LOT 24 BLK "E" Lindia Vista Terrace Map No. 2, Okd. Guy Taylor vs Hite H Grove, Earl Walton, Maud O'Dell and P F Kellog\$138.79
 Dec. 24, 1914—LOTS 22 AND 23 BLK "O" Fruitvale Blvd Tract, Okd. C F Lodge and A Mikkelsen vs — Coxon and Torrence S Petersen\$200
 Dec. 28, 1914—LOT 5 BLK "J" Moss Tract, Okd. W L Newby and Fletcher & Newby vs E and E Welshoff\$301.50
 Dec. 29, 1914—NO. 3026 LINDEN, being Lot 35 Blk 670-466 Glascock Tract, Oakland. F M Reynolds vs Amy C Mitchell.....\$38
 Dec. 30, 1914—E WASHINGTON 75 N 12th N 25xE 95, Okd. S Bushman vs Jennie L, Jonathan H, Ralph H, Edith M and Rose Frances Durst and Maurice Reich and George Lievre (New York Cloak & Suit House) and M F Deach.....\$84.15
 Dec. 31, 1914—LOT 4 BLK 9 Map Claremont, Bkly. Scott Co vs H K and J C Bowman and Bay City Bldg Co\$489.07
 Dec. 31, 1914—N THIRTY-SIXTH 116 E West E 40xS120.25, Oakland. Downey-Cavasso Glass & Paint Co vs Annie Marymont and G L McConnell\$114.41
 Dec. 31, 1914—LOT 4 BLK 9 Map Claremont, Bkly. James Davis vs Helena K and J A C Bowman and Bay Cities Bldg Co.....\$14.75

RELEASE OF LIENS

ALAMEDA COUNTY.

Dec. 28, 1914—LOTS 11, 12 BLK "L"
Laurel Grove Park, Okd. E M Wil-
liamson to Amedee Matrat...\$920.68

SAN JOSE AND THE SANTA CLARA VALLEY.

RESIDENCE — 2 story and base, frame, \$7,000. San Mateo, San Mateo Co., Cal. Architects, Falch & Knoll, Hearst Bldg., S. F. Owner, E. Sedgwick. The dwelling has been designed for an eight-room house with two baths and two sleeping porches and will be erected in San Mateo Park. A separate garage will be erected. Interior of the house will be finished in pine, redwood and white enamel. The main floor will be finished in blue gum, Hardwood floors will be used in the principal rooms. There will be furnace heat and open fire places. Mantels will be of tile. Bath rooms will have tile floors and wainscot. An automatic water heater will be installed. Exterior of both the house and garage will be covered with cement plaster on metal lath. Plans are now being prepared.

ROAD IMPROVEMENT — Cost not stated. Redwood City, San Mateo Co., Cal. Engineer, County Surveyor Neuman, Redwood City. Owners, San Mateo County. County Surveyor Neuman presented plans and specifications to the Supervisors for paving the road from Colma to Edgemar, and the same have been accepted. Bids for this work will be called for immediately.

ROAD IMPROVEMENT — Cost not stated. Redwood City, San Mateo Co., Cal. Engineer, County Surveyor Neuman, Redwood City. Owners, San Mateo County. Plans and specifications prepared by the County Surveyor for 12,862 feet of roadway, being a portion of the road from Menlo Park to Portola, have been adopted by the Supervisors and bids for the work are now being called for.

TRESTLE — Timber construction. Cost not stated. Redwood City, San Mateo Co., Cal. Engineer, County Surveyor Neuman, Redwood City. Owners, San Mateo County. Plans have been prepared and received the official approval for a timber trestle which will be erected near Edgemar. Bids for this work are now being taken. Plans and specifications can be secured from the County Surveyor at Redwood City.

JAIL—1 story and base, reinforced concrete. Cost not stated. Redwood City, San Mateo Co., Cal. Architect not selected. Owners, San Mateo County. The Supervisors have recently secured a site adjoining the present court house on which a new and modern County Jail building will be erected. The property is 100 by 160 feet. Further mention will be made of the work when an architect is selected.

BUILDING CONTRACTS

SANTA CLARA COUNTY.

COTTAGE

ELEVENTH near Margaret St., San Jose. Six-room cottage.

BUILDING AND ENGINEERING NEWS

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Owner.....W. E. Roberts, 372 S-15th St., San Jose.
Architect...None.
Contractor..Wm. Regel, 357 S-15th St., San Jose. COST, \$2309

GARAGE

NO. 200 N-FIFTH ST., San Jose. Garage.
Owner.....J. N. Valine, Premises.
Architect...None.
Day's work. COST, \$5000

BUSINESS ROOM

RIVER AND SANTA CLARA STS., San Jose. One-story business room.
Owner.....Geo. A. Prindiville, 54 N-River, San Jose.
Architect...None.
Day's work. COST, \$500

STATION

FIRST AND KEYS STS., San Jose. Filling station.
Owner.....Shell Oil Co., 343 Sansome St., San Francisco.
Architect...None.
Day's work. COST, \$600

COTTAGE

SEVENTEENTH near Julian St., San Jose. Five-room cottage.
Owner.....W. L. O. Curry.
Architect...None.
Contractor..A. L. Compton, 547 N-17th St., San Jose. COST, \$1987

BUILDING CONTRACTS

SAN MATEO COUNTY.

MARBLE WORK FOR RESIDENCE

CAROLANDS, Hillsborough. Marble work for three-story and basement reinforced concrete residence.
Owner.....Harriett Pullman Carolan, Hillsborough.
Architect...Willis Polk & Co., Hobart Bldg., San Francisco.
Contractor..American Marble & Mosaic Co., 25 Columbus Sq., San Francisco.

Filed Dec. 18, '14. Dated Dec. 17, '14.
On 15th of each month..... 75%
Usual 35 days..... 25%

TOTAL COST, \$19,000

Bond, \$9,500. Surety, Hartford Accident & Indemnity Co. Limit, April 15, 1915. Forfeit, \$15 per day. Specifications only filed.

FURNISHING AND INSTALLING THE refrigerating system and boxes on above.

Contractor..H. W. Johns-Manville Co., 2nd and Howard, S. F.
Filed Dec. 24, '15. Dated Dec. 3, '14.

Payments same as above.....

TOTAL COST, \$2697

Bond, \$1350. Surety, United States Guarantee Co. Limit, April 1, 1915. Forfeit, \$5. Specifications only filed.

BRICK STORES

LINDEN AVE AND ALLEY between Grand and Baden Aves., South San Francisco. All work for one-story brick building (3 stores.)

Owner.....E. E. Cunningham and Marianna G. Martin, South San Francisco.
Architect...Havens & Toepke, 46 Kearny, San Francisco.

Contractor..Jones & Brunner, South San Francisco.
Filed Dec. 18, '14. Dated Dec. 14, '14.

Brick walls up, etc.....\$1605

Roof on and plastering finished 1605
When completed 1612
Usual 35 days..... 1625

TOTAL COST, \$6447

Bond, \$3300. Surety, Hartford Accident & Indemnity Co. Limit, 60 days. Forfeit, none. Plans and specifications filed.

RESIDENCE

LOT 12-A BLK 26, Lyon & Hoag Sbdvn of Town of Burlingame. All work for residence.

Owner.....Edna Elliott, Burlingame.
Architect...Hugh O. Elliott, Burlingame.

Contractor..Hugh O. Elliott, Burlingame.

Filed Dec. 22, '14. Dated Dec. 18, '14.
On 15th of each month..... 75%
Usual 35 days..... 25%

TOTAL COST, \$2600

Bond, none. Limit, 90 days. Forfeit, \$1 per day. Plans and specifications filed.

PLASTERING WORK

ATHERTON. Exterior and interior plastering work in Residence, garage, pump house and Pergola Columns.

Owner.....Jacob Stern, Atherton, Cal.
Architect...Bliss & Faville, Balboa Bldg., San Francisco.

Contractor..James F. Smith, Monadnock Bldg., S. F.

Filed Dec. 24, '14. Dated Dec. 9, '14.
75% of work done and material furnished on 1st of every month until completed\$3225

36 days after, 25 %..... 1075

TOTAL COST, \$4300

Bond, \$2150. Surety, The Aetna Accident & Liability Co. Limit, March 30, 1915. Forfeit, \$10 per day. Plans and specifications filed.

PLUMBING WORK

ATHERTON. Plumbing in residence, garage and sewer between garage and residence.

Owner.....Jacob Stern, Atherton, Cal.
Architect...Bliss & Faville, Balboa Bldg., San Francisco.

Contractor..William T. Casey, Menlo Park.

Filed Dec. 24, '14. Dated Dec. 10, '14.
75% of work done and materials furnished on 1st of each month until finished\$2100

36 days after, 25%..... 700

TOTAL COST, \$2800

Bond, \$1400. Sureties, John Mac Bain and Dennie O'Keefe. Limit, March 30, 1915. Forfeit, \$10 per day. Plans and specifications filed.

COMPLETION NOTICES

SAN MATEO COUNTY.

RECORDED

Dec. 19, 1914—LOT 7 BLK 5, Burlingame Park No. 2. Edith A Wisker to W B Eaton..Nov. 20, 1914

Dec. 19, 1914—LOT 5 AND ½ LOT 4 Blk 63, 7th Add'n, Easton. L G Dodge to William Livingston & CoDec. 17, 1914

Dec. 24, 1914—HIGHLAND AVE, Burlingame Lot 6 Blk 10, Burlingame. J H Hatch to W S Leadley.....

.....Dec. 14, 1914

Dec. 29, 1914—CAROLANDS, Hillsborough. Harriett Pullman Carolan to Clinton Fireproofing Co.....

.....Dec. 14, 1914

MARIN, CONTRA COSTA AND SONOMA COUNTIES.

MUNICIPAL WHARF—Reinforced concrete, \$257,710. Richmond, Contra Costa Co., Cal. Engineers, Haviland & Tibbetts, Alaska Commercial Bldg., S. F. Owners, City of Richmond. Five sets of figures were received by the City Council for constructing the large reinforced concrete wharf to be known as Municipal Wharf No. 11. Healy-Tibbetts Construction Co., of San Francisco submitted the lowest figure at \$257,710. Bids were taken under advisement by the Council. A complete list of the figures received will be found under the heading of Marin, Contra Costa and Sonoma Counties in this issue.

HOTEL AND STORES—4 story and base, reinforced concrete, \$75,000. Fairfield, Solano Co., Cal. Architect, Henry C. Smith, Humboldt Bank Bldg., S. F. Owners, Fairfield Hotel Co. The building will be erected on a corner lot and will cover a large ground area. Besides the main office and hotel lobby there will be six stores on the first floor. Upper floors will contain a large number of guest rooms and baths. Interior will be finished in pine throughout. Tile floor and wainscot will be used in the baths. There will be steam heat, elevator service and a hot water supply. Marble and tile will be used in the stores and lobby. Exterior of the building will be faced with cement plaster. Plans are being prepared.

MUNICIPAL WHARF—Reinforced concrete construction, \$257,710. Richmond, Contra Costa Co., Cal. Engineers, Haviland & Tibbetts, Alaska Commercial Bldg., S. F. Owners, City of Richmond. Mayor E. J. Garrard of the City of Richmond has recommended that action in the matter of an award of contract for the big reinforced concrete Municipal Wharf, on which Healy-Tibbetts Co. were low, be postponed until a more complete investigation of this type of construction can be made. The mayor takes the stand that an expenditure of \$257,710 for a structure which would more than fill the city's requirements for a long time is unnecessary, and he suggests that the advisability of changing the type of construction from reinforced concrete to creosoted pile and timber be considered. Such a change, it is stated, would result in a very material decrease in the cost of construction. Definite action will be taken at Monday night's meeting of the City Council.

SCHOOL—1 story, frame. Cost not stated. Sebastopol, Sonoma Co., Cal. Architect, E. L. Norberg, Bank Bldg., Burlingame. Owners, Sebastopol School District. The building has been designed for a district school and will contain two class rooms. There will be a warm air system of heating and modern school plumbing. Composition black boards are specified. Interior will be finished in pine throughout. Exterior of the building will be covered with shiplap and rustic. Plans are now being prepared.

Contracts Awarded.

SEWER CONSTRUCTION—Cost not stated. Richmond, Contra Costa Co., Cal. Engineer, City Engineer, Richmond. Owners, City of Richmond. The City Council has been notified that the

contract for constructing sewers in Pullman avenue has been assigned to Fred Meyers by the former contractor, T. Clinch.

Very Close Figures On Richmond Wharf.

Five Firms Submit Bids For Big Concrete Wharf at Richmond. Healy-Tibbetts Construction Company Low Bidder.

Bids were opened Monday evening by the Richmond City Council for constructing Municipal Wharf No. 11, a large reinforced concrete structure designed by Engineers Haviland & Tibbetts, Alaska Commercial Bldg. Five bids were received, the lowest coming from Healy Tibbetts Constr. Co. for \$257,710.

Bids were referred to the City Attorney who will report on the matter of an award on Wednesday evening.

A sixth bid was presented at the Council Chamber just two minutes after eight, the official time for receiving bids being eight o'clock, and was rejected.

Bids were taken on the work as follows:

PROPOSITION A. BEARING PILES

No. 1 approximately 40,600 lineal feet of reinforced concrete piles.

No. 2 approximately 20,500 lineal feet of piles with reinforced concrete section to lowest point in concrete.

No. 2-b approximately 22,300 lineal feet of uncreosoted piles.

PROP. B. BEARING CYLINDERS.

No. 1 reinforced concrete cylinder piers, approximately 2,580 feet.

No. 2-a reinforced concrete section to lowest point in concrete.

No. 2-b timber section including lengths of uncreosoted timber piles imbedded in the concrete cap.

C. Sheet Piles—Reinforced concrete sheet piles, approximately 26,000 lineal feet.

SUPERSTRUCTURE.

Prop. 1. Construct superstructure of wharf with roadway in the wharf shed of creosoted Douglas fir wood blocks.

Prop. 2. Construct superstructure of wharf with roadway in the wharf shed constructed of Ohio wood blocks.

Following is a complete list of the bids received for the above described work:

McLeran & Peterson—Prop. A, Bearing piles No. 1, \$1.50; No. 2-a, \$2.20; No. 2-b, .30. Prop. B, Bearing Cylinders, No. 1, \$.90. No. 2-a —; No. 2-b, .45; C, \$1.70. Superstructure, Prop. 1, \$149,200; Prop. 2, \$149,200. **Total, \$277,520.**

San Francisco Bridge Co., Prop. A, Bearing Piles, No. 1, \$1.39; No. 2-a, \$2.40; No. 2-b, .16%. Prop. B, Bearing Cylinders, No. 1, \$4.40; No. 2-a, \$5.62; No. 2-b, \$2.8; C, \$1.77. Superstructure, Prop. 1, \$162,900; Prop. 2, \$162,200. **Total, \$277,000.**

Pacific Construction Co., Prop. A, Bearing Piles, No. 1, \$1.52; No. 2-a, \$2.44; No. 2-b, \$2.5. Prop. B, Bearing Cylinders, No. 1, \$12; No. 2-a, \$10; No. 2-b, \$30; C, \$1.82. Superstructure, Prop. 1, \$131,414; Prop. 2 (\$130,644 written), \$131,414. **Total, \$271,406.**

Guthrie-McDougall Co., Prop. A, Bearing Piles, No. 1, \$1.70; No. 2-a, \$1.85; No. 2-b, \$4.0. Prop. C, Bearing Cylinders, No. 1, \$14; No. 2-a, \$11.50; No. 2-b, \$2.40; C, \$1.70. Superstructure, Prop. 1, \$130,000; Prop. 2, \$130,750. **Total, \$280,000.**

Healy-Tibbetts Constr. Co., Prop. A, Bearing Piles, No. 1, \$1.25; No. 2-a, \$1.95; No. 2-b, \$2.0. Prop. B, Bearing Cylinders, Prop. No. 1, \$7.00; No. 2-a, \$10; No. 2-b, \$25; C, \$1.45. Superstructure, Prop. 1, \$150,904; Prop. 2, \$151,200. **Total, \$257,710.**

BUILDING CONTRACTS

MARIN COUNTY.

FRAME RESIDENCE

BELVEDERE, Marin County. All work for two-story frame residence.

Owner.....F. F. Chamberlin, 660 Market, San Francisco.

Architect...Edward G. Bolles, 660 Market, San Francisco.

Contractor...T. E. Mohler, 255 8th Ave., San Francisco.

Filed Dec. 22, '14. Dated Dec. 17, '14.

Roof on	\$464
1st oor joists on.....	464
When plastered	464
Standing finish on.....	464
When completed	464
Usual 35 days.....	780

TOTAL COST, \$3100

Bond, \$1550. Sureties, J. H. McCallum and E. O. Benner. Limit, forfeit, none. Plans and specifications filed.

BUILDING CONTRACTS.

CONTRA COSTA COUNTY.

STORAGE TANKS

IN OR NEAR TOWN OF MARTINEZ and formerly known as Cutler and Frazer Tracts of land. Furnishing and erecting ten 55,000 barrel oil storage tanks complete.

Owner.....Shell Co. of California, Inc. Architect...None.

Contractor...Lacy Manufacturing Co. Filed Dec. 24, '14. Dated Dec. 16, '14.

50% upon arrival of at the spur tract of First Party at place near Martinez, on a tonnage basis;

25%

Within 10 days after completion of such tank, and within 10 days after written notice from contractor and 25% after completion and acceptance.....

TOTAL COST, \$138,470

Bond, \$69,235. Surety, Hartford Accident & Indemnity Co. Limit, Complete work May 21, 1915. Forfeit, none. Plans and specifications filed.

COMPLETION NOTICES

MARIN COUNTY.

RECORDED ACCEPTED
Dec. 29, 1914—SAN RAFAEL. B R

Philpott to L L Jessup and B Kessler

Dec. 28, 1914—SAN RAFAEL. Frank Stadelman to H H Jepsen. Dec. 23, '14

LIENS FILED.

MARIN COUNTY.

RECORDED AMOUNT
Dec. 28, 1914—SAUSALITO, Marin Co.

Louis Lambretti vs Christine Wind

.....\$225
Dec. 23, 1914—SAUSALITO. Duncan's
Mills Land & Lumber Co vs Samuel
Black\$90.21

LIENS FILED.

CONTRA COSTA COUNTY.

RECORDED AMOUNT
Dec. 21, 1914—LOT NO. 10 OF SW ¼
of S 10 T 1 S R 2 W Mt. Diablo
Base and Meridan near Moraga
Valley. John W Bailey and Andrew
Bailey vs C L Perkins.....\$61

RELEASE OF LIENS

CONTRA COSTA COUNTY.

RECORDED AMOUNT
Dec. 21, 1914—LOTS 1, 2, 3 BLK 31
Map of the Town of Antioch.
Hutchinson Co to S H McKellips..
.....\$585.41

**FRESNO, MODESTO STANISLAUS
AND CENTRAL CALIFORNIA.**

BRIDGE—Reinforced concrete, \$4,-
000. Fresno, Fresno Co., Cal. Engi-
neer, City Engineer, Fresno. Owners,
City of Fresno. Bids for the proposed
concrete bridge over Dry Creek at Van
Ness avenue were opened by the City
Council. Figures were submitted on
the alternate plan. The bid of Thomp-
son Bros. was the lowest on the plan
of R. L. Felchlian, being \$3,640, while
the bid of G. R. Shannon, \$3,882, was
the lowest on the plan of the City En-
gineer. Both bids were referred to
the street committee who will make
a report.

FACTORY—1 story, reinforced con-
crete, \$15,000. Fresno, Fresno Co., Cal.
Architect, none. Owners, H. H. Backer
and John Grummett, Fresno. Backer &
Grummett, who have been manufactur-
ing in a small way concrete prod-
ucts, have informed the Chamber of
Commerce of Fresno that they will
erect a concrete factory building at
the corner of California and East ave-
nues. The plant will cost approxi-
mately \$15,000. Machinery has been
ordered and will be on the ground
within the next few days. The prin-
cipal product of the new plant will
be concrete sewer pipe.

ROAD CONSTRUCTION—Cost not
stated. Visalia, Tulare Co., Cal. En-
gineer, County Surveyor, Visalia. Own-
ers, Tulare County. The Board of Su-
pervisors of Tulare County is adver-
tising for bids for the construction of
two new mountain roads, one from
Badger to Eshom and the other from
Badger to the Sand Creek road to
General Grant Park. Plans and speci-
fications may be obtained from the of-
fice of the County Surveyor.

RAILROAD STATION—1 and 2
story, frame and concrete, \$25,000. Vi-
salia, Tulare Co., Cal. Architect, En-
gineering Department Southern Pacific
Co., Flood Bldg., S. F. Owners, South-
ern Pacific Co. The State Railroad
Commission has instructed the South-
ern Pacific Co. to prepare plans for a
new passenger and freight depot to be
erected in Visalia, and has fixed the
amount to be spent in construction at
\$25,000. These buildings will be de-
signed in the Mission style. Further
mention will be made of this work
when plans are out for figures.

PERRY WATER SYSTEM—Cost
not stated. Lone Star School District,
Fresno Co., Cal. Architect, none.
Owners, Lone Star School District. The
Board of Trustees of the Lone Star
School District will receive bids up to
and including 10 a. m. of January 9th
for furnishing and installing a Perry
water system in accordance with plans
and specifications in the hands of the
Clerk of said Board, J. M. O'Brien,
Fresno R. F. D., No. 6, Box 161.

SCHOOL HEATING SYSTEM—Cost
not stated. Bakersfield, Kern Co., Cal.
Architect, O. L. Clark, Brower Bldg.,
Bakersfield. Owners, Bakersfield
School District. Plans have been com-
pleted and are now out for figures for
furnishing and installing a heating
system in the old portion of the Emer-
son School. Plans and complete par-
ticulars can be secured from the archi-
tect. Bids will be opened on January
8th.

DRAINAGE DITCHES—\$12,000. Mo-
desto, Stanislaus Co., Cal. Engineer,
Chief Engineer Modesto Irrigation
District, Modesto. Owners, Modesto
Irrigation District. Bids for the con-
struction of the Curtis and Sproul
drainage ditches for the Modesto Irri-
gation District were opened by the
directors of the district, but no awards
were made pending a further consid-
eration of the offers. There were eight
bids submitted as follows: E. K.
Finney of Modesto proposed to do the
work with the use of vitrified pipe
where necessary for \$12,560.10; and
using concrete pipe for the Curtis
ditch and vitrified pipe for the Sproul
ditch for \$12,464.10. Hards Bros. of
Sacramento proposed to do only the
earth work on the Curtis ditch; J. D.
Niman of Turlock, the earth work on
both ditches; J. M. Anderson of Tur-
lock, cement pipe for both ditches; W.
H. Fosdick, Jr., vitrified pipe for the
Sproul; Way Bros. of Modesto, vitrified
or cement pipe for both ditches; J. M.
Bomberger, earth work on 1½ miles of
the Curtis ditch; Frank C. McIntyre of
Stockton, vitrified pipe for Sproul
ditch. The only competition offered
Finney's bid was the combination of
the bids of Way Bros. on pipe work,
and Hards Bros. on the earth work;
the total of the two proposals being
\$12,605.10, this figure being greater
than either of the proposals of Finney.
All bids save those of Way Bros.,
Hards Bros., and Finney were reject-
ed by the directors. The bids were
taken under advisement until January
2nd, on which date the directors will
hold a meeting and make an award
of the contract.

THEATRE AND STORES—2 story
and base, brick and steel, \$18,000. Mo-
desto, Stanislaus Co., Cal. Architect,
Charles C. Frye, 20 Montgomery street,
S. F. Owners represented by G. H.
Umbsen Co., S. F. The building will be
erected at the corner of 10th and J
streets, and has been mentioned here
before. Plans have been called in for
revision and new figures will be taken
at once. The theatre portion will be
enlarged and one of the stores elim-
inated. Exterior will be faced with
pressed brick. Revised plans are
complete and new figures are now be-
ing taken.

STREET PAVING—Cost not stated.
Fresno, Fresno Co., Cal. Engineer,
City Engineer, Fresno. Owners, City
of Fresno. A resolution for the pav-

ing of K street has been passed by the
City Council after protests of property
owners were overruled. Bids will soon
be called for on this work.

Contracts Awarded.

FIRE HOUSE ALTERATION—
Frame construction. Cost not stated.
Madera, Madera Co., Cal. Architect,
none. Owners, City of Madera. Con-
tractor, Edward Lane, Madera. Con-
tract price not stated.

SCHOOL HEATING AND VENTI-
LATING—\$4,148. Fresno, Fresno Co.,
Cal. Architect's name not given. Own-
ers, City of Fresno. Contractor, Rob-
ert Dalziel, Jr., 218 First street, S. F.
Contract price, \$4,148. Three other
bids were submitted as follows: J. C.
Hurley, S. F., \$4,455; Scott & Co., S. F.,
\$4,898; Kutner-Goldstein Co., Fresno,
\$5,708.

STREET PAVING—\$90,494. Tulare,
Tulare Co., Cal. Engineer, City Engi-
neer, Tulare. Owners, City of Tulare.
Contractors, Federal Construction Co.,
Redwood City. Contract price, \$90,494.

FIRE HYDRANTS—\$875. Fresno,
Fresno Co., Cal. Engineer, City Engi-
neer, Fresno. Owners, City of Fresno.
Contractor, Ben Hunt, 1118 Yosemite
street, Fresno. Contract price, \$875.

**SACRAMENTO, STOCKTON AND
NORTHERN CALIFORNIA.**

UNDERGRADE CROSSING—\$11,000.
Roseville, Placer Co., Cal. Engineer,
State Highway Commission, Forum
Bldg., Sacramento. Owners, State of
California. The State Railroad Com-
mission has authorized an undergrade
crossing beneath the Southern Pacific
tracks near Roseville, Placer County.
The cost of construction up to \$11,000
will be divided equally between the
Highway Commission and the Southern
Pacific, and the expense in excess of
\$11,000, three-quarters will be borne
by the Highway Commission and one-
quarter by the railroad company.

FIRE ALARM SYSTEM—Cost not
stated. Sacramento, Cal. Engineer,
City Engineer, Sacramento. Owners,
City of Sacramento. Chas. A. Bliss,
City Commissioner, has announced he
will renew his efforts in securing a
street intersection fire alarm system
in the business section of the city.
Several accidents have occurred lately
through the fault of pedestrians not
hearing the bells of the fire companies.

HIGHWAY CONSTRUCTION—Cost
not stated. Folsom, Sacramento Co.,
Cal. Engineer, County Surveyor, Sac-
ramento. Owners, Sacramento County.
Plans are complete and figures are be-
ing received for constructing a high-
way between Folsom and Orangevale.
Plans and complete particulars can be
secured from the County Surveyor at
Sacramento. Bids will be opened on
January 5th.

BUILDING CONTRACTS

SACRAMENTO COUNTY.

PAVE STREET

P ST. to N line of T St. on 15th St.,
Sacramento. Pave street from S
property line.

Owner.....Pacific Gas & Electric Co.
Architect...None.
Contractor..Clark & Henery Constr.
Company.

Filed Dec. 22, '14. Dated Dec. 15, '14.
COST, \$2000

LIENS FILED.**SACRAMENTO COUNTY.**

Dec. 24, 1914—7867 GOETHE ADD'N
No. 78, Sacramento. E J Brickell
vs J W Sturdevant.....\$71

NOTICE OF NON-LIABILITY.**SACRAMENTO COUNTY.**

Dec. 24, 1914—MOUND RANCH Ptn of
Geo W Lock & Sons. George W
Locke & Son as to improvements
on leased property.....

LIENS FILED**SACRAMENTO COUNTY.**

RECORDED AMOUNT
Dec. 24, 1914—S 10 FEET LOT 1, S.
T 6th and 7th Sts., Sacramento.
Peter Leoni vs George Simi...\$498.10

LOS ANGELES AND SOUTHERN CALIFORNIA.

BUNGALOW COURT—24, 1 story, frame, \$20,000. Los Angeles, Cal. Architect, C. A. Truesdell, Jr., I. W. Hellman Bldg., L. A. Owner's name withheld. These bungalows will each contain four rooms and bath and will be erected on property near the State Normal School. The ground area to be covered is 180 by 320 feet and will be improved by gardens and terraces. Interior finish of the bungalows will be of pine and redwood. Hardwood floors will be used in the living and dining rooms. All bungalows will be equipped with wall beds. Bath rooms will have tile wainscot and composition floors. Automatic water heaters will be installed. Exterior of the group will be covered with cement plaster on metal lath. Plans are now being prepared.

RESIDENCE—2 story, attic and base, hollow tile. Cost not stated. Coronado Beach, San Diego Co., Cal. Architect, Elmer Grey, Wright and Callender Bldg., L. A. Owner, Gale Thompson, Chicago. The dwelling has been designed for a sixteen-room house with three baths and will be erected on Adela avenue. A garage and stable will also be erected on the property. Interior of the dwelling will be finished in pine and hardwoods with white enamel in the bed rooms. Hardwood floors will be used throughout. Plans provide for furnace heat and open fire places. Mantels will be of tile and brick. Bath rooms will be finished in tile and equipped with showers. A hot water system will be installed. Exterior of the dwelling will be covered with brick veneer and cement plaster. Plans are complete and figures are being taken.

IRRIGATION SYSTEM—\$100,000. Santa Paula, Ventura Co., Cal. Engineer, A. C. Hardison, Santa Paula. Owners, Pleasant Valley Lemon Co., Santa Paula. The Pleasant Valley Lemon Company will construct an irrigation system costing \$750,000 and a cement distributing system to cost \$75,000 at Santa Paula. The work will be started immediately. The system is to serve 1,050 acres in Pleasant Valley, ten miles east of Oxnard and one mile north of Somis. The officers of the company are Judge S. B. Kingsbury,

president, Charles Donlan, A. F. Maulhardt, R. F. Lacy, R. S. Vaile, J. C. Daly and A. C. Hardison, the latter serving also as directing engineer.

BRIDGES AND CULVERTS—Reinforced concrete. Cost not stated. Santa Barbara, Santa Barbara Co., Cal. Engineers, Haviland Tibbetts, Alaska Commercial Bldg., S. F. Owners, Santa Barbara County. Plans are being prepared for a number of small reinforced concrete highway bridges and several concrete culverts which will be erected by Santa Barbara County along its county highway system. Only preliminary studies have been made and further mention will be made of the work. The same firm of engineers has been appointed consulting engineers by the Santa Barbara County Supervisors to co-operate with County Surveyor Frank Flournoy of Santa Barbara in the design of a large reinforced concrete and steel highway bridge to be erected on the State Highway in Santa Barbara County. Several smaller concrete structures will also be erected by the county along the line of the State Highway.

RAILROAD CONSTRUCTION—\$400,000. San Bernardino, San Bernardino Co., Cal. Engineer's name not given. Owners, California Southern Railroad Co. Backed by Los Angeles capital, work will be started about February 1st on a railroad to connect Blythe in the Palo Verde Valley with Blythe Junction on the Santa Fe, a distance of forty miles. The estimated cost of the road is placed at \$400,000, and equipped at \$1,000,000. Trained railroad men, including J. M. Noeland, organizer and builder of the Pan-American Railroad, and C. H. Beggs, formerly vice-president and general manager of the Frisco system, are backing the enterprise. John R. Grant, a Canadian capitalist, now resident of this city, is also interested. Incorporation papers have already been taken out under the name of the California Southern Railroad Co., with \$400,000 capital stock, of which \$44,000 is paid up.

BRIDGE AND PROTECTION WORK—Steel and concrete, \$30,000. Glendale, Los Angeles Co., Cal. Engineer, City Engineer, Glendale. Owners, City of Glendale. Mesmer & Rice, Marsh-Strong Bldg., L. A., were the lowest bidders at \$28,200 for the construction of a steel girder bridge and protection work over Verdugo Wash on Canada boulevard. The bridge will be seventy-two feet in length and will have concrete floor and abutments. The work will also include the protection of 4,400 lineal feet of channel by driving piles. The other bids received for the work were as follows: W. B. Kyle, New Call Bldg., S. F., \$29,230; Mercereau Bridge and Construction Co., \$21,500 for the bridge and \$8,420 for the protection work; and Security Construction Co., 38th and Alameda, L. A., \$27,230 for the bridge and \$13,650 for the protection work. The bids were referred to the City Engineer.

HOTEL—4 story and base, brick and steel, \$25,000. Los Angeles, Cal. Architect, none. Owner, Lawrence Holmes, Majestic Apts., L. A. The building will be erected in the rear of a two-story hotel structure now occupying the site at the southwest corner of 3rd and Hope streets. The new portion has been designed to contain

a total of 54 rooms, each with private bath and wall bed. Interior finish will be of pine and hardwood. Bath rooms will be finished in tile and will have composition floors. Plans provide for steam heat, elevator service and a hot water supply. Exterior of the building will be faced with pressed brick trimmed with terra cotta. Plans are complete and figures are now being taken.

SCHOOL ADDITION—1 story, brick and concrete. Cost not stated. Glendale, Los Angeles Co., Cal. Architect, C. S. Westlake, 1458 Oak street, Glendale. Owners, Third Street School District. This addition will consist of four rooms. Interior will be finished in pine and hardwood. The present system of heating will be extended to the new portion. There will be plumbing and electric work. Exterior of the building will be faced with cement plaster. Plans are complete and figures are now being taken. Bids will be opened on January 7th.

STORES AND THEATRE—2 story and base, brick and steel. Cost not stated. Long Beach, Los Angeles Co., Cal. Architect, Irving J. Gill, 913 South Figueroa street, L. A. Owner, Homer Laughlin, Jr. The building will be erected at the corner of 4th and Pine streets, covering an area of 80 by 150 feet. There will be several stores besides the theatre on the first floor. Interior finish will be of pine with some ornamental plaster in the theatre. Special ventilating and sheet metal work is specified. Exterior of the building will be faced with pressed brick. Plans are now being prepared.

OFFICES AND GARAGE—1 story and base, reinforced concrete. Cost not stated. Whittier, Los Angeles Co., Cal. Architects, Rea & Garstang, Black Bldg., L. A. Owners, Murphy Oil Co. The building has been designed to contain the general offices of the oil company with provision in the rear for the company's garage. Construction will be fireproof. Interior will be finished in pine throughout. Exterior will be faced with cement plaster. Plans are now being prepared.

PORTLAND AND OREGON

RESIDENCE—2½ story and base, brick, \$20,000. Portland, Ore. Architects, Root & Kerr, Henry Bldg., Portland. Owner, Louis Rasenblatt. The dwelling has been designed for a twelve-room house with three baths and will be erected at the corner of 21st and Myrtle streets. A garage will be erected on the rear of the property. Interior of the house will be finished in pine, redwood and hardwoods with some white enamel in the bed rooms. There will be furnace heat and open fire places, a vacuum cleaning system and hot water supply. Bath rooms will be finished in tile and equipped with showers. Mantels will be of tile and brick. Exterior of the house will be faced with pressed brick. Plans are now being prepared.

RECLAMATION WORK—\$10,000,000. Salem, Ore. Engineers, United States Reclamation Service and State Engineer John H. Lewis. Owners, United States Government. Plans and estimates of cost of irrigating 200,000 acres of land in the upper Deschutes River basin are embraced in a report to be issued by John T. Whistler and F. G. Hopson, of the Federal Reclama-

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tion Service, and State Engineer John H. Lewis. The land can be reclaimed in four units, and all of them must look for their water supply to two reservoirs, one to be located on the Deschutes River at Benham Falls and the other at Crane Prairie. The estimated cost of the first reservoir is \$991,000, and that for the second \$152,000. The north unit embraces 99,300 acres and will cost \$5,519,000. The west side unit consists of 20,325 acres which adjoins the Tumalo project, and will cost \$831,500. In the east side unit there are 36,000 acres, and the total cost will exceed \$1,000,000. The south side unit embraces 48,460 acres, and the cost is estimated at \$2,929,000. The State and the United States Reclamation Service are co-operating in the preparation of plans and estimates of the cost of a number of projects.

SEATTLE AND WASHINGTON

TIDEWATER WATERWAY—\$350,000. Tacoma, Wash. Engineer, D. B. Roben, Tacoma. Owners, Hylebo Creek Diking District. The present commissioners of the Hylebo Diking District have been reelected and the proposition of constructing a waterway from tidewater to Julia's Gulch a distance of about 2 miles at a cost of \$350,000, endorsed. The commissioners who will have the work in charge will be Chester Thorne, I. N. Hague and John Buffelton. The waterway will be 400 feet wide from deep water to 11th street, and 300 feet wide from there to the end of the project. Earth from the waterway will be used to fill 1,300 acres of tide lands. D. E. Roben of Tacoma is the engineer who is now engaged in preparing the plans.

HOSPITAL ADDITIONS—3 story and base, reinforced concrete, \$75,000. Vancouver, B. C. Architect, A. Arthur Cox, Carter-Cotton Bldg., Vancouver. Owners, City of Vancouver. These additions will consist of an operating ward and a maternity ward and will be erected adjoining the present building at 12th and Willow streets. Construction will be fireproof. Interior will be finished in pine and white enamel. A large amount of tile work is specified. Exterior will be faced with cement plaster. Plans are complete and figures will be called for at once.

HOTEL—7 story and base, reinforced concrete, \$100,000. Olympia, Wash. Architect, V. W. Voorhees, Eitel Bldg., Seattle. Owners, Olympia Hotel Co. The building will be erected at the corner of Sixth and Franklin streets, covering an area of 120 by 120 feet. Ground floor will be arranged for a large office, lobby, main

dining room and a number of private dining rooms. Upper floors will contain 140 guest rooms with seventy baths. Interior finish will be of pine, redwood and hardwood. Bath rooms will have tile floors and wainscot. Plans provide for two electric elevators, steam heat, a hot water supply and vacuum cleaning. A tile floor will be used in the lobby. Exterior of the building will be faced with pressed brick and terra cotta. Plans are nearly complete and figures will be called for early in February.

APARTMENT HOUSE—5 story and base, steel and reinforced concrete, \$85,000. Seattle, Wash. Architects, Bebb & Gould, Denny Bldg., Seattle. Owners, Fischer Building Co., Seattle. The building will be in the nature of an addition to the present four-story building and will cover an area of 60 by 108 feet. There will be a complete steel frame, reinforced concrete walls and floors. Interior will be arranged for a number of studios and two, three and four room living apartments. Interiors will be finished in pine and hardwood with some white enamel. Hardwood floors will be used in the principal rooms. There will be elevator service, a vacuum cleaning plant, steam heat and hot water supply. All bath rooms will be finished in tile. Wall beds are specified. Exterior of both the old portion and the new will be faced with white glazed terra cotta. Plans are complete and figures are now being taken.

MOTION PICTURE STUDIOS—Concrete and frame construction, \$350,000. Renton, Wash. Architect, W. H. Milner, Arcade Bldg., Seattle. Owners, Puget Sound Film Co. Plans have been completed for the construction of the first unit of studios for the Puget Sound Film Developing Co. at Renton. The first unit will consist of the main studio and shops. These will be of steel, concrete and glass and fireproof construction. The huge glass studios will be 70 by 120 feet, adjoining which will be the carpenter shop, humidors for storage of films and the chemists' shops. The building operations will probably extend over a period of three years, before the entire projects are completed, and will represent probably from \$350,000 to \$500,000 in building work alone. S. C. Coombs, Arcade Bldg., Seattle, has the contract.

Contracts Awarded.

HIGHWAY CONSTRUCTION—\$30,866. Seattle, Wash. Engineer, City Engineer, Seattle. Owners, City of Seattle. Contractor, W. W. Wilcox, Sunnydale, Contract price, \$30,866.

\$500 PRIZE FOR "MADE IN THE U. S. A." TRADE-MARK.

The idea is springing up in various localities to adopt a "Made in the U. S. A." trade-mark, not only to meet the requirements of some foreign countries in regard to the marking of imported goods, but for the further purpose of impressing upon our own people, some of whom buy foreign products simply because they are "imported," that American-made goods are fully the equal of any we have been getting abroad. In adopting this idea the Detroit Board of Commerce hopes to inaugurate something of a national movement, and for this purpose it is offering a prize of \$500 for the best design for such a mark. This design, which must conform to the regulations contained in the U. S. Trade-mark laws, is to include the words "Made in Detroit, U. S. A.," but must be national in its character and such that it can be appropriately adopted by any other city, and the space occupied by the name of the city must be so arranged that any other city may be easily substituted.

After the selection of the design it is the intention of the Detroit Board of Commerce to offer it to other boards, National Association of Manufacturers and other similar associations, with a view to making the movement national in its scope and to induce manufacturers to adopt a uniform design that shall represent the entire country.

This prize competition will close on February 25th and all artists desiring to enter can obtain copies of the rules of the contest by addressing the Chairman of the Made in America Committee, Detroit Board of Commerce, Detroit, Mich.—Scientific American.

RAND MINES' EXHIBIT AT SAN FRANCISCO.

[Consul Edwin N. Gunsaulus, Johannesburg, Union of South Africa, October 7.]

The executive committee of the Transvaal Chamber of Mines has provided for the representation of the chamber at the Panama-Pacific Exposition in San Francisco during the coming year. It is intended to exhibit an obelisk and two spheres representing the Transvaal gold output as compared with that of the rest of the world, and also a model of a modern surface plant on the Rand. A number of stereoscopic views of work on the gold mines and typical specimens of

banket (pudding-stone) will also be on display.

THE FUEL VALUE OF WOOD.

The fuel value of two pounds of wood is roughly equivalent to that of one pound of coal. This is given as the result of certain calculations now being made in the forest service laboratory, which show also about how many cords of certain kinds of wood are required to obtain an amount of heat equal to that in a ton of coal.

Certain kinds of wood, such as hickory, oak, beech, birch, hard maple, ash, elm, locust, longleaf pine, and cherry, have fairly high heat values, and only one cord of seasoned wood of these species is required to equal one ton of good coal.

It takes a cord and a half of shortleaf pine, hemlock, red gum, Douglas fir, sycamore, and soft maple to equal a ton of coal, and two cords of cedar, redwood, poplar, catalpa, Norway pine, cypress, basswood, spruce, and white pine.

Equal weights of dry, non-resinous woods, however, are said to have practically the same heat value regardless of species, and as a consequence it can be stated as a general proposition that the heavier the wood the more heat to the cord. Weight for weight, however, there is a very little difference between various species; the average heat for all that have been calculated is 4,600 calories, or heat units, per kilogram. A kilogram of resin will develop 9,400 heat units, or about twice the average for wood. As a consequence, resinous woods have a greater heat value per pound than non-resinous woods, and this increased value varies, of course, with the resin content.

The available heat value of a cord of wood depends on many different factors. It has a relation not only to the amount of resin it contains but to the amount of moisture present. Furthermore, cords vary as to the amount of solid wood they contain, even when they are of the standard dimension and occupy 128 cubic feet of space. A certain proportion of this space is made up of air spaces between the sticks, and this air space may be considerable in a cord made of twisted, crooked, and knotty sticks. Out of the 128 cubic feet, a fair average of solid wood is about 80 cubic feet.

It is pointed out, however, that heat value is not the only test of usefulness in fuel wood and since 95 per cent of all wood used for fuel is consumed for domestic purposes, largely in farm houses, such factors as rapidity of burning and ease of lighting are important. Each section of the country has its favored woods and these are said to be, in general, the right ones to use. Hickory, of the non-resinous woods, has the highest fuel value per unit volume of wood, and has other advantages. It burns evenly, and, as housewives say, holds the heat. The oaks come next, followed by beech, birch, and maple. Pine has a relatively low heat value per unit volume, but has other advantages. It ignites readily and gives out a quick hot flame, but one that soon dies down. This makes it a favorite with rural housekeepers as a summer wood, because it is particularly adapted for hot days in the kitchen.

The fuel qualities of chestnut adapt it particularly to work in brass foundries, where it gives just the required amount of heat and it is therefore in favor. Coastwise vessels in Florida pay twice as much for Florida buttonwood as for any other, because it burns with an even heat and with a minimum amount of smoke and ash.

The principal disadvantage of the resinous pines is their oily black smoke.

DOUGLAS FIR PRINCIPALLY USED IN HAWAII.

The lumber bought on Puget Sound for Hawaii is almost all Douglas fir, but is known in the Territory as Oregon pine and is sometimes called Northwestern pine. Nearly all of it is No. 1 merchantable grade and is graded and sold under the certificate of the Pacific Lumber Inspection Bureau. Small quantities of rough clears are also included in some of the orders. In October, 1914, the base price on rough Douglas fir varied from \$24.50 to \$28 per thousand feet, according to the size of the order, credit demanded, and other factors. In other years the base price has been as high as \$32.50.

LOW MAN FOR STORE HOUSE FOR THE MILITIA.

Robert Trost submitted the lowest figure for constructing the one-story reinforced concrete store house at Fort Winfield Scott, designed for use by the Coast Defense Militia. His figure was \$2,577 and he will probably be awarded the contract. Plans for this building were prepared by the Constructing Quartermaster's Office at Fort Mason.

WORKS BOARD OVERRULES STREET PROTEST.

The Board of Public Works has overruled the protests of property owners and residents against the improvement of 19th avenue between Judah and Noreiga streets, and have recommended to the Board of Supervisors that an ordinance be adopted ordering the improvement.

ANOTHER ELECTRIC SIGN FOR MARKET STREET.

The United States Rubber Company, 50 Fremont street, has filed application with the Building Bureau of the Works Board for a permit to construct a large electric sign on the Douglass Building at 908 Market street. The sign will be constructed of wood and galvanized iron and will cost about \$3,000. The Federal Electric Sign System, 257 Elghth street, has the contract.

HARD SURFACE ROADS.

In a bulletin the department of agriculture points out that of more than 2,200,000 miles of roads in the United States only about 200,000 miles have been given a hard surface. It is true, of course, that a large part of the remaining mileage consists of roads that are entirely unimproved, and that on roads of this class the drag is practically useless. There is a much larger mileage, however, that has been partially improved, and it is on roads of this character that have been crowned or drained, but have not got a hard

surface, that the use of the drag is advocated.

FOUNDATION LOADS.

Standard foundation loads adopted by the Bridge Department of the National Transcontinental Railway allow 4 to 6 tons per square foot for clay in thick beds, always dry; on clay, moderately dry, 2 to 4 tons; on gravel and coarse sand, well cemented, 8 to 10 tons; on compact, well-cemented sand, 4 to 6 tons; on clean dry sand, 2 to 4 tons. Average pile loads of from 15 to 20 tons each are permitted. Piles are driven to an average penetration of 1 inch in the last few blows of a 2,000 pound hammer falling 25 feet. This gives a calculated safe bearing load of 25 tons.

Complaint has been filed with the Board of Public Works against the building located at 274 Chattanooga street. The complainant states that the building is out of plumb and may cause serious damage. The matter is now in the hands of the Building Department.

HARDWOOD CANAL SHIPMENTS.

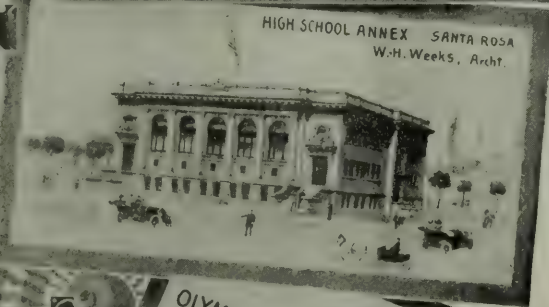
The Luckenbach S. S. wharf presents a very busy scene these days. The Steamer "Pleiades" has just arrived from New York and New Orleans via the Panama Canal and is discharging a large cargo, a considerable part of which is hardwood lumber. White Brothers, the pioneer hardwood house in this City, have a large shipment on this vessel consisting of Quartered White Oak and Southern Red Gum. On the "Peter H. Crowell" of the Sudden & Christenson line, which arrived the early part of December, White Brothers had a much larger shipment than that on the "Pleiades," the stock from one shipper alone making an entire trainload. This shipment achieved quite a lot of notice in the Eastern magazines, being the first entire trainload of hardwood to be shipped through the Canal. This trainload involved the outlay of a very considerable amount of money and the comments of the Eastern press were both general and favorable.

Another shipment which is coming through the Canal for White Brothers is that on the "Montoso" also of the Sudden & Christenson line. This shipment consists of 93,000 feet of Clear Honduras Mahogany from New York and is a record shipment in this wood. In addition to this, the "Montoso" is also bringing for White Brothers a considerable amount of extra high grade large sized Lignum Vitae logs. This latter wood has been quite scarce of late as the Central American sources of supply have been unable to furnish the best logs. The grade of this material known as "special engineering wood" is far superior to the ordinary Lignum Vitae grown on the west coast of Mexico and Central America.

White Brothers are taking full advantage of the new international waterway in stocking up in preparation for the expected boom of the Exposition Year.

COPARTNERSHIP.

Max Davis, Emil G. Schonwasser as Davis-Schonwasser Co.



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WITH
SIMPLEX
WINDOWS

THE FOOLS' TOWER.

Vienna's "Fools' tower" was remarkable for its extraordinary collection of strange instruments and fetters used in the treatment of the insane of past ages. There was a curious machine in which unruly maniacs were swung until they were in a state of stupefaction and therefore quiet. And the same idea caused the invention of a wheel that revolved like that in a modern squirrel cage. There was a narrow upright box called an "English coffin," from which the patient could look out, but could not move. When it was built in 1794 the "Fools' tower" marked a great change for the better in the housing of the insane. From 200 to 250 patients occupied its 139 cells.

UNITED STATES CIVIL SERVICE EXAMINATION.

SANITARY ENGINEER, MALE (\$2500)

February 2, 1915.

The United States Civil Service Commission announces an open competitive examination for sanitary engineer, for men only. From the register of eligibles resulting from this examination certification will be made to fill a vacancy in this position in the Public Health Service for duty in the field, at a salary of \$2,500 a year, and vacancies as they may occur in positions requiring similar qualifications, unless it is found to be in the interest of the service to fill any vacancy by reinstatement, transfer, or promotion.

The duties of this position will be to make studies of public health matters involving engineering problems, to advise in respect to purification of water supplies, sewage disposal, rat-proofing construction and drainage, and to prepare plans and specifications for such projects.

Competitors will not be assembled for examination, but will be rated on the following subjects, which will have the relative weights indicated:

Subjects.	Weights.
1. Education	40
2. Experience	40
3. Publications	20

Total

Graduation from a college or university of recognized standing, such instruction to have included full courses in sanitary engineering, and at least four years' subsequent laboratory and field experience in sanitary engineering, including experience in antimalarial work, are prerequisites for consideration for this position.

Apply to U. S. Civil Service Board, Post Office Bldg., San Francisco.

GOVERNMENT SUPPLIES FOR BRITISH HONDURAS.

The Bureau of Foreign and Domestic Commerce has received from Commercial Agent Garrard Harris a copy of the British Honduras Gazette of November 7, giving a list of the Government supplies for 1915, for which tenders are invited. These supplies include meat, flour, corn, corn meal, vegetables, groceries, dry goods, ironmongery and hardware, hollow ware, paints, oils, and various sundries. The copy of this publication will be loaned on request by the Bureau.

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CABINET MAKERS.

Hunter, R. J., expert cabinet maker, 2156 Telegraph Ave., dealer in mahogany, antique and all kinds of furniture; repairs and polishing; Telephone Oakland 3735.....	
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OAKLAND, ANTIOCH & EASTERN RAILWAY

Time Table.

Effective January 3, 1915.

LEAVE KEY ROUTE FERRY.

Leave	Daily except as noted.
7:20A	Sacramento, Woodland, Dixon, Pittsburg, Bay Point, Parlor Observation Car through to Chico, Oroville, Gridley, Colusa, Marysville.
8:00A	Concord, Walnut Creek, Diablo, Lafayette and Way.
9:00A	Sacramento and Pittsburg only. Carries Parlor Observation Car.
11:00A	Sacramento, Dixon, Pittsburg, Bay Point.
11:20A	Sacramento, Dixon, Pittsburg, Bay Point and Way Stations.
1:00P	Sacramento, Dixon, Pittsburg, Bay Point.
3:00P	Sacramento, Dixon, Pittsburg, Bay Point.
4:00P	Concord, Diablo and Way Stations.
4:40P	Sacramento, Dixon Jct. and West Pittsburg only stops. Marysville, Colusa, Oroville and Chico. Observation Car.
5:15P	Pittsburg, Concord, Diablo and Way Stations, except Sundays and Holidays.
6:00P	Pittsburg and Way Stations.
8:00P	Sacramento, Dixon, Pittsburg and Way Stations.

Oakland, Antioch & Eastern Railway.

Key Route Ferry, Phone Sutter 2339.
Red Line Trans. Co., S. F. People's Express Co., Oakland.

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Schafer, Fred (House and Fresco Painter) 1458 Green, Phone Park 1197, Shop, 111 Franklin, San Francisco.....	
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Official Roster of Stockholders & Members General Contractors' Association.

Phone Sutter 3580

110 JESSIE ST.

President, Chas. Wright. Treasurer, Chas. W. Gompertz.
Vice-Pres., A. H. Bergstrom. Secretary, Wm. E. Hague.

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Bookkeeper C. S. Dorrel
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Johanson, J. Eric
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Klyce, Harvey A.
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Owsley, Burt T.
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Rednall, W. W.
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Reite, J. B.
Roland, F.
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Sauer, Adam
Saywell, Sylvester
Schulz, J. E.
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Siller Brothers
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Eureka Wire & Iron Works
Hillard & Co., C. J.
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Kell Iron Works
Leutholdt & Co., M.
Monarch Iron Works
Michel & Pfeffer
Sartorius Co.
Palatina Iron Works
St. Francis Orn. Iron Works
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Vulcan Iron Wks.
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Clark & Sons, N.
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Berger Mfg. Co.

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O'Brien, J. J.
Olson, Andrew
Owsley, Burt T.
Peterson & Pers- son

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Binner Theodore
Larson, O. F.
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Nugent, Robinson

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Boiler & Pipe Cov- ering.

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Lewis, W. S.
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Lloyd & Spengler
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Meherin & Son, Mark M.

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Schweinhard, G. W.

Webster Co., Per- cy V.

Brick Contractors

Anderson & Rai- ney
Alexander, Robt.

Beagle, S. A.
Buckley, Jos.
Collin, Jean
Drake, H. L.
Finnila, M. A.
Gilbertsen, L.
Hogberg & Lud- wig
John, F. A.
Koldenstrodt, F.
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Cal. Pottery Co.
Carnegie Brick & Pottery Co.
City Supply Co.
Clark & Sons, N.
Diamond Brick Co.
Tile Co.
Gladding - Mc- Bean Co.
McNear Brick Agency
Steiger Terra Cotta & Pottery Wks
United Materials Co.
Western Develop- ment Syndicate
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Builders

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Keuffel & Esser Co.

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Daily Pacific Bullder

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Cal. Bldg. Mate- rial Co.
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City Supply Co.
Carnegie Brick & and Company.
Cowell Lime and Cement Co., H.
Diamond Brick Co.
Dwan Co., J. E.
Falls Mfg. Co.
Fuller & Co., W.P.
Gladding - Mc- Bean Co.
Gross Co., Felix
Guerin & Co., J. S.
Hollaway Exp. Metal Lath Co.
Holmes Distrib- uting Co.
Johns - Manville Co., H. W.
Jorgensen & Co., C.
Kinnear Mfg. Co.
Lennon Co., J. E.
Levy, Robt. S.
Mapes, Sanford N.
Meyer, Adolph
Pac. Bldg. Mate- rials Co.
Pac. Portland Ce- ment Co.
Paraffine Paint Co.
Parrott & Co.
Roman Co., C.
Ryan, George S.
F. Lime Co.
Shannon, M. T.
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Stoner, O. W.
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Western Lime & Cement Co.
Whittier - Coburn Co.
Woods & Hud- dart

Card File Co.

Architects' Card File Co.

Cement Dealers.

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City Supply Co.
Cowell Lime & Cement Co.
Dwan & Co., J. E.
Guerin & Co., J. S.
Lennon Co., J. E.
Lalley & Thurston Co.
Meyer, Adolph
Pacific Portland Cement Co.
Standard Portland Cement Co.
Waterhouse & Price Co.
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Clawson Co., L. E.
Dresser - McDon- nell Co.
Hughes, H. J.

Clay Products.

Cal Brick Co.

Cold Storage Insu- lation

Van Fleet, M. V.

Concrete Contrac- tors.

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Amorsen Co. A & T
Barrett & Hilt
Bluxome & Co.
Camp & Carrillon
Chase, S. A.
Crescent Concrete Co.
Daniel & Schott
Dillon, H.
Edminster Bros.
Foster Co., W.
Gnecco, M. H.
Hansen & John- son.
Haun, C. C. W.
Hurley, P.
Leonard, J. P.
McCabe & Brown
McClenahan & Co., T. W.
Miller, Louis
Mission Concrete & Mosaic Wks.
Moroncelli, John
Nilson & Arras
New Era Marble & Concrete Co.
Nugent, Robinson
Rasmussen, A.
Riboni, Henry
Schlosser, Max
Schmidt & Son, J.
Spargo, John
Thomas & Sands
Westerlund, J. V.
Zimmerman, L. M.

Concrete Machy.

Bacon & Co., E. R.
Road Machy. Co.
Lansing Co.
Livermore Co., Norman B.

Contractors' Equipment.

Bacon & Co., E. R.
Blaisdell Mchy. Co.
Compressed Air & Gen. Mchy. Co.
Lansing Co.
Mapes, Sanford N.
Orenstein - Ar- thur Koppel Co.

Cornice Works.

Amsler Sheet Metal Works
Appman Cornice Works.
Atlas Heating & Ventilating Co.
Capitol Sheet Metal Works
Conlin & Roberts.
Crown Cornice Works
Cronan, Wm.

Elite Sheet Metal Works
Guilfooy Cor. Wks.
Comyns & Nygren
Forderer Cornice Works
G. & M. Sheet Metal Works.
Hibernia Sheet Metal Works
Hughes, H. J.
Ideal Cornice Co.
Korell & Co., J. A.
Modern Sheet Metal Works
Morrison & Co.
U. S. Metal Prod- ucts Co.
Western Furnace & Cornice Co.
S. F. Metal Stamp & Corr. Co.

Crude Oil Burners

Bill & Jacobsen
Fess System Co.
Johnson Co., S. T.

Crushed Rock.

Bay Devel. Co.
Cal. Building Ma- terial Co.
Cassarretto, John
City Supply Co.
McMullin, A. L.
Simon-Fout Brick Co.
Star Contracting Company.
Standard Crushed Rock Co.
Stone Co., E. B. & A. L.
Western Develop- ment Syndicate

Damp Proofing.

Brickley, P. J.
Fox, John L.
Keene Co., R. E. G.
Reagle & Jamel- son
Taylor, L. A.
Whittier - Coburn Company.

Door Opener and Closer.

Rischmuller, Geo.

Electric Fixtures.

City Electric Co.
Gas & Elec. App. Co.
Pac. Gas & Elec. Company.

Electric Wiring & Equipment.

American Elect. Eng. Co.
Central Elec. Co.
Decker Electrical Construction Co.
Farnsworth Elec- trical Works.
General Electric Constr. Co.
Globe Electric Works
Hicks & Folte
Kirsten, W. H.
Lauder, H. I.
Manhattan Elec- tric Co.
National Electric Co.
Newberry - Bend- helm Elec. Co.
Peters, Gus. J.
Rex Electric Con- struction Co.
Ridley, A. E. R.
Rochdale Elec. Co.
Schmitschek, M.
Turner Co., The
Vitt Elec. Co.
Weidenthal & Gos- liner Elec. Co.
Weid Electric Co.

Elevator Builders.

Otis Elevator Co.
S. F. Elevator Co.
Van Emon Eleva- tor Co.

Estimator.

Dillon, H.

Morser, E. J.
 Peterson, P. O.
 Priddle, Arthur
 Walker, J. M.
 Church

Floors, Composition.

Artolith Mfg. Co.
 Bender R. & P. Co.,
 J. W.
 Dwan Co., J. E.
 Fibrestone &
 Roofing Co.
 Flaherty R. & P.
 Co., R. H.
 Malott & Peterson

Floors, Hardwood

Hardwood Int. Co.
 Inlaid Floor Co.
 Pac. Floor Sand-
 ing Co.

Galvanized Iron.

Baker & Hamil-
 ton
 Berger Mfg. Co.
 Gas Fixture,
 Day Co., Thomas

Gas Heating Sys- tems.

Reactor System
 Gas Heating Co

Gasoline Tanks & Pumps.

Brown, F. R.
 Blaisdell Mch'y. Co.

Glass & Glazing.

Cal. Plate & Win-
 dow Glass Co.
 Friedman Bros.
 Fuller Co., W. P.
 Grosslicht & Din-
 niene
 Habenicht &
 Howlett
 Mission Plate &
 Window Glass
 Co.
 Pioneer Plate &
 Window Glass
 Co.
 Schwarz & Gott-
 lieb

Grading.

Branick, J. P.
 Carlin Bros.
 Cassaretto, John
 Davincenzi & Co.,
 L.
 Dillon Teaming
 Co.
 Federal Transfer
 Co.
 Giorgi Co., G.
 Hartnett J. D.
 Harbor View
 Contract Co.
 Hule Co., E. M.
 Lennon Co., J. E.
 Leffler, Fred
 McGlinchey &
 Monohan
 Montague Co., P.
 O'Day Co., Dan'l
 O'Donnell, Philip
 Powers, Chas. J.
 Hibley Grading &
 Teaming Co.
 Star Con. Co.
 Wright Co., J. H.

Granite Curbing.

Graham Granite
 Co.
 Lead Granite Co.,
 W.
 Pacific Granite Co.
 Tronoff, John

Gravel.

Bay Devel. Co.
 Cal. Building Ma-
 terial Co.
 Cassaretto, John
 City Supply Co.
 Standard Crushed
 Rock Co.
 Star Contracting
 Company
 Stone Co., E. B. &
 A. L.

Hardwood Deal- ers.

Inlaid Floor Co.
 Hardwood Inter-
 ior Co.
 Union Floor Co.

Wood Lumber Co.,
 E. K.

Hd'ware, Dealers.

Baker & Hamil-
 ton
 Bennett Bros.
 Kruse, J. H.
 Joost Bros.
 Meyer, Adolph
 Norman & Sons,
 F. G.
 Palace Hd'ware Co.
 S. F. Hd'ware Co.
 Smith Co., P. A.

Heating & Vent- ilating.

Atlas Heating &
 Ventilating Co.
 Klerman & O'Brien
 Hurley Co., J. C.
 Lawson, Herman
 Looney Co., J.
 Mangrum & Otter
 Snook & Co.,
 Fred W.
 Torrid Zone Fur-
 nace Co.
 Turner Co., The
 Wilson, Robt. M.

House Movers & Raisers.

Hatch, H. L.
 Pearson, N. H.
 Sullivan, D. J. & T.

Hoisting Engi- neer.

Le Clair, S. D.

Inlaid Floors.

Hardwood Inter-
 ior Co.
 Inlaid Floor Co.
 Pac. Floor Sand-
 ing Co.

Interlocking Tile Blocks.

California Deni-
 son Block Co.

Iron Foundry.

Stelger & Kerr,
 Stove & Found-
 ry Co.

Iron & Steel.

Baker & Hamil-
 ton
 Dawson & Noyes
 Judson Mfg. Co.
 Pacific Coast Steel
 Company.
 Trussed Concrete
 Steel Company.
 Woods & Huddart

Iron Works.

Brode Iron Wks.
 Dyer Bros.
 Eureka Wire &
 Iron Wks.
 Golden Gate Iron
 Works

Hillard Co., C. J.
 Kell Iron Works

Michel & Pfeffer
 Monarch Iron
 Works

Pacific Iron Wks.
 Pacific Structural
 Iron Works.

Ralston Iron
 Works

S. F. Iron Works

Sartorius Co.

Schraeder's Iron
 Works

Stelger & Kerr
 Stove & Found-
 ry Co.

Vulcan Iron Wks.
 West Coast Wire
 & Iron Works

Western Iron
 Works

Joint Hangers &
 Post Caps.

Falls Mfg. Co.

Pac. Bldg. Mate-
 rials Co.

Roman Co., C.

Waterhouse &
 Price Co.

Western Bldrs.
 Supply Co.

Lathers, Wood &
 Metal.

Balzke, Robt.

Edwards, C. H.

Hayden, Fred

Kaiser, Jos.

McAbee, E. T.

Raymond, Wm. H.

Snell, Ralph L.

Lighting Fixtures
 Day Co., Thomas
 Mohillite Co.

Lime & Plaster Dealers.

Arden Plaster Co.
 Cal. Lime & Hy-
 drate Co.
 Cowell Lime &
 Cement Co.
 Guerin & Co., J. S.
 Lennon Co., J. E.
 Pacific Portland
 Cement Co.
 Western Lime &
 Cement Co.

Lumber Dealers.

Acme Lumber Co.
 Christenson Lum-
 ber Co.
 Columbia Lumber
 Co.
 Doe Co., Frank P.
 Excelsior Red-
 wood Co.
 Hardy Lumber Co.
 Hart-Wood Lum-
 ber Co.
 Hauptman Lum-
 ber Co.
 Kruse Co., J. H.
 Hooper Lumber Co.
 Higgins Lumber
 Co., J. E.
 Loop Lumber Co.
 MacDonald Lum-
 ber Co.
 Moore Mill and
 Lumber Co.
 Oakley, —
 Olson — Mahony
 Lumber Co.
 Peterson, E. T.
 Pope & Talbot
 Reinhart Mill &
 Lumber Co.
 Ryan, George

Santa Clara Val-
 ley Mill & Lum-
 ber Co.

Santa Fe Lumber
 Co.

S. F. Lumber Co.

Schouten & Co., J.
 W.

Sunset Lumber Co.

Tierman & Beronio

Van Arsdale-Har-
 ris Lumber Co.

Wilson Bros. & Co.

Wood Lumber Co.
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Wright, Jr., Wm.

Magnesite Floor- ing.

Artolith Mfg. Co.
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Flaherty R. & P. Co.
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Goodmanson, A. K.

Malott & Peter-
 son

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Peerless Agencies
 Co.

Marble and Mosaic Work.

General Building
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Grassi & Co., P.

Mission Concrete
 & Mosaic Wks.

Mission Marble
 Works.

Musto Sons-Kee-
 nan Co.

New Era Marble
 & Concrete Co.

Teltz, Francis E.

Tomagnini & Co.,
 G.

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 Co.

Metal Lath.

Atlantic Fire-
 proofing Co.

Berger Mfg. Co.

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 Lath Company.

Waterhouse &
 Price
 Western Builders'
 Supply Co.

Metal Stamping

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Publication Office
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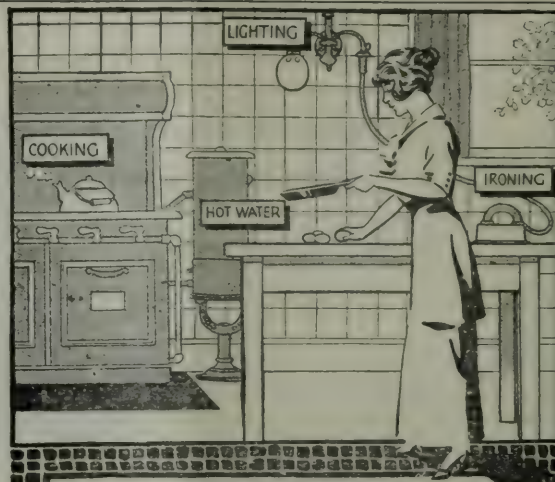
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Fifteenth Year, No 2



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Editorial Comment.

The building trades are familiar with the cement gun and the various forms of applying paints or liquid building material of any sort in the form of a spray. And the oxyhydrogen blow pipe is more or less familiar to the craft and the tremendous heat that it will develop in its general use.

In Metal Industries recently there appeared an article descriptive of what is known as the Schoop Metal Spray now being used in some of the New England manufactories. It consists of a three-inch cubical box that is held in the hand into which is fed a wire of the metal to be sprayed. A short nozzle leads from the box into which three hose pipes lead oxygen, hydrogen and air from their respective containers to the burner tube and blast nozzle which are concentric. There is an air turbine and friction feed wheel which controls the supply of metal.

With this mechanism the metal wire to be sprayed is fed into the box at the rate of twelve feet a minute while from the nozzle on the opposite side of the box there issues a continuous hot blast carrying with it a very fine spray of molten metal.

Any kind of metal can be sprayed with the instrument the oxyhydrogen mixture reducing it to liquid or vapor at varying degrees of temperature of from 700 to 2000 degrees fahrenheit, according to the nature of the metal used. The blast issues at a rate of speed of about 3000 feet per second so that under the influence of the expanding gases the metal cools so rapidly that five inches from the nozzle the metal is cool so that any kind of material is coated with a dense adherent film of the metal that is sprayed.

This process opens up a wide field in almost all industries. It can be used as a preservative and fire preventative and its cost is relatively small. According to statistics gained in the practical operation of the process during the past year the cost of spraying lead including the cost of wire, compressed air, and labor, is between one and two cents a square foot, and one pound of lead can be sprayed in less than a minute. This is the cost when the gases are purchased in small quantities and in the usual containers. The cost of other materials vary according to the initial cost of the raw material and its relative hardness, lead, zinc, aluminum, brass, German silver, bronze, and copper being the metals most commonly used for protecting or decorating surfaces.

So far the process has been used mainly for three purposes: 1. To preserve from decay in the atmosphere or

from moisture or from any form of chemical action, objects of any coherent substance, such as wood, stone, paper, cement and particularly cast iron and steel in every variety of their use in the arts.

2. To decorate all or any part of any object of any metal or of any coherent substance.

3. To copy in metal by means of the detachable sprayed coatings obtainable with the pistol any metallic, cement or composition object.

Even with this field the process has a wide use and no doubt it will rapidly increase.

The steamship Ohian which left San Francisco for New York via the Panama canal carried as a part of her cargo a quantity of fresh fruits and vegetables grown in California. The result of the experiment will be looked upon with a great deal of interest by the people of this state as it will mean cheaper transportation and better markets for the products of this state.

Australia, New Zealand, South Africa and Argentina have long been shipping fresh fruits, vegetables and meats to England by refrigerator ships. And there is no reason why it should not be done by this state to Atlantic ports through the Panama canal.

Owing to the mild climate of California fresh vegetables from California can be landed in Atlantic ports months before such products can be raised in the East. And the competition by water is likely to reduce freight rates and improve train service so the truck farmers of California will be able to secure better markets and wider use for their products.

Laws designed to preserve the beauty of the highways by preventing as far as possible, the placing of advertising signs on buildings, trees, and stones along the highways, are now in effect in Connecticut, Pennsylvania, Massachusetts, and New York. The New York law, which went into effect recently, makes it a misdemeanor to place a sign on any tree, stone, or structure within the limits of a highway, or on any private property without the consent of the owner. It is also provided that any sign placed in violation of this law may be removed and destroyed by anyone, without resort to legal formalities.

A fireproof building material is made in Switzerland by compressing Portland cement and asbestos fiber into blocks.

It is estimated that more than \$1,000,000,000 is invested in the lumber business, which ranks third in the country, and gives employment to one-tenth of the wage earners of the United States.

A Proposed State Purchasing Department.

Items Quoted From State Board of Control Budget.

The recommendation of \$50,000 is made for the establishment of a State Purchasing Department, so that the State may make its purchases for its institutions and departments under the same conditions and with the same advantages as corporations engaged in private business.

The State Board of Control and Controller have no hesitancy in asserting that with the expenditure of \$25,000 a year for the State Purchasing Department, a minimum net saving of \$200,000 a year can be accomplished, beginning in the very first year of its existence.

During the last three years the Board of Control has found it necessary to make centralized purchases of certain articles. Invariably the saving has ranged from 15% to 30%.

It is elementary that where the State enters into contracts at twenty or twenty-five different places for the purchase of quantities of the same article, instead of entering into one contract for the entire amount, the bids received at the different points on the smaller quantities are much higher than the price would be if all of these smaller amounts were bulked and one contract let for all of the institutions and departments.

In addition to advantages in purchasing, the establishment of this department would enable the State to take advantage of many discounts of which it is now deprived because of the statutory requirements that bills for goods await the approval of the local boards of managers. This is not a reflection in any degree on any local board of managers, for the reason that these local boards are composed of busy men who visit the institutions only once a month and are required by law to affix their signatures to expenditures of which they know absolutely nothing. Many of the members of these local boards have complained to the Board of Control that they are required by law to jeopardize their good names by signing bills and accounts with which they are not familiar.

The State's business has been systematized to a degree which will compare favorably with conditions prevailing in efficiently managed private corporations. It is plain, however, that the work cannot be thoroughly done until the State takes the step towards centralized purchasing that was taken many years ago by private corporations.

It is hard to conceive in this day and age of any railroad company, for instance, having its agents scattered along its lines letting yearly contracts for office supplies, trucks and like equipment.

The purchasing department should be an independent department subject to proper check in the making of contracts.

Labor Exchange Bureau.

The Immigration and Housing Commission presented to the Controller and to the State Board of Control, a

request for \$150,000 for the establishment of ten labor exchange bureaus throughout the State, designed to deal with the problem of unemployment. The Commission frankly stated that the establishment of these bureaus would not by any means constitute a solution of the problem of unemployment, but it would be largely an experiment and means to that end.

While feeling that every step possible should be taken for the solution of this most important problem, the Board of Control has felt that this experiment could be made with the sum of \$80,000, providing for five bureaus. It has been urged that free labor exchange bureaus in other states have failed principally because of inadequate appropriations. It is felt that \$80,000 devoted to five labor exchange bureaus will be fully sufficient to carry on this part of the work in meeting this problem, and will not render unavailable additional funds which might be better used along other lines in the meeting of this same problem of unemployment.

Labor Camp Inspection Bureau. Housing Inspection Bureau.

The Immigration and Housing Commission has also requested the sum of \$50,000 for labor camp inspection bureau, and the sum of \$40,000 for housing inspection bureau. It is felt that these two projects are not of the same present importance as the labor exchange bureaus, for the reason that some progress has already been made in this field by the Immigration and Housing Commission, and for the further reason that the Board of Control would rather await legislative action on a general plan to meet these problems than to make recommendations which will almost certainly be subjected to change in the drafting of laws on this subject. If these projects appear wise, the sum needed to carry them out can be taken from the allowance made in this budget for unreported needs and changes in statutory requirements.

San Quentin Prison.

San Quentin Prison is another institution which presents a problem of reorganization in its finances. At the 1913 session of the legislature no appropriation for support of San Quentin Prison was carried in the general appropriation bill, and the salary appropriation was carried at the sum of \$150,000. This action was based upon the theory that the prison could be supported out of the San Quentin Prison fund, which at that time had grown to large proportions mainly because of the fact that State appropriations had revolved from the general fund into the San Quentin Prison fund. It is true that this fund was also increased by some profits from the jute mill and the manufacturing departments. However, the fund consisted in very large degree of transfers of appropriations.

The warden of San Quentin Prison at that time persuaded the Board of Prison Directors not to ask for any

support appropriation and opposed the making of a support appropriation for the prison when this action was suggested by the State Controller and the Board of Control. The following language appears in the report of the Board of Control, submitted to the legislature in January, 1913:

"As a matter of State policy this Board recommends that the prison fund of San Quentin Prison be deposited in the State Treasury to the credit of the general fund and that a proper appropriation be made for the support of the prison. It also recommended that an adequate revolving fund be appropriated for carrying on the manufacturing departments along the same lines as the revolving fund now in existence for the purchase of jute."

The wisdom of the policy outlined by the Board of Control and the danger of the policy adopted by the prison authorities have both been conclusively demonstrated within the past twelve months. Under the legal restrictions imposed upon the prison directors in the setting of the price for jute bags, it has been found impossible to market approximately \$225,000 worth of bags.

This deprived the prison of this revenue and within the last two weeks the Board of Prison Directors have found it necessary to apply for an emergency appropriation for support in the sum of \$232,000 to carry the prison to the end of the fiscal year, or until such time as the grain bags can be disposed of.

There should be need for no further argument to convince the legislature that a reorganization of the finances of San Quentin Prison should be effected and that the institution should be placed upon exactly the same basis as every other State institution, receiving regular appropriations and a proper revolving fund to carry on its manufactures, and depositing its receipts in the general fund of the State Treasury. Under this system the prison could receive its meed of credit for the development of profitable industries, and at the same time it would not run the risk of finding itself involved in financial straits. The present warden agrees with the wisdom of the plan outlined.

For the support of San Quentin Prison an item is carried in the general appropriation bill in the sum of \$720,000. For salaries an appropriation is carried of \$252,000. This represents a net increase in the general appropriation bill of \$568,000 and offsets San Quentin Prison fund, from which \$580,000 has been used under the theory of running a prison without a support appropriation.

Tuberculosis. Aid to Counties.

Recommendation of \$100,000 is also made to be used in a centralized and systematic campaign against the spread of tuberculosis. The most feasible plan submitted to the State Controller and the State Board of Control seemed to be that which contemplates a system of aid through the

counties, with general supervision and control vested in the State. The plan contemplates the payment of aid in those cases where the counties have actually taken up the work of properly caring for tubercular patients.

This plan has been recommended because it seems to be the only one under which the problem can be effectually dealt with in any degree, outside of a policy under which the State would engage in the founding of a number of sania, the expense of which, to be effective, would be not less than \$500,000 and \$750,000 at this time.

LONGLEAF PINE SUITABLE FOR KRAFT PAPERS.

From the Forest Service, U. S. Department of Agriculture.

That longleaf pine treated by the sulphate process and properly handled will give excellent kraft pulps and papers, especially the very strong and very tough, light-weight brown wrapping papers, is the conclusion reached by the department of agriculture after a series of tests to determine the wood's possibilities as a source of pulp. This conclusion is of significance at this time, because war has cut off the German supply to this country. The high specific gravity of the wood and the resultant high yield of pulp per cord, says the department in a recently issued bulletin, give longleaf pine an advantage possessed by few other commercially important woods suitable for pulp making.

This new use for longleaf pine furnishes a means of utilizing the waste in slabs, edgings and trimmings from southern mills. Tops and defective logs left in the woods and small logs which at present are converted into lumber with little profit or no profit would furnish a supply of raw material for pulp making even greater than that derived from the mill waste.

The tests were made at the forest service laboratory and were of two kinds, those to determine the effect of varying the cooking conditions in the sulphate process, and semi-commercial tests carried on by both the sulphate and the soda process. The sulphate process was found to be superior to the soda, at least so far as longleaf pine is concerned. In the former process the pulp can be very much undercooked and still produce a fair quality of paper, while a soda pulps were obtained with a total duration of cooking of only 3.5 hours, against 6 hours for the best soda pulp.

Sulphrate kraft pulps of fairly good strength and toughness can be obtained from longleaf pine with yields as high as 61 per cent or 2,170 pounds of absolutely dry pulp per 100 solid cubic feet of wood. For the production of high grades of kraft wrappings the yield of pulp could be approximately 51 per cent, or 1,800 pounds of absolutely dry pulp equal to 2,000 pounds air-dried pulp per 100 cubic feet of solid wood. The yield per cord would be somewhat less than the weights given since an ordinary 4x4x8 foot stacked cord may contain from 75 to 100 cubic feet of solid wood.

HOW TO SELECT AN ARCHITECT.

Victor Andre Matteson in a recent address on "How to Select an Architect," says in part:

Country architects have labored under existing conditions for many years in patience and silence, thinking there was little help for them, and that possibly life was too short to attempt to change the situation. It is most gratifying to feel that at least the architects of the state have decided to get together and discuss their troubles, and there is no doubt about it but that great good will come of it to our profession.

Architects practicing in the larger cities probably do not realize how generally the idea prevails in the country that the selection of an architect is purely a competitive proposition. There are two main reasons for this.

One is the fault of the architects themselves, who offer to furnish gratuitous sketches, either in competition with others, or in order to get in on the ground floor, as it were, before some other architect or architects are consulted. The other cause probably can be traced to the custom in public work, such as court houses, but more particularly in public schools, of holding competitions. The public is in this way educated to the idea that this is the only fair way to select an architect. Those connected with the building of a country school, are usually men of sufficient prominence to be associated at some time with other building operations, and the mode of proceeding is very similar to that used in connection with the school.

Occasionally a just and logical competition is held. In such case each competitor is paid for his idea and time, and the problem is presented by a clearly defined program or requirements.

Busy and successful architects who have the respect and esteem of practitioners in the same line of work do not find it necessary to exhibit samples of their work or enter competitions on a chance that they will obtain employment. Hence the best men cannot be secured in this manner. This being the case, those members of the architectural profession who are attracted by an announcement that a building-committee is about to select an architect (or more commonly, is going to "select plans"), are invariably either young men of little experience who want to take a chance to get a start, or incompetent ones, equally willing to take a chance. In either case, they are men who have time to spare, which means that it may be of little value. As far as they are concerned it is a gamble, pure and simple. To the owner it makes a great deal of difference, and invariably he is the one to suffer, either consciously or unconsciously, by the time the work of building is completed. The man who is willing to submit drawings with others without compensation, does so because he is determined if possible to obtain the work at all hazards, to pay him for his trouble.

The custom of furnishing gratuitous sketches, which is prevalent not only in the country, but in the city also, is in my opinion, a custom which should be abolished among a profession, which is distinguished from a business, chiefly by the fact that it has intan-

gible wares to exchange for a compensation rather than tangible things.

The logical conclusion then is, that the most satisfactory manner by which to select an architect is to investigate into his reputation, experience, standing in his profession, his accessibility and general fitness for any particular work and select him on these grounds. Co-operation among the architects of the state would bring about a condition of this kind. With such a condition existing there would be less need for architects to solicit work and they would have more time to devote to its proper execution. Both they and the public whom they serve would be thus benefited. Under such conditions the architects could work with their clients, and not at them.—Construction News.

COLLECTING ACCOUNTS IN BRITISH HONDURAS.

[Commercial Agent Garrard Harris, Belize.]

At my request one of the leading firms of lawyers in British Honduras has written me the following letter giving some information in regard to the making of collections in British Honduras:

As requested by you we are giving you in a rough way an idea of how American accounts have to be dealt with in this colony. There are three firms of lawyers doing business here, and the usual rates charged are 10 per cent on net amounts collected, though in some cases other terms are agreed on. As a rule American accounts are not disputed, but there are certain small people who order goods and then decline to pay for them, as they well know the difficulty American firms will have in proving that the accounts are owing. Under our law in case of a dispute it is necessary to be in a position to prove that the accounts have not been paid and are still owing, and this can only be done by sending some one from the firm which has the claim to Belize with the proof, involving as a rule considerable expense. It is not sufficient to swear before a notary that the account is still unpaid.

There are other ways in which a debtor who wishes to be dishonest or gain time can put creditors to a great deal of expense and loss of time. For instance if a firm issues a writ in our supreme court, which must be for more than \$100, the debtor can at once apply to the solicitor issuing the writ for security for cost, either claiming that the account was incorrect or making up a false defense, which might appear on its face to be correct. The solicitors would then probably have to put up security for \$250 or more and the defendant might have absolutely no defense. In this case the plaintiff would have to pay all his own costs, as the defendant would be very likely to be a man of no property or standing.

We think that a great mistake is made by drummers who come to this colony giving credit to small people who have no capital just for the sake of making their orders look big, and would suggest that all orders from persons who can not give good references should be filled only if the practice is followed of sending the bills of lading to some responsible collector, who will not deliver the goods until the cash is paid.

You must, of course, understand that it is very difficult to outline in a letter the proper methods or procedure for all contingencies that might arise, and the above is intended only to give you a rough idea as to the way in which collections are made here. We shall be pleased to give advice at any time on any particular case.

[The name of this firm and of the two other law firms mentioned may be obtained from the Bureau of Foreign and Domestic Commerce and its branches.]

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Classified according to Character of Work

APARTMENT HOUSES.

SAN FRANCISCO—Apartment house, 4 story and base, brick and steel, \$44,000. Architect, J. F. Dunn, Monadnock Bldg., S. F. Owner, Mrs. A. Wilson. The building will be erected on property recently purchased on the north side of Pine street west of Leavenworth. Interior will be arranged for a number of two, three and four room suites and a large social room and lobby. Interior finish will be of pine, redwood and elm. Hardwood floors will be used in the living rooms. There will be wall beds and private baths. Plans provide for steam heat, a hot water system and elevator service. Bath rooms will be finished in tile with composition floors. Marble and tile wainscot will be used in the lobby. Exterior of the building will be faced with pressed brick and terra cotta. Plans are complete and figures will be called for shortly.

SAN FRANCISCO—Apartment house, 3 story and base, frame, \$20,000. Architect, C. E. Gottchalk, Phelan Bldg., S. F. Owner, Charles Farrell. The building will be erected on Filbert street west of Polk, and has been designed to contain eleven suites of two and three rooms. All apartments will have wall beds and private bath rooms. The interior will be finished in pine and elm. Some hardwood floors will be used. Bath rooms will have tile floors and wainscot. Plans provide for steam heat and a hot water system. Marble and tile will be used in the entrance. Exterior of the building will be covered with cement plaster on metal lath. Plans are nearly complete and figures will be called for in a week or ten days. Further mention will be made of the work.

SAN FRANCISCO—Apartment house, 5 story and base, reinforced concrete, \$40,000. Architects, Rousseau & Rousseau, Monadnock Bldg., S. F. Owner, A. Pomme. The building will be erected on the south side of Turk street east of Polk, covering an area of 35 by 70 feet. There will be a total of 25 suites of two and three rooms. Interior finish will be of pine, redwood and hardwood veneer. Some hardwood floors will be used. All suites will have private bath rooms and wall beds. Bath rooms will have tile floors and wainscot. Marble and tile will be used in the entrance and lobby. Plans provide for steam heat, elevator service, a hot water supply and vacuum cleaning. Exterior of the building will be faced with pressed brick trimmed with terra cotta. Plans are complete and have been turned over to the owner who will do the work by day labor.

SAN FRANCISCO—Apartment house, 4 story and base, brick and steel. Cost not stated. Architect, Frederick H. Meyer, Bankers' Investment Bldg., S. F. Owner, Albert Rothberg. The building will be erected on the north side of Post street east of Larkin,

having a frontage of 53½ feet by a depth of 137½ feet. Interior will be arranged for a number of two, three and four room suites with wall beds and private baths. Interior will be finished in pine, gum and hardwoods. Hardwood floors will be used in the living rooms. There will be a large lobby and social room. Plans provide for steam heat, elevator service, a hot water supply and vacuum cleaning. Bath rooms will have tile wainscot and floors. Marble and tile will be used in the entrance. Exterior of the building will be faced with pressed brick and terra cotta. Plans are nearly complete and figures will be taken shortly.

SAN FRANCISCO—Apartment house, 2 story and base, frame, \$20,000. Architects, O'Brien Bros., Clunie Bldg., S. F. Owner, Mr. Westlake. The building will be erected on 16th avenue near California street, and has been designed to contain a number of two and three room suites with sleeping porches, private baths and wall beds. Interior finish will be of pine and hardwood. Hardwood floors will be used in the living and dining rooms. There will be steam heat and a hot water supply. Bath rooms will have tile wainscot and floors. Exterior of the building will be covered with cement plaster on metal lath. Plans are complete and figures are being taken.

SAN FRANCISCO—Apartment house, 4 story and base, steel and brick. Cost not stated. Architects, Rousseau & Rousseau, Monadnock Bldg., S. F. Owner's name not given. The building will be erected on the south side of Post street west of Larkin. The building will contain a number of two, three and four room suites all of which will have wall beds and private baths. Interior finish will be of pine and elm with hardwood floors in the living and dining rooms. Plans provide for steam heat, a hot water system, elevator service and vacuum cleaning. All bath rooms will be finished in tile with composition floors. Main entrance will have marble wainscot. Exterior of the building will be faced with pressed brick trimmed with terra cotta. Plans are nearly complete and figures will be called for shortly.

SAN FRANCISCO—Apartment house, 6 story and base, steel and brick, \$80,000. Architect, August Nordin, Mills Bldg., S. F. Owners, Peter Windeler Co. The building will be erected on the north side of Ellis street, 55 feet west of Jones, covering a considerable ground area. Interior will be arranged for a total of 80 suites of two and three rooms. Interior finish will be of pine, redwood and hardwood veneer. There will be a large social room and lobby on the ground floor. All suites will have wall beds and private bath rooms. Some hardwood floors will be used. Plans provide for steam heat, automatic elevator, hot water supply and vacuum cleaning. Bath rooms will be finished in tile with composition floors. Main entrance will have marble wainscot. Exterior of the

building will be faced with pressed brick and terra cotta. Plans are complete and figures have been taken.

SAN FRANCISCO—Apartment house, 5 story and base, brick and steel. Cost not stated. Architect, none. Owner, Towne Realty Co., 166 Geary street, S. F. The building will be erected on the south side of California street east of Jones, covering an area of 53 feet 10 inches by 105 feet. There will be a number of two, three and four room suites. Interior will be finished in pine, redwood and hardwood veneer. Plans provide for steam heat, elevator service, a hot water system and vacuum cleaning. All suites will have wall beds and private bath rooms. Composition floors and tile wainscot will be used in the bath rooms. Entrance will be finished in marble and tile. Exterior of the building will be faced with pressed brick and terra cotta. Plans are complete and in the hands of the owners who will do the work by Day Labor.

SAN FRANCISCO—Apartment house, 3 story and base, frame, \$20,000. Architect, E. H. Denke, 1317 Hyde street, S. F. Owner, Joseph Neustadter, Essex Hotel. The building will be erected at the southeast corner of Clay and Franklin streets, covering an area of 37½ by 76 feet, and has been designed to contain six large suites. Interiors will be finished in pine and hardwood. Hardwood floors will be used in the living and dining rooms. The building will have steam heat, a hot water supply and vacuum cleaning. All suites will have wall beds, private bath rooms and open air sleeping porches. Bath rooms will be finished in tile. Main entrance will have marble wainscot. Exterior of the building will be covered with cement plaster on metal lath. Plans are complete and have been out for figures. A contract will be awarded shortly.

BONDS.

VENTURA, VENTURA CO., CAL.—Mass meetings held in Ventura and in other sections of the county have been unanimously in favor of a proposed bond issue for the improvement of the county highways. It is proposed to bond the county to its full capacity of \$950,000 for the improvement of the highways and to construct the necessary bridges and culverts from funds to be raised by direct taxation.

SAN FERNANDO, LOS ANGELES CO., CAL.—City Engineer I. B. Funk has presented to the board of trustees a report upon the valuation of the two local water companies. This data was desired by the board preparatory to calling a special election to vote bonds for the purpose of purchasing the two companies and installing a municipal water system.

PACIFICA, LOS ANGELES CO., CAL.—Bids will be received by the Board of Supervisors of Los Angeles County up to January 18th for the sale of the \$15,000 bond issue of the Pacifica

School District. Tuttle & Angel, architects of Los Angeles, will prepare the plans for the new structure to be erected.

EL PASO, TEXAS.—Bids are now being considered for the purchase of bonds in the sum of \$65,000. The bonds were voted to raise the necessary funds for the erection of a new school building. Roy D. Barnum is the County Auditor.

LOS ANGELES, CAL.—At a meeting of the Board of Supervisors the bid of W. H. Workman for bonds of the Los Angeles City School District of par value of \$5,000 was accepted.

AUBURN, PLACER CO., CAL.—It is thought the question of selling the Auburn Grammar School bonds has been favorably solved.

The lack of funds with which to pay the first semi-annual installment of interest next July can be met with a surplus in the special tax that was levied in the district for general school purposes.

The issue is for \$45,000. The bonds will be advertised for sale immediately.

ROSEVILLE, PLACER CO., CAL.—No bids have been received for the purchase of the Roseville High School bonds. The bonds will probably be re-advertised.

PIRU, VENTURA CO., CAL.—A special election will be held in the Camulos School District on January 21 for the purpose of voting bonds in the sum of \$15,000 for the erection of a new school building. Homer W. Glidden of Los Angeles, will be the architect.

MARYSVILLE, YUBA CO., CAL.—January 26th has been fixed as the date for sale of the collateral bonds voted by Reclamation District No. 10 in this county in the sum of \$100,000.

County Treasurer Eich will dispose of these bonds at the court house on the 26th. They are made up in books ranging in value from \$100 to \$1,000. The first issue 10 bonds of the \$100 denomination will mature January 1, 1920.

Four sets of twenty bonds each of \$500 denomination will mature at the rate of one set a year beginning January 1, 1920. All of the other bonds of \$1,000 denomination mature one set each year until January 1, 1927. The bonds bear interest at 6 per cent.

MODESTO, STANISLAUS CO., CAL.—Seventy-five thousand dollars worth of State Highway bonds, the initial payment of the \$216,000 worth of bonds which will be purchased eventually by Stanislaus County for the advancing of that part of the Sonora lateral between Salida and the Stanislaus-Tuolumne county line, are now in the office of County Treasurer Downer. The bonds were purchased from State Treasurer Roberts by Chairman J. J. McMahon of the Board of Supervisors at Sacramento.

The purchase was in accordance with a resolution adopted by the Board at a special meeting, when it was decided to end the year with the \$75,000 as the initial payment.

This money will be immediately used and the same policy will be followed in purchasing more highway bonds until the complete issue has been secured.

REDONDO, LOS ANGELES CO., CAL.—A resolution has been adopted by the Board of Trustees of Redondo, calling for an election to vote bonds

in the sum of \$17,000 for the purchase of a library site. The City Attorney has been instructed to draw an ordinance calling for an election for a bond issue of \$121,000 for the construction of a pleasure pier.

COLTON, SAN BERNARDINO CO., CAL.—The Board of Supervisors has sold bonds for the new school building to be erected on the old Lincoln School site to the First National Bank of Colton for \$83,017. Nine firms submitted proposals for the purchase of the bonds.

TUCSON, ARIZ.—All proposed bond issues carried here at an election held recently. Bonds were voted for the construction of a new city hall building, Fire Department improvements, the paving of Congress street, construction of a number of bridges, for street lighting and the construction of sewers.

Work will start on the new city hall building as soon as the bonds can be sold.

FULLERTON, ORANGE CO., CAL.—Citizens of Fullerton will vote on the question of issuing bonds in the sum of \$36,000 on February 10th. The bonds are being voted to secure funds for the purpose of improving the Brea road.

LOS ANGELES, CAL.—The Los Angeles County Board of Supervisors will receive bids up to 2 p. m. January 18th for the purchase of \$65,000 bonds of the Puente High School District. Proceeds of the sale will be used in the construction of a school building for the district.

PORTLAND, ORE.—If the grain shippers will sufficiently co-operate so as to relieve the public of the expense, the Public Docks Commission will approve a movement to vote \$750,000 bonds for the construction of a municipal grain elevator.

LOS ANGELES, CAL.—At the meeting of the Board of Supervisors, bids for the school bonds of the Hawthorne School District were sold to Hammond, Stevens & Co.; bonds of the Morning-side School District to E. H. Rollins & Sons; bonds of the Cienga School District to Perri, Drake & Riley; bonds of the Whittier School District to Harris Trust and Savings Bank. The proceeds of these sales will be used in the construction or improvement of the schools located in the various districts mentioned.

YUBA CITY, SUTTER CO., CAL.—The Trustees of Reclamation District 1001 are now making preparations to issue bonds to the amount of \$500,000 for the purpose of completing the work of reclamation and drainage in the district, which is now enclosed and the drainage pumping plant well under way.

a total of 360 feet. The bridge at Moffett creek will be 75 feet above the water and will be a single arch of reinforced concrete. The bridge at Tanner creek, near the state fish hatchery, will be a 60-foot reinforced concrete girder. The bridge at Eagle creek will be a span of 60 feet. A fourth structure will be built by Day Labor.

SAN FRANCISCO—Pier No. 24, pile and timber construction. Cost not stated. Engineer, Assistant State Engineer Neuman, Ferry Bldg., S. F. Owners, State of California. Plans have been completed and are now out for figures for the construction of Pier No. 24. This structure will be of creosoted piles and heavy timber. There will be a wharf shed with a mezzanine floor on three sides. The Belt Line tracks will be extended the full length of the pier. Bids are now being taken and will be opened on January 14th. Plans and specifications can be secured from the Assistant State Engineer, Ferry Bldg.

REDWOOD CITY, SAN MATEO CO., CAL.—Trestle, timber construction. Cost not stated. Engineer, County Surveyor Neuman, Redwood City. Owner, San Mateo County. Plans have been completed for a four span timber trestle bridge to be erected on the Colma to Edgemar road over Tobin creek. Bids are now being taken and will be opened by the Board of Supervisors on February 1st. Plans and specifications can be secured from the County Surveyor at Redwood City.

RICHMOND, CONTRA COSTA CO., CAL.—Wharf, timber and pile. Cost not stated. Engineers, Haviland & Tibbetts, Alaska Commercial Bldg., S. F. Owners, City of Richmond. All bids for the construction of the Richmond wharf have been rejected. Plans will probably be revised, changing the construction from reinforced concrete to creosoted piles and timber. The lowest bid received for this work on original plans came from Healy-Tibbitts Construction Co. for \$257,710.

CHURCHES.

OAKLAND, CAL.—Church, 2 story and base, brick and steel, \$70,000. Architect, William Newman, David Hewes Bldg., S. F. Owners, Second Church of Christ, Scientist. The building has been mentioned here before and will be erected at the northeast corner of 34th and Elm streets. The design is in the classic style. There will be a large main auditorium and special reading rooms. Interior will be finished in pine and ornamental plaster. Art glass windows will be installed. There will be steam heat and a modern system of ventilation. Exterior of the building will be faced with pressed brick trimmed with terra cotta. Plans are complete and figures are now being taken.

OXNARD, VENTURA CO., CAL.—Church, 1 story and base, frame and brick. Cost not stated. Architects, L. B. and A. L. Valk, Stimson Bldg., L. A. Owners, Methodist Episcopal Church of Oxnard. Plans for this building have been revised and new figures will be called for at once. The building will contain a large main auditorium, Sunday school auditorium and sixteen class rooms. Interior will be finished in pine and ornamental plaster. Plans provide for steam heat and a modern

BRIDGES AND DAMS.

PORTLAND, ORE.—Bridges, reinforced concrete and steel. Cost not stated. Engineer, Oregon Highway Commission, Portland. Owners, State of Oregon. Plans for four reinforced concrete bridge to be erected on the Columbia Highway are now completed and bids will be taken for three of them. These bridges are to span Pierce, Moffett and Tanner creeks in the eastern end of the county. Pierce creek is to have a girder bridge 65 feet in height, with nine spans 40 feet long,

system of ventilation. Art glass windows are specified. Exterior of the building will be covered with veneer blue pressed brick. New bids will be called for at once.

CITY WORK PLANNED.

SAN FRANCISCO—New City work. Cost not stated. Architect, City Department of Architecture, Temporary City Hall, S. F. Owners, City and County of San Francisco. The following plans and specifications are now underway in the Bureau of Architecture of the Board of Public Works:

Fire Escapes—Plans and specifications for the fire escapes for the Rochambeau, Laguna Honda, Sherman, Emerson and Dudley Stone are complete. The Board of Supervisors has been requested to adopt an ordinance authorizing construction.

Polytechnic High School—The revisions to the original plans and specifications for the general interior finish have been made in accordance with the requirements of the Board of Education and are now being checked and will be ready for estimates shortly.

Civic Center—Studies are being made for the future development of the Civic Center.

Relief Home Tract—Studies of the final development of the tract, for the location of all future buildings and improvements of a general nature, are now being made.

Full Size Details are being prepared as the work progresses on the following buildings: Polytechnic High School, Civic Center, Power House and the Department of Electricity Shop Building.

FACTORIES AND WAREHOUSES.

SAN FRANCISCO—Warehouse alterations. Class C construction. Cost not stated. Engineer, Engineering Department Western Meat Co., 6th and Townsend streets, S. F. Owners, Western Meat Co. The new grade established along Townsend street by the construction of the Southern Pacific tracks and yards has made it necessary for the company to raise their warehouse building. This structure covers a large area and the job will be an expensive one. Plans are now being prepared for the work.

SEATTLE, WASH.—Fruit storage warehouse, 7 story and base, reinforced concrete, \$150,000. Engineer, J. R. West, Port of Seattle Commission, Seattle. Owners, City Seattle. The building will be erected at the corner of Spokane and Whatcom streets, covering an area of 147 by 195 feet. The structure will be fireproof throughout with reinforced concrete walls, floors and roof. Hollow tile interior partitions are specified. Special machinery and equipment will be installed, but are not included in the general contract. Exterior of the building will be faced with cement plaster. Plans have been out for figures before, but all bids ran too high and plans were called in for revision. This work has been completed and new figures are now being taken. Plans and specifications together with complete details can be secured from the Port of Seattle Commission.

FLATS.

SAN FRANCISCO—Flats, 2 story and base, frame, \$9,000. Architect, Edward E. Young, 251 Kearny street, S. F. Owner, Thomas Seoble, 363 14th avenue, S. F. The building will be erected on the west side of Palm avenue near Euclid, having a frontage of 25 feet and a depth of 73½ feet. There will be two modern flats of six and seven rooms. Interiors will be finished in pine, redwood and hardwood. Hardwood floors will be used in the principal rooms. There will be furnace heat and open fire places. Automatic water heaters will be installed. Mantels will be of tile and brick. Bath rooms will have tile floors and wainscot. Exterior of the building will be covered with cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor.

SAN FRANCISCO—Flats, 2 story and base, frame, \$3,500. Architect, none. Owner, Thomas Thornton, 1562 11th avenue, S. F. The building has been designed to contain two modern flats of five and six rooms and will be erected on the west side of 5th avenue south of Irving street. Interior will be finished in pine and redwood with some elm panels. Hardwood floors will be used in the living and dining rooms and reception hall. Each living room will have a large open fire place and tile or brick mantel. Bath rooms will have tile wainscot. Exterior of the house will be covered with cement plaster and rustic. Plans are complete and in the hands of the owner who will do the work by Day Labor.

SAN FRANCISCO—Flats, 2 story and base, frame, \$2,500. Architects, Welsh & Carey, Merchants' National Bank Bldg., S. F. Owner, M. W. Cain. The building will be erected on the west side of 28th avenue south of California, covering an area of 25 by 40 feet. There will be two flats of four rooms each. Interior finish will be of pine and redwood throughout. Hardwood floors will be used in the living rooms. Open fire places and tile mantels are specified. Tile wainscot will be used in the bath rooms. Exterior of the building will be covered with rustic and shiplap. Plans are complete and in the hands of the owner who will do the work by Day Labor.

GARAGES.

OAKLAND, CAL.—Garage, 1 story and base, brick, \$10,000. Architect, none. Owner, Al. Kendall, 3045 Telegraph avenue, Oakland. The building, which has been designed for a commercial garage, will be erected at the corner of 30th street and Telegraph avenue, covering an area of 100 by 128 feet. There will be a cement floor and steel roof trusses. Interior will be finished in pine. Special gasoline storage tanks and metal window sash and frames are specified. Besides the storage space the building will contain an office and completely equipped machine shop. Exterior will be faced with pressed brick. Plans are complete and in the hands of the owner who will let segregated contracts for the work.

GOVERNMENT WORK & SUPPLIES.

Naval Use of Rejected Articles.

An interesting intrabureau order has been issued by the paymaster general of the Navy respecting the modification of specifications and the acceptance of articles at reduced prices. The order is as follows:

"Having noticed a number of cases recently in which, for one reason or another, a contractor offers to sell his rejected deliveries to the government at some reduction from the agreed purchase price, I desire it to be understood once for all that in every such instance the following facts must be affirmatively established before acceptance can properly be authorized.

(a) That the goods are entirely fit for government use.

(b) That they are actually needed for government purposes.

(c) That the reduced price is lower than that at which any competitor would furnish the same identical goods.

"It is not enough to simply know that they 'can be used,' they must, in fact be needed; whereas the only way to find out whether the price offered is lowest is to ask for supplementary competitive bids on exactly the quality of goods in question as described by the inspectors who rejected them under the original specifications—this to protect not only the government, but also every one of the competing bidders whose original prices were higher.

"If no lower bid is received, then the contractor's offer of reduction will be accepted. If a lower bid is offered by somebody else, then the original contract will be cancelled. But, as stated above, the purchase under such amended specifications must invariably be made because the government actually needs the goods and not merely to keep an unsuccessful contractor from losing money.

"If the original specifications were not too strict, the goods offered at a reduced price can scarcely be considered a satisfactory substitute to be used for the purpose originally intended. If not to be accepted as a substitute, the procuring of the original quantities under the original specifications will be proceeded with as a matter entirely independent of the possible purchase of the rejected lot.

"With respect to articles of food, all the above precautions will be rigidly observed, and, in addition, no provisions will under any circumstances be accepted if there be the least question as to purity or nutritive value—it being constantly borne in mind that doubtful food is bad food and will be treated as such."

Yards and Docks.

Specifications for work under the bureau of yards and docks, Navy Department, have been furnished to the following firms in addition to those previously mentioned in these columns:

Puget Sound, Ward Pavilion, January 16—Specification 2121.

Lomark Heyerdall, 1928 Durango street, Tacoma, Wash.

J. L. Murphy & Sons, Charleston, Wash.

Gutleben Bros., San Francisco, Cal.

Pearl Harbor Cranes, January 23—Specification 2127.

Brown Hoisting Machinery Co., 50 Church street, New York City.

Link Belt Co., 239 Broadway, New York City.
 The Guerber Engineering Co., Bethlehem, Pa.
 Ohio Locomotive Crane Co., 30 Church street, New York City.
 The Exeter Machine Works, Pittston, Pa.
 American Hoist and Derrick Co., St. Paul, Minn.
 Niles-Bement-Pond Co., 111 Broadway, New York City.
 Edison Storage Battery Co., Orange, N. J.
 Cleveland Railway Supply Co., Cleveland, Ohio.
 Walter A. Zelnicker Supply Co., St. Louis, Mo.
 McMyler Interstate Co., Bedford, O.
 The Browning Co., Cleveland, Ohio.
 Hoffins Steel and Equipment Co., Seattle, Wash.
 McMyler Interstate Co., 50 Church street, New York City.

New Army Construction

The War Department has approved the details of a plan providing for increase in the accommodations at Fort Huachuca, Ariz., from six troops of cavalry to one regiment of that arm. The following buildings and improvements are included in the amount apportioned to this post from funds of the fiscal year 1915: Five double officers' quarters, eight bachelor officers' quarters, four troop barracks, four double lavatories, seven troop stables, one hay shed, addition to guardhouse, converting building 88 into administration building, one barrack for machine-gun platoon and band, and remodeling storehouse No. 19. None of this work has as yet been placed under contract. Plans and specifications are now being prepared, and it is expected that instructions will be given the constructing quartermaster to advertise in a short time. With the buildings now at the post and those included in the project for the fiscal year 1915, the following accommodations will have been provided for this post: Barracks for one regiment and band, 46 sets of officers' quarters, twelve troop stables, one band stand, etc., and four stable, guard and shop buildings. With four sets of married officers' quarters now estimated for, sufficient quarters will be provided for a complete regiment of cavalry.

Earthwork, Greenfields System.

The following bids were received at the office of the U. S. Reclamation Service, Great Falls, Mont., for earthwork, Greenfields distributing system, Sun River project, Mont., under specification No. 289:

- Bid 1. O'Connor & Helean, Great Falls, Mont.
2. J. E. Hilton, Billings, Mont.
3. McArthur Bros. Co., 208 La Salle street, Chicago, Ill.
4. R. B. Fraser, Hotel Stevens, Great Falls, Mont.
5. Grant Smith & Co., 619 Fernwell Building, Spokane, Wash.
6. Charles Wilhite & Co., Boise, Ida.
7. Tebbis & Taggart, Crowley, Wyo.
8. Nelson, Rich, Prosser, Wash.
9. Bates & Rogers Construction Co., Spokane, Wash.
10. Foley Bros.—Welsh & Stewart, 209 Gillfillan Block, St. Paul, Minn.
11. Jergens & Knipe, Glasgow, Mont.

Schedule 1.

- Item 1. 106,000 cu yds excavation, class 1—Bid 1, 11.85c; 2, 13.5c; 3, 15c; 4, 15.25c; 5, 16c; 6, 17.5c; 7, 19c; 8, 20c; 9, 19.5c; 10, 1.5c.
2. 1,500 cu yds excavation, class 2—Bid 1, 32c; 2, 30c; 3, 40c; 4, 40c; 5, 37c; 6, 65c; 7, 50c; 8, 50c; 9, 45c; 10, 40c.
3. 150 cu yds excavation, class 3—Bid 1, 60c; 2, \$1; 3, 75c; 4, 80c; 5, \$1.50; 6, 90c; 7, \$1; 8, \$1; 9, \$1; 10, 80c.
4. 1,000 sta. cu yds overhaul—Bid 1, 2c; 2, 2c; 3, 2c; 4, 2c; 5, 2c; 6, 2c; 7, 2c; 8, 2c; 9, 2c; 10, 2c.
- Total schedule 1—Bid 1, \$13,151; 2, \$14,930; 3, \$16,632.50; 4, \$16,905; 5, \$17,760; 6, \$19,680; 7, \$21,060; 8, \$22,120; 9, \$21,515; 10, \$21,410.
- Schedule 2,
5. 10,500 cu yds excavation, class 1—Bid 1, 11.85c; 2, 13.5c; 3, 15c; 4, 14.75c; 5, 18c; 6, 17.5c; 7, 18c; 8, 18.5c; 9, 19.5c; 10, 19.5c; 11, 15.7c.
6. 500 cu yds excavation, Class 2—Bid 1, 32c; 2, 30c; 3, 40c; 4, 38c; 5, 37c; 6, 65c; 7, 50c; 8, 50c; 9, 45c; 10, 40c; 11, 32c.
7. 50 cu yds excavation, class 3—Bid 1, 60c; 2, \$1; 3, 75c; 4, 80c; 5, \$1.50; 6, 90c; 7, \$1; 8, \$1; 9, \$1; 10, 80c; 11, 70c.
8. 1,500 sta. cu yds overhaul—Bid 1, 2c; 2, 2c; 3, 2c; 4, 2c; 5, 2c; 6, 2c; 7, 2c; 8, 2c; 9, 2c; 10, 2c; 11, 2c.
- Total schedule 2—Bid 1, \$8,574.45; 2, \$9,747.50; 3, \$10,842.50; 4, \$10,658.75; 5, \$12,980; 6, \$12,737.50; 7, \$13,020; 8, \$13,372.50; 9, \$14,052.50; 10, \$14,017.50; 11, \$11,293.50.
- Schedule 3.
9. 71,700 cu yds excavation, class 1—Bid 1, 10.45c; 2, 13.5c; 3, 15c; 4, 16c; 5, 18c; 6, 17.5c; 7, 17c; 8, 17.5c; 9, 19.5c; 10, 19.5c; 11, 15.7c.
10. 250 cu yds excavation, class 2—Bid 1, 32c; 2, 30c; 3, 40c; 4, 40c; 5, 37c; 6, 65c; 7, 50c; 8, 50c; 9, 45c; 10, 40c; 11, 32c.
11. 50 cu yds excavation, class 3—Bid 1, 60c; 2, \$1; 3, 75c; 4, 80c; 5, \$1.50; 6, 90c; 7, \$1; 8, \$1; 9, \$1; 10, 40c; 11, 70c.
12. 1,500 sta. cu yds overhaul—Bid 1, 2c; 2, 2c; 3, 2c; 4, 2c; 5, 2c; 6, 2c; 7, 2c; 8, 2c; 9, 2c; 10, 2c; 11, 2c.
- Total schedule 3—Bid 1, \$7,632.65; 2, \$9,834.50; 3, \$10,922.50; 4, \$11,642; 5, \$13,103.50; 6, \$12,785; 7, \$12,394; 8, \$12,752.50; 9, \$14,174; 10, \$14,151.50; 11, \$11,401.90.
- Schedule 4.
13. 89,000 cu yds excavation, class 1—Bid 1, 10.45c; 2, 13.5c; 3, 15c; 4, 15c; 5, 18c; 6, 17.5c; 7, 17c; 8, 17c; 9, 19.5c; 10, 19.5c; 11, 15.7c.
14. 200 cu yds excavation, class 2—Bid 1, 32c; 2, 30c; 3, 40c; 4, 45c; 5, 37c; 6, 65c; 7, 50c; 8, 50c; 9, 45c; 10, 40c; 11, 32c.
15. 50 cu yds excavation, class 3—Bid 1, 60c; 2, \$1; 3, 75c; 4, 80c; 5, \$1.50; 6, 90c; 7, \$1; 8, \$1; 9, \$1; 10, 80c; 11, 70c.
16. 1,500 sta. cu yds overhaul—Bid 1, 2c; 2, 2c; 3, 2c; 4, 2c; 5, 2c; 6, 2c; 7, 2c; 8, 2c; 9, 2c; 10, 2c; 11, 2c.
- Total schedule 4—Bid 1, \$9,424.50; 2, \$12,155; 3, \$13,497.50; 4, \$13,510; 5, \$16,199; 6, \$15,780; 7, \$15,310; 8, \$15,310; 9, \$17,525; 10, \$17,505; 11, \$14,102.
- Schedule 5.
17. 46,000 cu yds excavation, class 1 Bid 1, 10.45c; 2, 12.5c; 3, 15c; 4, 16.5c; 5, 18c; 6, 17.5c; 7, 17c; 8, 17c; 9, 19.5c; 10, 19.5c; 11, 15.7c.
18. 100 cu yds excavation, class 2—Bid 1, 32c; 2, 30c; 3, 40c; 4, 45c; 5, 37c; 6, 65c; 7, 50c; 8, 50c; 9, 45c; 10, 40c; 11, 32c.
19. 50 cu yds excavation, class 3—Bid 1, 60c; 2, \$1; 3, 75c; 4, 85c; 5, \$1.50;

- 6, 90c; 7, \$1.8; 8, \$1.9; 9, \$1; 10, 80c; 11, 70c.
20. 2,000 sta. cu yds overhaul—Bid 1, 2c; 2, 2c; 3, 2c; 4, 2c; 5, 2c; 6, 2c; 7, 2c; 8, 2c; 9, 2c; 10, 2c; 11, 2c.
- Total schedule 5—Bid 1, \$4,909; 2, \$5,870; 3, \$7,017.50; 4, \$7,717.50; 5, \$8,432; 6, \$8,200; 7, \$7,960; 8, \$7,960; 9, \$9,105; 10, \$9,090; 11, \$7,329.

San Francisco, Vertical Steam Pump.

The following bids were received by the depot quartermaster, San Francisco, Cal., under office circular No. 118, for one steam vertical pump, 10x8½x12 inch:

Bid 1. The Blake & Knowles Steam Pump Works, Sharon Building, San Francisco, Cal., \$650, delivery at East Cambridge, Mass., and \$725, delivery at San Francisco.

2. Warren Steam Pump Co., Warren, Mass., \$660, delivery at Warren Mass.; \$720, at San Francisco.

3. M. T. Davidson Co., New York City, \$725, delivery at New York; \$775, at San Francisco.

4. The Lockwood Mfg. Co., East Boston, Mass., \$850, delivery at Warren, Mass.; \$1,045, at San Francisco.

5. Fairbanks, Morse & Co., 651 Mission street, San Francisco, Cal., with cast iron water ends, \$961.50; with cast brass water ends, \$1,616.50, delivery at Beloit, Wis.; for delivery at San Francisco, with cast iron water ends, \$1,031; with cast brass water ends, \$1,686.

6. Dean Bros. Steam Pump Works, Indianapolis, Ind., \$450, delivery at Indianapolis; \$565, at San Francisco.

Award has been recommended to bids 1 and 6 for delivery of pump at respective factories at prices indicated.

Riverside, Cal., Painting.

The following bids were received by the custodian, U. S. post office, Riverside, Cal., for painting plastering in the U. S. post office at Riverside, Cal.: Fairfax Bros., Geneva, N. Y., \$555. Grohne Contracting Co., Joliet, Ill., \$693.

J. P. Sullivan, Chicago, Ill., \$694. George F. Drobish, Riverside, Cal., \$833.

H. E. Zelinsky, Los Angeles, Cal., \$945.

Joe W. Cornwell, Riverside, Cal., \$1,419.50.

Arenz-Warren Co., Los Angeles, Cal., \$1,258.

Scows for Panama Canal.

The purchasing officer of the Panama Canal will soon call for bids for furnishing three 1,000-yard steel dump scows. The scows are to have four hoppers, one deck, seven transverse water-tight bulkheads, three longitudinal water-tight bulkheads in each rake, two water-tight longitudinal wing bulkheads, and one center line structural truss; the last two items extending from hopper end bulkhead to peak bulkhead at each end of scow. There will be eight wooden steel sheathed hopper doors or gates, complete, with hinges, lifting chains, etc. The doors are to be dropped by manual power and raised with a reversing steam engine, geared to hopper door shafts. The dimensions are: Length over all, 160 feet; length on bottom, 129 feet; beam molded, 50 feet 6 inches; depth molded, 13 feet 6 inches; draft, loaded, 11 feet.

Earthwork, Pablo Lateral.

The following bids were received at

the office of the U. S. Reclamation Service, St. Ignatius, Mont., for earth-work, Pablo lateral A and sublaterals, specification No. 287:

- Bid 1. A. L. Markus, Polson, Mont.
 2. Charles Wilhite & Co., Boise, Ida.
 3. Wilson Bros., Polson, Mont.
 4. Temple & Siroky, Heyburn, Idaho.
 5. T. H. Lynch, Orland, Cal.
 Item 1. Excavation, class 1, 105,000 cu yds—Bid 1, 15c; 2, 15.5c; 3, 17.95c; 4, 19.5c; 5, 26c.
 Item 2. Excavation, class 2, 600 cu yds—Bid 1, 60c; 2, 45c; 3, 50c; 4, 35c; 5, 50c.
 Item 3. Excavation, class 3, 400 cu yds—Bid 1, 90c; 2, 90c; 3, 50c; 4, 98c; 5, \$1.50.
 Item 4. Overhaul—All bidders, 2c per cu yd.
 Item 5. Total—Bid 1, \$16,570; 2, \$17,005; 3, \$19,447.50; 4, \$21,177; 5, \$28,300.

San Francisco, Cal., Plaster Models.

The following bids were received by the supervising architect, Treasury Department, Washington, D. C., for furnishing plaster models for lamp standards and brackets for the U. S. sub-treasury, San Francisco, Cal.:

- Rochette & Parzini Co., New York City, \$573.
 Neuman & Even, New York City, \$670.
 Menconi Bros., New York City, \$685.

Santa Barbara, Cal., Lamp Brackets, Etc.

The contract for furnishing and installing two lamp brackets and lamps, complete, in the U. S. post office at Santa Barbara, Cal., has been awarded to John Polachek Bronze & Iron Co., Long Island City, N. Y., at \$295.

Bellingham, Wash., Painting.

The contract for certain painting in the public lobby in the U. S. post office at Bellingham, Wash., has been awarded to Seth A. Atwood Paint and Wall Paper Co., Bellingham, Wash., at \$124; time to complete 15 days.

FORT HUACHUCA, ARIZ. — Post buildings, 1 and 2 story frame and concrete. Cost not stated. Engineer, Constructing Quartermaster, Fort Huachuca. Owner, United States Government. The Winget Construction Company, 413 Grant Bldg., L. A., was low bidder for the entire work for the erection of a group of buildings at Fort Huachuca, Ariz., located on the El Paso and Southwestern Railway near the Mexican border. An extremely low bid submitted by Contractor Sparks of Douglas was rejected. The work embraces the following structures: Five two-story frame and plaster captains' quarters, total cost about \$60,000; two-story frame and plaster bachelors' quarters, apartmented, cost about \$20,000; five frame and plaster barracks buildings, about 120x50 feet each, total cost about \$82,000; one frame and plaster laboratory building, cost about \$5,000; seven frame cavalry stables with rustic exteriors, cost about \$30,000; corrugated iron hay shed, cost about \$5,000; steel jail and guard house, cost about \$5,500; remodeling quartermaster's barracks, cost about \$16,000; remodeling laboratory, cost about \$6,000, and remodeling another small building, cost about \$4,000. All the frame buildings will have composition roofs and pine floors and trim. Contractors Barnes of Leavenworth, Kans., and Mayfield & Shaw of El Paso,

also submitted bids on the alternates. The bids are now being considered and contracts will probably not be awarded for at least ten days.

HALLS AND SOCIETY BUILDINGS.

STOCKTON, SAN JOAQUIN CO., CAL. — Lodge hall and stores, 3 or 4 story and base. Class C construction. Cost not stated. Architect, Ralph Morrell, Odd Fellows' Bldg., Stockton. Owners, Stockton Moose Hall Association. The building will be erected on San Joaquin street south of Main, having a frontage of 50 feet and a depth of 150 feet. The ground floor will be arranged for stores while the upper floors will contain the club rooms and a number of offices. If a four-story structure is erected one floor may be given over to living apartments. Only preliminary plans have been prepared and details cannot be given. Further mention will be made of the work.

CROCKETT, CONTRA COSTA CO., CAL. — Association building, 2 story, frame, \$37,500. Architect, W. H. Crim, Jr., 425 Kearny street, S. F. Owners, Young Men's Christian Association. The building will cover an area of 140 by 116 feet. The main floor will be arranged for a large auditorium, gymnasium, reading rooms, office and boys' department. The second floor will contain a dormitory for the members. Interior finish will be of pine throughout. There will be steam heat and a hot water supply. A large swimming tank will be installed. Exterior of the building will be covered with shiplap. Plans are being prepared.

ST. HELENA, SONOMA CO., CAL. — Lodge hall, 2 story, frame and plaster, \$12,000. Architect, W. H. Corlett, Napa. Owners, St. Helena Parlor Native Sons. The building will be erected on Spring street. The main floor will be arranged for a large banquet room, kitchen and ticket office. The upper floor will contain a hall 32 by 52 feet, ante rooms, ladies' parlor and club room. Interior will be finished in pine throughout. Exterior of the building will be covered with cement plaster on metal lath. Plans are complete and figures are being taken.

HOSPITALS.

SAN FRANCISCO — Hospital addition, 4 story and base. Class A construction, \$1,000,000. Architect not selected. Owners, City and County of San Francisco. The Board of Public Works has instructed the City Department of Architecture to arrange for plans and specifications for an additional wing to be erected at the southeast of the present San Francisco Hospital. This building will be similar in design to the present structure and will cost in the neighborhood of \$1,000,000. A competition may be held to secure plans for the building, but a definite decision will be reached on Friday.

HOTELS.

PLACERVILLE, PLACER CO., CAL. — Hotel, 3 story and base, brick. Cost not stated. Architect, Joseph Ogborn, Richmond. Owner, J. A. Raffetto. The building will contain a total of 36 guest rooms, office, lobby and dining room. Interior will be finished in pine and redwood. There will be steam heat

and a hot water system. A number of private baths will be provided. Bath rooms will have tile wainscot and composition floors. Private baths will be equipped with showers. Exterior of the building will be faced with pressed brick. All other brick will be taken from a building now occupying the site. Plans are being prepared.

PANAMA-PACIFIC EXPOSITION WORK.

Contracts Awarded.

SAN FRANCISCO — Foreign exhibit building, 2 story, frame and plaster, \$88,820. Architect's name not given. Owners, French Government. Contractors, Lindgren Co., Monadnock Bldg., S. F. Contract price, \$88,820.

SAN FRANCISCO — Display booth, frame construction. Cost not stated. Architect, none. Owners, Randall Elevator Door Control, S. F. Contractors, Fink & Schindler Co., S. F. Contract price not stated. The booth will be erected in the Machinery Palace.

SAN FRANCISCO — Exhibit booth. Cost not stated. Architect, none. Owners, New York Manufacturers. Contractors, Fink & Schindler Co., S. F. Contract price not stated.

RAILROAD CONSTRUCTION AND EQUIPMENT.

VALLEJO, SOLANO CO., CAL. — Railroad construction, \$86,500. Engineer's name not given. Owners, Vallejo-Benicia Railroad Co. The Chamber of Commerce has endorsed the construction of the Vallejo-Benicia Railroad. Details concerning the cost of the proposed road have been filed with the Chamber by the promoters. They are as follows:

Grading	\$12,000
Ties, poles, etc.	15,000
Rails, etc.	28,000
Track laying and surfacing	3,000
Spikes	500
Overhead and bonding	6,000
Two cars	7,000
City construction	10,000
Engineering	5,000

Total \$86,500

RESIDENCES.

SAN FRANCISCO — Residences, 6, 2 story and base, frame, \$2,500 each. Architect, none. Owner, J. Anderson, 423 16th avenue, S. F. These houses, each designed to contain five rooms, will be erected on the west side of 17th avenue south of Geary street. Interiors will be finished in pine, redwood and elm. Hardwood floors will be used in the living and dining rooms. There will be open fire places and tile and brick mantels. Bath rooms will have tile wainscot. Automatic water heaters will be installed. Exteriors will be covered with rustic and cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor. Materials are now being purchased.

SAN FRANCISCO — Residence, 2 story and base, frame, \$3,000. Architect, none. Owner, Martin Hanson, 2426 Mission street, S. F. The dwelling will be erected on the north side of 28th

street east of Noe, and has been designed for a six-room house with bath. Interior finish will be of pine and redwood with some elm panels. Hardwood floors will be used in the living and dining rooms. There will be open fire places and tile mantels. Bath room will be finished in tile. An automatic water heater will be installed. Exterior of the house will be covered with rustic and cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor. Materials are now being purchased.

SAN FRANCISCO—Residence, 1½ story and base, frame, \$2,500. Architect, none. Owner, John Casity, 327 Brazil street, S. F. The dwelling has been designed for a six-room house with bath and garage, and will be erected on the west side of London street north of Brazil. Interior will be finished in pine and redwood. Some hardwood floors will be used. There will be a large open fire place in the living room with mantel of tile or brick. Tile wainscot will be used in the bath room. Exterior of the house will be covered with rustic and cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor. Materials are now being purchased.

SAN FRANCISCO—Cottage, 1 story and base, frame, \$2,000. Architect, none. Owners, Parkside Home Building Co., Crocker Bldg., S. F. This house will be erected for C. W. Schumacher on the west side of 24th street near Ulloa and will contain five rooms and bath. Interior finish will be largely of pine and redwood. Some hardwood floors will be used. There will be one open fire place and tile or brick mantel. Bath room will have tile wainscot. Exterior of the dwelling will be covered with rustic and cement plaster on metal lath. Plans are complete and in the hands of the owners who will do the work by Day Labor. Materials are now being purchased.

SAN FRANCISCO—Residence, 2 story, attic and base, frame and brick. Cost not stated. Architect, Henry Shermund, Mills Bldg., S. F. Owner, Sol Bibb. The dwelling has been designed for a high class city dwelling of the two-story, attic and basement type to be erected on a 26 by 120 foot lot on the east side of 20th avenue near Lake street in the Richmond District for Sol Bibb. The house has been designed along lines suggestive of the Spanish Renaissance and will be covered with cement plaster trimmed with pressed brick. Many features will be introduced which will make this one of the most charming homes in the district. Located as it is close to the bay shore, the architect has designed the dwelling so as to make the most of the view obtained. The first floor, which will be finished entirely in hardwoods, will contain a large living room, dining room, breakfast room, butler's pantry and kitchen. The second floor will be arranged for three bed rooms with private dressing rooms, solarium and a servant's room. In the attic will be the library and studio overlooking the Golden Gate, while opening off the library and studio will be a large roof garden. Upper floors will be finished in selected pine and white enamel. Hardwood floors will be used throughout. Special attention has

been given to the bath rooms, which will be finished with tile floors and wainscot. A recessed shower cabinet lined with marble will be used in the bath room. Tile floor and wainscot is also specified for the kitchen. Basement will contain a garage, wine room, den and storage space.

BERKELEY, ALAMEDA CO., CAL.—Residence, 2 story and base, frame. Cost not stated. Architect, N. W. Shaw, 3037 Bateman street, Berkeley. Owner, E. E. Eitel. The dwelling will be erected in the Claremont Tract, and has been designed to contain seven rooms, bath and sleeping porch. Interior finish will be of pine, redwood and hardwood veneer. Hardwood floors will be used in the living and dining rooms. Plans provide for furnace heat and open fire places. Mantels will be of tile and brick. An automatic water heater will be installed. Tile wainscot and floor will be used in the bath room. Exterior of the house will be covered with cement plaster on metal lath. Plans are complete and figures are being taken.

BERKELEY, ALAMEDA CO., CAL.—Residence, 2 story and base, frame, \$3,500. Architect, none. Owner, A. S. Holmes, Dalziel Bldg., Oakland. The dwelling will be erected in Thousand Oaks and has been designed for a seven-room house with two baths and sleeping porch. Interior finish will be of pine and hardwood. Hardwood floors will be used in the living room, dining room and reception hall. There will be furnace heat and open fire places. Mantels will be of tile and brick. Tile wainscot and floor will be used in the bath room. An automatic water heater will be installed. Exterior of the house will be covered with cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor. Materials are now being purchased.

BERKELEY, ALAMEDA CO., CAL.—Residence, 2 story and base, frame, \$4,000. Architect, H. P. Smith, Blake Bldg., Oakland. Owner, P. O. Boyd. The dwelling will be erected in Boyd Place and has been designed for a seven-room house with two baths, sleeping porch and garage. Interior finish will be of pine and hardwood. Hardwood floors will be used in the living and dining rooms and reception hall. There will be furnace heat and open fire places. Mantels will be of tile and brick. An automatic water heater will be installed. Bath rooms will have tile wainscot and floors. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor.

PORTLAND, ORE.—Residence, 2 story, attic and base, brick and frame, \$25,000. Architect, W. B. Bell, Sherlock Bldg., Portland. Owner, A. C. Ruby. The dwelling has been designed for a high class country home and will be erected on the Base Line road about ten miles out of the city of Portland. The dwelling will contain fourteen rooms, three baths, three sleeping porches and servants' quarters. A garage will also be erected on the property. Interior of the house will be finished in hardwoods and white enamel. Hardwood floors will be used throughout. There will be steam heat, a vacuum cleaning system, ice

plant and hot water supply. Bath rooms will be finished in tile and equipped with showers. There will be open fire places and tile mantels. Exterior of the house will be faced with pressed brick. Plans are nearly complete and figures will be called for shortly.

SACRAMENTO, CAL.—Residence, 1 story and base, frame, \$3,000. Architect, none. Owner, C. I. Chinson, 321 7th street, Sacramento. The dwelling has been designed to contain seven rooms and bath and will be erected on 28th street. Interior will be finished in pine and redwood. Hardwood floors will be used in the living room, dining room and reception hall. There will be furnace heat and open fire places. Mantels will be of tile. Tile wainscot will be used in the bath room. An automatic water heater will be installed. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor.

Contracts Awarded.

CORONADO BEACH, SAN DIEGO CO., CAL.—Residence, 2 story, attic and base, hollow tile, \$36,375. Architect, Elmer Grey, Wright and Callender Bldg., L. A. Owner, Gale Thompson, Chicago. Contractors, Frank Graves & Son, Stimson Bldg., L. A. Contract price, \$36,375.

SCHOOLS.

BERKELEY, ALAMEDA CO., CAL.—Schools, 5, 1 and 2 story. Class C construction, \$35,000 to \$100,000. Architects as follows. Owners, City of Berkeley. The following architects have been selected to design the five new Berkeley Schools. Architect Walter Reed, Oakland Bank of Savings, Oakland, will design the West Berkeley School, containing six class rooms and costing \$35,000. Architects Coxhead & Coxhead, Hearst Bldg., San Francisco, will design the North Berkeley School, containing seven class rooms and an auditorium to seat 400, cost \$37,000. Architect W. H. Ratcliff, Jr., First National Bank Bldg., Berkeley, will design the South Berkeley School, containing 12 class rooms and an auditorium seating 500, cost \$70,000. Architects Hobart & Cheney, Crocker Bldg., San Francisco, will design the Ward School at Ward and Telegraph avenue, containing 18 class rooms and an auditorium seating 700, cost \$100,000, and Architect James W. Plachek, Acheson Bldg., Berkeley, will design the Claremont School, containing 6 class rooms and an auditorium seating 250 people, cost \$28,000. All buildings will be of the Class C type of construction. The various architects are now at work on the plans.

FRESNO, FRESNO CO., CAL.—School, 1 story and base. Class C construction. Cost not stated. Architect, Eugene Mathewson, Forsythe Bldg., Fresno. Supervising Architect, W. D. Coates, Rowell Bldg., Fresno and Addison-Head Bldg., S. F. Owners, City of Fresno. The building will be erected in the Englewood Addition and will contain 12 class rooms and a large auditorium. Interior will be finished in pine with maple floors. Construction will be of the slow burning type with reinforced concrete floors and corridors. There will be a central heating system, oil burning equipment, pro-

gram clocks and modern ventilation. Exterior will be faced with cement plaster. Plans are complete and figures are being taken. Bids will be opened on February 5th. Plans and specifications can be secured from the Supervising Architect.

OAKLAND, CAL.—School, 2 story, frame and plaster, \$35,000. Architect, J. J. Donovan, Security Bank Bldg., Oakland. Owners, City of Oakland. The building will be erected at the corner of Fifth and Linden streets and has been designed to contain eight class rooms and an assembly hall. Interior will be finished in pine with some maple floors. There will be a modern system of heating and ventilating, special school plumbing and program clocks. Exterior of the building will be covered with cement plaster on metal lath. Plans are now being prepared.

ROSEVILLE, PLACER CO., CAL.—School, 1 story and base, concrete and frame, \$45,000. Architect, W. H. Weeks, 75 Post street, S. F. Owners, Roseville School District. The building has been designed in the Mission style and will contain twelve class rooms and an assembly hall seating 400 people. Interior finish will be of pine with maple floors in the class rooms. There will be a central heating system, modern school plumbing and program clocks. Exterior of the building will be covered with cement plaster. Plans are complete and figures are being taken. Bids will be opened on January 14th. Plans and specifications can be secured from the architect.

COLTON, SAN BERNARDINO CO., CAL.—School, 2 story and base, brick, \$75,000. Architects, Allison & Allison, Hibernian Bldg., L. A. Owners, Colton School District. The building has been designed to contain sixteen class rooms, assembly hall, manual training and domestic science departments. Interior will be finished in pine throughout. There will be a central heating system and modern school plumbing. Exterior of the building will be faced with sand lime brick. A clay tile roof will be used. Plans are complete and bids will be called for at once.

HAWTHORNE, LOS ANGELES CO., CAL.—School, 1 story and base, brick, \$45,000. Architect, W. C. Pennell, Baker-Detwiler Bldg., L. A. Owners, Hawthorne School District. The building has been designed to contain eight class rooms, a large auditorium and teachers' rooms. The basement will not be finished. Interior will be finished in pine with maple floors in the class rooms. Plans provide for steam heat and ventilation and modern school plumbing. Exterior will be faced with pressed brick. Plans are being prepared.

Contracts Awarded.

HOLTVILLE, IMPERIAL CO., CAL.—School, 1 story and base, hollow tile construction. Cost not stated. Architects, Allison & Allison, Hibernian Bldg., L. A. Owners, Holtville School District. Contractors, Nance & Phelps, 9th and Central streets, L. A., general construction. Contract price not stated. Gentler & Gent, Holtville, plumbing, \$1,907. Note. Contract for the heating and ventilation has not been awarded.

SEWERS, STREET WORK & WATER STORES AND OFFICES.

CHICO TO NELSON, BUTTE CO., CAL.—Highway construction. Cost not stated. Engineer, State Highway Commission, Forum Bldg., Sacramento. Owners, State of California. Plans and specifications have been completed and approved for constructing that portion of the State Highway between Chico and Nelson in Butte County. Bids are now being taken and will be opened by the Commission on February 1st. Plans and specifications can be secured either from the State Highway Commission at Sacramento or from the District Engineers in San Francisco or Los Angeles. An official proposal appears in another column of this issue.

SANTA CLARA, SANTA CLARA CO., CAL.—Street improvement. Cost not stated. Engineer, City Engineer H. B. Fisher, Santa Clara. Owners, Town of Santa Clara. Engineer H. B. Fisher is now making an official survey of the streets and sidewalks in Santa Clara as the town trustees will soon order a number of the streets paved. At this time among the streets to be improved are: The San Francisco road from the corner of Scott's Lane to Lincoln street and Lincoln street to Bellomy, also Franklin street from Lincoln to Jefferson, Grant from Franklin to the town limits of Alameda, Liberty street from Jefferson to the railroad station between Liberty and Benton streets, and Franklin street from Grant to the railroad station. The work will be done under the 1901 improvement act.

PORTERVILLE, TULARE CO., CAL.—Street paving, asphalt and concrete. Cost not stated. Engineer, City Engineer, Porterville. Owners, City of Porterville. Members of the Board of Trustees at their last meeting voted unanimously for the improvement of 33 blocks of the residence streets with asphalt concrete paving, resolutions ordering the work done having been passed. The streets to be improved include the following: Main street from Olive to Morton street. Hockett street from Oak street to Morton street. D street from Mill street to Morton street. Second street from Oak street to Cleveland street. Oak street from Division street to Hockett street. Oak street from Main street to Grevilla street. Cleveland street from Second street to the Southern Pacific reservation. Lafayette street from Hockett street to E street. Putnam avenue from Division street to Hockett street. Division street from Thurman street to Mill street. Black's Alley from Main street to Hockett street. The alleys between Main street and Second street, between Cleveland street and Putnam avenue, between Mill street and Garden street, and from Olive street two blocks north.

RICHMOND, CONTRA COSTA CO., CAL.—Sewers. Cost not stated. Engineer, City Engineer Chapman, Richmond. Owners, City of Richmond. City Engineer Chapman has been instructed by the City Council to prepare plans and specifications for sewers in Main, Solto and other streets in the Burg tract. On completion of the plans and their approval by the Council bids will be called for on the work.

RICHMOND, CONTRA COSTA CO., CAL.—Channel dredging, \$16,000. En-

gineer, City Engineer Chapman, Richmond. Owners, City of Richmond. Plans and specifications presented to the City Council for the dredging of the south channel of San Pablo canal have been approved and the City Clerk has been directed to advertise for bids on the work. The channel will be 80 feet in width and will have six feet of water at low tide. The channel will be dredged for over one mile, or a distance of 5,600 feet. The work will cost in the neighborhood of \$15,600 or \$16,000. Bids close January 18th.

SOLANO, SOLANO CO., CAL.—Reclamation and irrigation project, \$365,000. Engineer's name not given. Owners, Solano Irrigated Farms Co., Holbrook Bldg., S. F. Announcement of application by the United Railroads to the State Railroad Commission for permission to undertake the rehabilitation of the defunct Solano Irrigated Farms has been made public by Jesse Lillenthal, president of the company. The application has been in the hands of the Commission for a month, but publication of the fact that it had been received was withheld at the request of President Lillenthal. To put the Solano project on its feet would require \$365,000, Lillenthal informed the Commission, and the immediate application of \$65,000 is necessary to save the entire investment from going by the board.

NAPA, NAPA CO., CAL.—Electrolliers, ornamental metal. Cost not stated. Engineer, none. Owners, Town of Napa. The placing of electrolliers on the new First street bridge is now being discussed by the City Council, and from present indications the work will be ordered shortly.

REDWOOD CITY, SAN MATEO CO., CAL.—Highway construction. Cost not stated. Engineer, County Surveyor, Redwood City. Owners, San Mateo County. Plans have been completed and figures are now being taken for the construction of 2.436 miles of highway beginning at the intersection of the State Highway at Redwood City and continuing out Santa Cruz avenue through Menlo Park to Palo Alto. Bids will be opened on February 1st. Plans and specifications can be secured from the County Surveyor.

REDWOOD CITY, SAN MATEO CO., CAL.—Highway construction. Cost not stated. Engineer, County Surveyor, Redwood City. Owners, San Mateo County. Plans and specifications have been completed for constructing approximately 6.326 miles of highway in Road District No. 1 of San Mateo County. Bids will be opened on February 1st. Plans and specifications can be secured from the County Surveyor.

BAKERSFIELD, KERN CO., CAL.—Sewer construction. Cost not stated. Engineer, City Engineer, Bakersfield. Owners, City of Bakersfield. Plans for approximately 4,800 feet of six-inch vitrified pipe sewer to be constructed in Sewer District No. 23 have been completed and approved. Bids will be opened on January 20th. Plans and specifications can be secured from the City Engineer.

BAKERSFIELD, KERN CO., CAL.—Sewer construction. Cost not stated. Engineer, City Engineer, Bakersfield. Owners, City of Bakersfield. Plans and specifications for constructing approximately 7,929 feet of six-inch vit-

rified sewer in Sewer District No. 22 have been completed and approved. Bids are now being taken and will be opened on January 20th. Plans and specifications can be secured from the City Engineer.

SACRAMENTO, CAL.—Street work. Cost not stated. Engineer, City Engineer, Sacramento. Owners, City of Sacramento. Plans for improvement of E street by installing concrete curbs, cast iron manholes and covers have been completed and figures are being taken. Plans have also been approved for constructing an asphalt pavement on D street for which bids are also being taken. Bids will be opened for both jobs on January 20th. Plans and specifications can be secured from the City Engineer.

Contracts Awarded.

VALLEJO, SOLANO CO., CAL.—Street paving. Cost not stated. Engineer, City Engineer, Vallejo. Owners, City of Vallejo. Contractors, City Street Improvement Co., S. F. Contract price, 30 cents per square foot.

SAN RAFAEL, MARIN CO., CAL.—Street paving, asphalt. Cost not stated. Engineer, City Engineer, San Rafael. Owners, City of San Rafael. Contractors, Clark & Henery, Stockton. Contract price not stated.

SAN MATEO, SAN MATEO CO., CAL.—Street paving, \$3,075. Engineer, City Engineer, San Mateo. Owners, City of San Mateo. Contractors, Federal Construction Co., Redwood City. Contract price, \$3,075.

MODESTO, STANISLAUS CO., CAL.—Drainage ditches, \$12,464. Engineer, Modesto Irrigation District. Owners, Modesto Irrigation District. Contractor, E. K. Finney, Modesto. Contract price, \$12,464.

REDWOOD CITY, SAN MATEO CO., CAL.—Street construction. Cost not stated. Engineer, County Surveyor, Redwood City. Owners, San Mateo County. Contractor, James Wilson, Redwood City. Contract price not stated. This contract covers the construction of Kelly avenue at Half Moon Bay.

TULARE, TULARE CO., CAL.—Conduit and cable, \$4,300. Engineer, City Engineer, Tulare. Owners, City of Tulare. Contractor, D. S. McEwan Electric Co., Ocean Park. Contract price, \$4,300.

STORES AND OFFICES.

SAN FRANCISCO—Restaurant alterations. Class A construction. Cost not stated. Architect, G. Albert Lansburgh, 709 Mission street, S. F. Owner, Mr. Meyerfeld, Orpheum Theatre. The ground floor of the building at the northwest corner of Sutter and Grant avenue, formerly occupied by the D. Samuels Lace House, will undergo extensive alterations. A large and modern restaurant will be installed. The alteration work includes a large amount of interior finish, marble and tile work, ornamental plaster, electric work, plumbing and painting. Plans are nearly complete and figures will be taken next week.

SAN FRANCISCO—Stores and billiard hall, 2 story and base, brick and steel. Cost not stated. Architects, Rousseau & Rousseau, Monadnock Bldg., S. F. Owner, Ernest Heuter. The building will be erected at the northeast corner of California and

Fillmore streets, covering a considerable ground area. There will be six stores on the first floor and a large billiard and pool hall on the second floor. Interior will be finished in pine with hardwood in the display windows. Patent store fronts are specified. Exterior of the building will be faced with pressed brick trimmed with terra cotta. Plans are complete and figures are being taken.

SACRAMENTO, CAL.—Store alteration, frame construction, \$3,000. Architect, none. Owner, J. Wright, 1016 5th street, Sacramento. This work will consist of the installation of new store fronts, metal bars. Some new interior finish will also be installed. Plans are complete and in the hands of the owner who will do the work by Day Labor. Materials are now being purchased.

THEATRES.

SAN FRANCISCO—Theatre, 1 story, brick and steel, \$10,000. Architect, August Headman, New Call Bldg., S. F. Owner's name not given. The building will be erected on Stockton street and will contain one store besides the theatre. The theatre will have a seating capacity of 800 people and will be finished in pine and ornamental plaster. A modern system of ventilation will be installed. Special electric work will be specified. Exterior will be faced with pressed brick. Plans are complete and figures are being taken.

SEALED PROPOSALS

PROPOSALS FOR CANAL SUPPLIES.

PANAMA CIRCULAR 889—Proposals for Fuel Oil for the Year Ending December 31, 1915.—Sealed proposals will be received at the office of the general purchasing officer, the Panama Canal, Washington, D. C., until 10:30 a. m. January 15, 1915, at which time they will be opened in public, for furnishing the above mentioned articles. Blanks and general information relating to this circular (No. 889) may be obtained from this office or the office of the assistant purchasing agent, 1086 North Point street, San Francisco, Cal.; also from the U. S. engineer offices in the following cities: Seattle, Wash.; Los Angeles, Cal. F. C. BOGGS, major, corps of engineers, U. S. army, general purchasing officer.

PROPOSALS FOR CANAL SUPPLIES.

PANAMA CIRCULAR 890—Proposals for Cast Iron Lamp Posts and Porcelain Receptacles and Lamp Sockets for Same, Electric Cable, Steel Cable, Steel Pipe and Pontons for Same, Cast Iron Washers, Stovepipe, Garbage Cans, Buckets, Anchors, Brass Bolts and Washers, Door Bolts, Power Hack Saw, Anchor Lights, Cheesecloth, Sash Cord, Chalk Line Twine, Rubber Bands, Bristol Board and Padboard, Manganese Dioxide, and Potassium Chlorate.—Sealed proposals will be received at the office of the general purchasing officer, the Panama Canal, Washington, D. C., until 10:30 a. m. January 21, 1915, at which time they will be opened in public, for furnishing the above mentioned articles. Blanks and general information relating to this circular (No. 890) may be obtained from this office or the office of the assistant purchasing agent, 1086 North Point street, San Francisco, Cal.; also from the U. S. engineer offices in the following cities: Seattle, Wash.; Los Angeles, Cal. F. C. BOGGS, major, corps of engineers, U. S. army, general purchasing officer.

PROPOSALS FOR STEEL PIPES.

STEEL PIPES—Department of the Interior, United States Reclamation Service, Fletcher, Mont.—Sealed proposals will be received at the office of the

United States Reclamation Service, Browning, Mont., until 2 o'clock p. m. January 20, 1915, for the construction of concrete piers for supporting the steel pressure pipes at the Hall's Coulee Crossing of the St. Mary's Canal, St. Mary's Storage Unit, Milk River project, Mont. The work involves about 250 cubic yards of concrete and 1,000 cubic yards of excavation and backfilling and is situated in the Blackfeet Indian Reservation, about 35 miles northwest of Browning, Mont. For particulars address the United States Reclamation Service, Great Falls, Mont., or Fletcher, Mont. H. N. SAVAGE, supervising engineer.

PROPOSALS FOR WOOD STAVE PIPE.

WOOD STAVE PIPE—Department of the Interior, United States Reclamation Service, Montrose, Colo.—Sealed proposals will be received at the office of the United States Reclamation Service, Montrose, Colo., until 4 o'clock p. m. January 14, 1915, for the construction of approximately 1,764 linear feet of 17-inch diameter wood stave pipe for the Uncompahgre Valley project, Colo. Alternative bids will be received for furnishing metal banded or machine banded wood stave pipe made either of Douglas fir or California redwood. FRED P. PYLE, project manager.

PROPOSALS FOR STEEL TOWERS.

STEEL TOWERS—Sealed proposals, indorsed "Proposals for Steel Towers," will be received at the bureau of yards and docks, Navy Department, Washington, D. C., and at the U. S. naval station, Cavite, P. I., until 11 o'clock a. m. February 27, 1915, and then and there publicly opened for the construction and erection of three 600-foot steel towers at each of the following naval stations: San Diego, Cal.; Pearl Harbor, Hawaii, and Cavite, P. I. Plans and specifications may be obtained on application to the bureau or at the naval stations named upon deposit of \$25 as security for their return. H. R. STANFORD, chief of bureau.

NOTICE INVITING BIDS.

NOTICE is hereby given that sealed bids will be received by the Clerk of the Board of Supervisors of San Joaquin County, California, at the office of said Board, in the City of Stockton, until 10 o'clock a. m. of Thursday, January 28, 1915, for furnishing steel furniture and fixtures for the office of the Auditor of San Joaquin County according to plans and specifications prepared by the M. G. West Company and adopted by said Board, December 28, 1914, and to which bidders are particularly referred.

All bids must be presented in sealed envelopes marked to designate the work bid for.

All proposals must be accompanied by United States currency or certified check made payable to the Chairman of the said Board of Supervisors in the sum of 10 per cent of the amount of the bid and a bond of 50 per cent of the contract price will be required of the successful bidder.

The Board reserves the right to reject any or all bids.

By order of said Board made January 4, 1915.

EUGENE D. GRAHAM,
Clerk.
By S. A. CARTER,
Deputy Clerk.

STATE OF CALIFORNIA.

DEPARTMENT OF ENGINEERING.

CALIFORNIA HIGHWAY COMMISSION

NOTICE TO CONTRACTORS.

SEALED PROPOSALS will be received at the office of the California Highway Commission, 515 Forum Building, Sacramento, Cal., until 2 o'clock p. m. on February 1, 1915, at which time they will be publicly opened and read, for construction in accordance with the specifications therefor, to which special reference is made, portions of State Highway as follows:

Butte County from Nelson to Chico

(III-But-3-C), about 12.6 miles in length, to be built of Portland cement concrete.

Plans may be seen, and forms of proposal, bonds, contract, and specifications may be obtained at the said office, and they may be seen at the offices of the Division Engineers at Los Angeles and San Francisco, and at the office of the Division Engineer of the division in which the work is situated. The Division Engineers' offices are located at Willits, Dunsmuir, Sacramento, San Francisco, San Luis Obispo, Fresno, and Los Angeles.

No bid will be received unless it is made on a blank form furnished by the Commission. The special attention of prospective bidders is called to the "Notice to Contractors" annexed to the blank form of proposal, for full directions as to bidding, quantities of work to be done, etc.

The Department of Engineering reserves the right to reject any or all bids or to accept the bid deemed for the best interests of the State.

CHARLES D. BLANEY,
NEWELL D. DARLINGTON,
CHARLES F. STERN,

California Highway Commission.

AUSTIN B. FLETCHER,

Highway Engineer.

WILSON R. ELLIS, Secretary.

Dated: December 22, 1914. (*)

NOTICE TO CONTRACTORS.

PANAMA-PACIFIC INTERNATIONAL EXPOSITION.

SEALED PROPOSALS will be received by the Buildings and Grounds Committee of the Panama-Pacific International Exposition Company at Room 213, in the Service Building, Fillmore and Chestnut Streets, San Francisco, at 9:00 A. M., Tuesday, January 12, 1915, for Steam Heating System, Boiler House and Domestic Hot Water Distribution for Race Track Grand Stand No. 2, in accordance with plans and specifications on file in the office of the Director of Works.

The right is reserved to reject any and all bids and to waive technical defects if in the interest of the Exposition Company.

Plans and specifications for the work may be obtained from the Director of Works, Room 207, Service Building, Fillmore and Chestnut Streets, San Francisco. Any other information may be had from the Chief of Construction, Room 211, Service Building. (*)

PROPOSALS FOR BUILDING.

BUILDING — Treasury Department, Office of the Supervising Architect, Washington, D. C.—Sealed proposals will be opened in this office at 3 p. m. on January 22, 1915, for the construction (including the mechanical equipment, interior lighting fixtures and approaches), of a one-story, basement and stone and brick-faced building of 4,650 square feet ground area, fireproof first floor, tin and composition roof, for the United States post office at Uvalde, Tex. Drawings and specifications may be obtained from the custodian of the site at Uvalde, Tex., or at this office, in the discretion of the supervising architect. O. WENDEROTH, supervising architect.

NOTICE TO CONTRACTORS.

OFFICE CONSTRUCTING QUARTERMASTER, Fort Mason, Cal., December 29, 1914. SEALED PROPOSALS, in triplicate, for constructing a Ward for Special Surgical Cases and an addition to the Nurses' Dormitory, at the Letterman General Hospital, will be received here until 11 A. M., January 18, 1915, and then opened. Plans, specifications, blank forms, etc., can be obtained here. Deposit of \$10.00 required to insure return of plans, etc. Proposals to be enclosed in sealed envelopes and addressed GEO. McK. WILLIAMSON, Lt. Col., Q. M. Corps. (*)

PROPOSALS FOR CANAL SUPPLIES.

PANAMA CIRCULAR No. 2010—Office of the General Purchasing Officer, Panama Canal, Washington, D. C.—Sealed proposals will be received here until 10:30 a. m., January 13, 1915, under circular No. 2010 for furnishing switch-

board, transformer, cable clips, hasps and staples, strap hinges, brass tubing, sledge hammer handles, steel stamping letters, rubber water hose, boxing wood rules, zigzag rules, metallic and steel tapes, tarred marine, steel pilots and lumber. For further information address F. C. BOGGS, major, corps of engineers, U. S. army, general purchasing officer.

PROPOSALS FOR STEEL PIPE.

STEEL PIPES—Department of the Interior, United States Reclamation Service, Fletcher, Mont.—Sealed proposals will be received at the office of the United States Reclamation Service, Browning, Mont., until 2 o'clock p. m., January 20, 1915, for the construction of concrete piers for supporting the steel pressure pipes at the Hall's Coulee Crossing of the St. Mary's Canal, St. Mary's Storage Unit, Milk River project, Mont. The work involves about 250 cubic yards of concrete and 1,000 cubic yards of excavation and backfilling and is situated in the Blackfeet Indian Reservation, about 35 miles northwest of Browning, Mont. For particulars address the United States Reclamation Service, Great Falls, Mont., or Fletcher, Mont. H. N. SAVAGE, supervising engineer.

PROPOSALS FOR CANAL SUPPLIES.

PANAMA CIRCULAR 888—Proposals for Structural Steel and Miscellaneous Material for Pier No. 7, Cristobal Terminal Docks.—Sealed proposals will be received at the office of the general purchasing officer, the Panama Canal, Washington, D. C., until 10:30 a. m., January 23, 1915, at which time they will be opened in public, for furnishing the above mentioned articles. Blanks and general information relating to this circular (No. 888) may be obtained from this office or the office of the assistant purchasing agent, 1086 North Point street, San Francisco, Cal.; also from the U. S. engineer offices in the following cities: Seattle, Wash.; Los Angeles, Cal. F. C. BOGGS, major, corps of engineers, U. S. army, general purchasing officer.

NOTICE INVITING PROPOSALS.

THE BOARD OF EDUCATION OF the City of Oakland, State of California, requests and will receive Proposals, or Bids, for the furnishing of all the Materials, Labor and Workmanship required in connection with the Clawson School, and to be erected on the easterly side of Union and Peralta streets between Thirty-second (32nd) and Thirty-fourth (34th) streets, in the City of Oakland, Alameda County, California.

All said Materials, Labor and Workmanship is to consist of that required by, and be in accordance with the Plans, Drawings, and Specifications prepared therefor and on file in the office of John J. Donovan, the Supervising Architect of the City of Oakland, to which said Plans and Specifications reference is hereby made.

All proposals shall be made upon and conform to the requirements of the forms of Proposals, prepared and furnished by the City, through the Supervising Architect, and shall be enclosed in sealed envelopes, endorsed "Bid for (name of school)," addressed to the Board of Education, and deposited by the Bidder, or his agent, with the Board, while in session, between 4:30 o'clock and 5:30 o'clock P. M., Pacific Time, on the 19th day of January, 1915, in the rooms of the Board in the City Hall, Oakland, California, and at the expiration of the time named the Bids will be opened, examined and publicly declared in open session of the Board.

Each bid shall bear an Affidavit of the Bidder as required by section 126 of the Charter of the City of Oakland, and of the form which will be furnished by the City with the Form of Proposal.

No person, firm or corporation shall be allowed to file or be interested in more than one Bid for the same work, and if on opening Bids, more than one Bid appears in which the same person, firm or corporation is interested, all such Bids will be rejected.

No Proposal or Bid will be received or considered which is not accompa-

nied by a check, certified by a responsible bank, payable to the order of Frank M. Smith, City Clerk, in an amount not less than ten per centum (10%) of the aggregate amount of the Proposal. Said check shall be forfeited to and be retained by the City if the successful Bidder fails or refuses to execute the Contract in the required form and furnish Bonds of the forms to be provided by the City and as required by the Charter of the City of Oakland, within twenty (20) days after receiving notice of award.

After the award and upon the execution of the Agreement, the Contractor shall at the same time execute to the City of Oakland and deliver to the City Clerk a bond guaranteeing to the City the faithful performance of the Contract, and in an amount equal to twenty-five per centum (25%) of the amount named in the Agreement. He shall likewise execute and deliver at the same time another and separate Bond to protect any and all persons performing labor upon or furnishing materials to be used upon the said work, and in an amount equal to fifty per centum (50%) of the amount named in said Agreement.

The Contractor will be required to begin work within five (5) days from the execution of the Contract—unless otherwise notified in writing by the Owner or Architect, and to fully complete the entire work in accordance with the requirements of the Agreement, Plans, Drawings and Specifications prepared therefor to the entire satisfaction of the Commissioner of Public Works and the Board of Education and within the space of One Hundred Seventy (170) working days thereafter as defined in the Agreement.

A bound set of the Forms of Proposal, and of the required Affidavits, Agreement, Bonds, Acknowledgments and Specifications will be furnished Contractors on demand at the office of the Supervising Architect of the City of Oakland, Security Bank Building, corner of Eleventh and Broadway. The Plans and Drawings may be had at the said office of the Supervising Architect after Thursday, December 31, 1914, within a reasonable time after application, and upon the deposit of Twenty-five Dollars (\$25.00), which deposit will be returned to the applicant when the said Plans and Drawings are returned to the Architect in good condition, one complete set of Plans and Drawings required for the work will be furnished each applicant for the General Contract work. Additional copies will, however, be furnished provided the applicant pays the cost of reproduction, such additional copies to be returned to the Architect together with the first set.

Each Bidder shall submit a formal Bid in strict accordance with and without deviation from the Plans and Specifications, unless such deviation shall have been previously authorized by, and written permission therefor obtained from, the Supervising Architect; in case any such deviation shall be allowed as aforesaid for the submission of the Bid or award of Contract, notice thereof will be served upon all of the Bidders by the Architect.

All information relative to the requirements for bidding, and all directions necessary to explain and make definite any of the provisions of the Specifications or Drawings will be given by the Supervising Architect upon application at his office.

The right is reserved to the Board in accordance with the provisions of the Charter of the City of Oakland, to reject any or all Bids submitted.

By order of the Board of Education of the City of Oakland, California.

Dated Dec. 24, 1914.

A. L. HANNAFORD,
Secretary of the Board of Education
of the City of Oakland.

PROPOSALS FOR PAINTING.

PAINTING—Office of the Custodian, U. S. Public Building, San Diego, Cal.—Sealed proposals will be received at this office until January 15, 1915, for painting in this building. For further information address C. H. BARTHOLOMEW, custodian.

PROPOSALS FOR CRANE.

CRANE—Sealed proposals indorsed "Proposals for Locomotive Cranes" will be received at the bureau of yards and docks, Navy Department, Washington, D. C., until 11 o'clock a. m. January 23, 1915, and then and there publicly opened, for two 15-ton locomotive cranes for the naval station, Pearl Harbor, Hawaii. Specifications may be obtained on application to the bureau of yards and docks. H. R. STANFORD, chief of bureau.

NOTICE TO CONTRACTORS.

SEALED BIDS will be received by W. F. McClure, State Engineer, Capitol Building, Sacramento, California, up to and including 12 o'clock, noon, Monday, February 1, 1915, said bids then and there to be publicly opened and read for furnishing all plant, materials, and labor, and doing the work required to complete the Mason Work, Structural Steel and Iron, Carpenter Work, Metal Furring, Lathing and Plastering, Sheet Metal and Roofing, Painting and Staining, Glass and Glazing, Ornamental Iron Work, Marble and Tile Work, and Electric Wiring of buildings to be known as "Main Building" and "Gymnasium and Boiler House," Fresno State Normal School, Fresno, California, in accordance with the plans and specifications therefor, copies of which may be obtained on application to the State Department of Engineering, Sacramento, California.

Such bids will be received for the Entire Work, and must be submitted on forms prepared and furnished by the State Department of Engineering.

Cash, a bidder's bond, or a certified check in the sum of ten per centum (10%) of the amount of the bid must accompany each bid.

A deposit of Twenty-five (\$25.00) Dollars will be required on plans and specifications; the deposit to be returned immediately on the return of the plans and specifications to the State Department of Engineering, at Sacramento, California, in good condition.

The State Department of Engineering reserves the right to reject any and all bids and to waive any informality in any bid received.

All bids must be addressed to W. F. McClure, State Engineer, Sacramento, California, and plainly marked on the envelope: "Proposals for 'Main Building' and 'Gymnasium and Boiler House,' Fresno State Normal School, Fresno, California."

[SIGNED] W. F. McCLURE,
State Engineer. (*)

NOTICE TO CONTRACTORS.

SEALED BIDS will be received by W. F. McClure, State Engineer, Capitol Building, Sacramento, California, up to and including 12 o'clock, noon, Monday, February 1, 1915, said bids then and there to be publicly opened and read for furnishing all plant, materials, and labor, and doing the work required to complete the Plumbing, Sewers and Gas Fitting, Vacuum Cleaning system, Steam Heating and Fitting and Indirect Heating and Ventilating System of buildings to be known as "Main Building" and "Gymnasium and Boiler House," Fresno State Normal School, Fresno, California, in accordance with the plans and specifications therefor, copies of which may be obtained on application to the State Department of Engineering, Sacramento, California.

Such bids will be received for the Entire Work, and must be submitted on forms prepared and furnished by the State Department of Engineering.

Cash, a bidder's bond, or a certified check in the sum of ten per centum (10%) of the amount of the bid must accompany each bid.

A deposit of Fifteen (\$15.00) Dollars will be required on plans and specifications; the deposit to be returned immediately on the return of the plans and specifications to the State Department of Engineering, at Sacramento, California, in good condition.

The State Department of Engineering reserves the right to reject any and all bids and to waive any informality in any bid received.

All bids must be addressed to W. F. McClure, State Engineer, Sacramento, California, and plainly marked on the envelope: "Proposal for Plumbing,

etc., for 'Main Building' and 'Gymnasium and Boiler House,' Fresno Normal School, Fresno, California.

[SIGNED] W. F. McCLURE,
State Engineer. (*)

MONTHLY BUILDING TOTALS FOR PAST YEAR.

The following figures are taken from the Records of the City Building Department:

January	\$ 7,349,816
February	4,574,281
March	3,956,475
April	1,707,064
May	1,781,148
June	1,308,882
July	2,068,537
August	1,415,271
September	820,081
October	1,479,518
November	988,587
December	717,903

Total\$28,174,563

LEASES

J. J. Dwyer, Thomas S. Williams and John H. McCallum constituting the Board of State Harbor Commissioners of the State of California to The Atchison, Topeka & Santa Fe Railway Co.—SE Bryant and Main E 181.78 S 242.76 N 160.89, 15 years, \$2047.22 per year. Filed Jan. 6, 1915.

G. Alessio and R. Moio to Nazereno A. Paris—SW Greenwich and Steiner, 2303 Greenwich, 3 years, \$1050 with option to renew. Filed Jan. 6, 1915.

Jan. 7, 1914—S CALIFORNIA, bet. Fillmore and Webster, No. 2321 California. S Evinger to Constance St. Hill, 3 years, \$7560 with option to renew.

Jan. 7, 1915—NOS. 1001 to 1013 Clement SW Cor. 11th Ave. Walter S. Thompson to D J Arata, J. Baidocci, A. Giovannoni, A. C. Lafette and J. P. Judice. 5 years \$9060.

Jan. 8, 1915—COMG. 121 S 18th (Falcon Ave) and 24 W Clover (Clover Alley) S 53.5 W 25 N 53.5 E 25. Elizabeth Taaffe to City and County of S. F., \$100 option to renew.

INCORPORATIONS

"People's Philharmonic Orchestra." To maintain an orchestra. Capital Stock, \$25,000; 25,000 shares at \$1 each; amount subscribed, \$30. Place of business, San Francisco. Directors—Herman Perlet, U. G. Saunders and A. L. Fomtnr, 10 shares each.

Sacramento Valley Telephone Company. To construct telephone and telegraph lines. Capital Stock, \$500,000; 5000 shares at \$100 each; amount subscribed, \$2500. Place of business, San Francisco. Directors—J. F. Campbell, F. Lukenbell, share each; J. R. Edwards, 23 shares.

Hoyle-Dennen Company. To deal in real estate. Capital Stock, \$40,000; 40,000 shares at \$1 each; amount subscribed, \$30. Place of business, San Francisco. Directors—C. H. Dennen, J. E. Hoyle, W. B. Ryder, 10 shares each.

Torno Process Company. To manufacture and sell New Process Marble. Capital Stock, \$9000; 90 shares at \$100 each; amount subscribed, \$300. Place of business, San Francisco. Directors—E. I. Marsh, H. T. Gardenier, T. Edmondson, 1 share each.

Rose Realty Company. General real estate business. Capital Stock, \$20,000; 2000 shares at \$10 each; amount subscribed, \$20,000. Place of business, San Francisco. Directors—A. Ratto, L. Haas, D Ratto and C. Haas.

C. A. Jory Co. To deal in automobiles, engines, machinery and appliances for generation system. Capital Stock, \$10,000; 100 shares at \$100 each; amount subscribed, \$300. Place of business, San Francisco. Directors—C. A. Jory, H. E. Lindsay, A. T. Jory 1 share each.

The Universal Co-operative Business Association. Capital Stock, none. Membership fee, \$1.00. To do a general bakery business. Place of business, San Francisco. 5 members.

CO-PARTNERSHIP.

Edward T. Maples as "Western Hotel Register" and "Daily Hotel Register." A Frascina as Demarta Painting Co. H. B. Mount, Mary Basch as Mount's Pharmacy.

P. J. Kelly, Geo. Campbell as New City Delivery Co.

NOTICE OF NON-RESPONSIBILITY.

Jan. 6, 1915—NW O'FARRELL AND Stockton N 137-6xW 137-6. Hyman Bros Co as to improvements on leased property

CONTRACT AWARDED FOR EXHIBIT BOOTH.

The Fink & Schindler Co. has been awarded the contract for the erection of the exhibit booth for the Columbus Dental Manufacturing Company of Columbus, Ohio. This booth is to be located in the Palace of Liberal Arts.

CONTRACTORS INFLUENCED BY ENGINEERS' OPINION.

Contractors are largely influenced by their opinions of engineers, says American Contractor. The engineer who has a reputation for ability, honesty, fairness and good disposition will attract bidders and the desire to do work under him would be an incentive to reasonably low prices. On the contrary, if contractors consider an engineer incompetent, dishonest, an inebriate and of a cranky disposition, they will often avoid bidding or add to their bid a sum which they hope will cover the excess cost of the work due to the general "cussedness" in the make-up of the engineer. It is a feature of contracting to size up the engineer with as much accuracy as possible, and many contractors become very expert thereat.

In bidding for work, contractors are almost as sensitive as weathervanes. As a rule, they run quite a risk of loss if they bid too low; and the engineer is at least one of the most important features in the situation. By reason of the characteristics of the engineer it may be possible to make a profit at a given bid under one engineer and impossible to avoid a loss under some other engineer with all conditions aside from the engineer himself precisely similar and the quality and merits of the work constructed equally good at the same cost to the owner in each case. The treatment which bidders think they will receive from the engineer if they secure the work is an important feature of the bidder.

ADVANCE NEWS

Classified according to Location

SAN FRANCISCO.

NEW CITY WORK—Cost not stated. San Francisco. Architect, City Department of Architecture, Temporary City Hall, S. F. Owners, City and County of San Francisco. The following plans and specifications are now under way in the Bureau of Architecture of the Board of Public Works:

Fire Escapes—Plans and specifications for the fire escapes for the Rochambeau, Laguna Honda, Sherman, Emerson and Dudley Stone are complete. The Board of Supervisors has been requested to adopt an ordinance authorizing construction.

Polytechnic High School—The revisions to the original plans and specifications for the general interior finish have been made in accordance with the requirements of the Board of Education and are now being checked and will be ready for estimates shortly.

Civic Center—Studies are being made for the future development of the Civic Center.

Relief Home Tract—Studies of the final development of the tract, for the location of all future buildings and improvements of a general nature, are now being made.

Full Size Details are being prepared as the work progresses on the following buildings: Polytechnic High School, Civic Center, Power House and the Department of Electricity Shop Building.

HOSPITAL ADDITION—4 story and base. Class A construction, \$1,000,000. San Francisco. Architect not selected. Owners, City and County of San Francisco. The Board of Public Works has instructed the City Department of Architecture to arrange for plans and specifications for an additional wing to be erected at the southeast of the present San Francisco Hospital. This building will be similar in design to the present structure and will cost in the neighborhood of \$1,000,000. A competition may be held to secure plans for the building, but a definite decision will be reached on Friday.

APARTMENT HOUSE—4 story and base, brick and steel, \$44,000. San Francisco. Architect, J. F. Dunn, Monadnock Bldg., S. F. Owner, Mrs. A. Wilson. The building will be erected on property recently purchased on the north side of Pine street west of Leavenworth. Interior will be arranged for a number of two, three and four room suites and a large social room and lobby. Interior finish will be of pine, redwood and elm. Hardwood floors will be used in the living rooms. There will be wall beds and private baths. Plans provide for steam heat, a hot water system and elevator service. Bath rooms will be finished in tile with composition floors. Marble and tile wainscot will be used in the lobby. Exterior of the building will be faced with pressed brick and terra cotta. Plans are complete and figures will be called for shortly.

APARTMENT HOUSE—3 story and base, frame, \$20,000. San Francisco. Architect, C. E. Gottchalk, Phelan Bldg., S. F. Owner, Charles Farrell. The building will be erected on Filbert street west of Polk, and has been designed to contain eleven suites of two and three rooms. All apartments will have wall beds and private bath rooms. The interior will be finished in pine and elm. Some hardwood floors will be used. Bath rooms will have tile floors and wainscot. Plans provide for steam heat and a hot water system. Marble and tile will be used in the entrance. Exterior of the building will be covered with cement plaster on metal lath. Plans are nearly complete and figures will be called for in a week or ten days. Further mention will be made of the work.

APARTMENT HOUSE—5 story and base, reinforced concrete, \$40,000. San Francisco. Architects, Rousseau & Rousseau, Monadnock Bldg., S. F. Owner, A. Pommé. The building will be erected on the south side of Turk street east of Polk, covering an area of 35 by 70 feet. There will be a total of 25 suites of two and three rooms. Interior finish will be of pine, redwood and hardwood veneer. Some hardwood floors will be used. All suites will have private bath rooms and wall beds. Bath rooms will have tile floors and wainscot. Marble and tile will be used in the entrance and lobby. Plans provide for steam heat, elevator service, a hot water supply and vacuum cleaning. Exterior of the building will be faced with pressed brick trimmed with terra cotta. Plans are complete and have been turned over to the owner who will do the work by Day Labor.

APARTMENT HOUSE—4 story and base, brick and steel. Cost not stated. San Francisco. Architect, Frederick H. Meyer, Bankers' Investment Bldg., S. F. Owner, Albert Rothberg. The building will be erected on the north side of Post street east of Larkin, having a frontage of 53½ feet by a depth of 137½ feet. Interior will be arranged for a number of two, three and four room suites with wall beds and private baths. Interior will be finished in pine, gum and hardwoods. Hardwood floors will be used in the living rooms. There will be a large lobby and social room. Plans provide for steam heat, elevator service, a hot water supply and vacuum cleaning. Bath rooms will have tile wainscot and floors. Marble and tile will be used in the entrance. Exterior of the building will be faced with pressed brick and terra cotta. Plans are nearly complete and figures will be taken shortly.

APARTMENT HOUSE—2 story and base, frame, \$20,000. San Francisco. Architects, O'Brien Bros., Clunie Bldg., S. F. Owner, Mr. Westlake. The building will be erected on 16th avenue near California street and has been designed to contain a number of two and three room suites with sleeping porches, private baths and wall beds.

Interior finish will be of pine and hardwood. Hardwood floors will be used in the living and dining rooms. There will be steam heat and a hot water supply. Bath rooms will have tile wainscot and floors. Exterior of the building will be covered with cement plaster on metal lath. Plans are complete and figures are being taken.

APARTMENT HOUSE—4 story and base, steel and brick. Cost not stated. San Francisco. Architects, Rousseau & Rousseau, Monadnock Bldg., S. F. Owner's name not given. The building will be erected on the south side of Post street west of Larkin. The building will contain a number of two, three and four room suites all of which will have wall beds and private baths. Interior finish will be of pine and elm with hardwood floors in the living and dining rooms. Plans provide for steam heat, a hot water system, elevator service and vacuum cleaning. All bath rooms will be finished in tile with composition floors. Main entrance will have marble wainscot. Exterior of the building will be faced with pressed brick trimmed with terra cotta. Plans are nearly complete and figures will be called for shortly.

APARTMENT HOUSE—6 story and base, steel and brick, \$80,000. San Francisco. Architect, August Nordin, Mills Bldg., S. F. Owners, Peter Winder Co. The building will be erected on the north side of Ellis street, 55 feet west of Jones, covering a considerable ground area. Interior will be arranged for a total of 80 suites of two and three rooms. Interior finish will be of pine, redwood and hardwood veneer. There will be a large social room and lobby on the ground floor. All suites will have wall beds and private bath rooms. Some hardwood floors will be used. Plans provide for steam heat, automatic elevator, hot water supply and vacuum cleaning. Bath rooms will be finished in tile with composition floors. Main entrance will have marble wainscot. Exterior of the building will be faced with pressed brick and terra cotta. Plans are complete and figures have been taken.

APARTMENT HOUSE—5 story and base, brick and steel. Cost not stated. San Francisco. Architect, none. Owners, Towne Realty Co., 166 Geary street, S. F. The building will be erected on the south side of California street east of Jones, covering an area of 53 feet 10 inches by 105 feet. There will be a number of two, three and four room suites. Interior will be finished in pine, redwood and hardwood veneer. Plans provide for steam heat, elevator service, a hot water system and vacuum cleaning. All suites will have wall beds and private bath rooms. Composition floors and tile wainscot will be used in the bath rooms. Entrance will be finished in marble and tile. Exterior of the building will be faced with pressed brick and terra cotta. Plans are complete and in the hands of the owners who will do the work by Day Labor.

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APARTMENT HOUSE—3 story and base, frame, \$20,000. San Francisco. Architect, E. H. Denke, 1317 Hyde street, S. F. Owner, Joseph Neustadter, Essex Hotel. The building will be erected at the southeast corner of Clay and Franklin streets, covering an area of $37\frac{1}{2}$ by 76 feet, and has been designed to contain six large suites. Interiors will be finished in pine and hardwood. Hardwood floors will be used in the living and dining rooms. The building will have steam heat, a hot water supply and vacuum cleaning. All suites will have wall beds, private bath rooms and open air sleeping porches. Bath rooms will be finished in tile. Main entrance will have marble wainscot. Exterior of the building will be covered with cement plaster on metal lath. Plans are complete and have been out for figures. A contract will be awarded shortly.

PIER NO. 24—Pile and timber construction. Cost not stated. San Francisco. Engineer, Assistant State Engineer Neuman, Ferry Bldg., S. F. Owners, State of California. Plans have been completed and are now out for figures for the construction of Pier No. 24. This structure will be of creosoted piles and heavy timber. There will be a wharf shed with a mezzanine floor on three sides. The Belt Line tracks will be extended the full length of the pier. Bids are now being taken and will be opened on January 14th. Plans and specifications can be secured from the Assistant State Engineer, Ferry Bldg.

WAREHOUSE ALTERATIONS—Class C construction. Cost not stated. San Francisco. Engineer, Engineering Department Western Meat Co., 6th and Townsend streets, S. F. Owners, Western Meat Co. The new grade established along Townsend street by the construction of the Southern Pacific tracks and yards has made it necessary for the company to raise their warehouse building. This structure covers a large area and the job will be an expensive one. Plans are now being prepared for the work.

RESIDENCES—6, 2 story and base, frame, \$2,500 each. San Francisco. Architect, none. Owner, J. Anderson, 423 16th avenue, S. F. These houses, each designed to contain five rooms, will be erected on the west side of 17th avenue south of Geary street. Interiors will be finished in pine, redwood and elm. Hardwood floors will be used in the living and dining rooms. There will be open fire places and tile and brick mantels. Bath rooms will have tile wainscot. Automatic water heaters will be installed. Exteriors will be covered with rustic and cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor. Materials are now being purchased.

RESIDENCE—2 story and base, frame, \$3,000. San Francisco. Architect, none. Owner, Martin Hanson, 2426 Mission street, S. F. The dwelling will be erected on the north side of

28th street east of Noe, and has been designed for a six-room house with bath. Interior finish will be of pine and redwood with some elm panels. Hardwood floors will be used in the living and dining rooms. There will be open fire places and tile mantels. Bath room will be finished in tile. An automatic water heater will be installed. Exterior of the house will be covered with rustic and cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor. Materials are now being purchased.

RESIDENCE— $1\frac{1}{2}$ story and base, frame, \$2,500. San Francisco. Architect, none. Owner, John Casity, 327 Brazil street, S. F. The dwelling has been designed for a six-room house with bath and garage, and will be erected on the west side of London street north of Brazil. Interior will be finished in pine and redwood. Some hardwood floors will be used. There will be a large open fire place in the living room with mantel of tile or brick. Tile wainscot will be used in the bath room. Exterior of the house will be covered with rustic and cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor. Materials are now being purchased.

COTTAGE—1 story and base, frame, \$2,000. San Francisco. Architect, none. Owners, Parkside Home Building Co., Crocker Bldg., S. F. This house will be erected for C. W. Schumacher on the west side of 24th street near Ulloa and will contain five rooms and bath. Interior finish will be largely of pine and redwood. Some hardwood floors will be used. There will be one open fire place and tile or brick mantel. Bath room will have tile wainscot. Exterior of the dwelling will be covered with rustic and cement plaster on metal lath. Plans are complete and in the hands of the owners who will do the work by Day Labor. Materials are now being purchased.

RESIDENCE—2 story, attic and base, frame and brick. Cost not stated. San Francisco. Architect, Henry Shermund, Mills Bldg., S. F. Owner, Sol Bibo. The dwelling has been designed for a high class city dwelling of the two-story, attic and basement type to be erected on a 26 by 120 foot lot on the east side of 20th avenue near Lake street in the Richmond District for Sol Bibo. The house has been designed along lines suggestive of the Spanish Renaissance and will be covered with cement plaster trimmed with pressed brick. Many features will be introduced which will make this one of the most charming homes in the district. Located as it is close to the bay shore the architect has designed the dwelling so as to make the most of the view obtained. The first floor, which will be finished entirely in hardwoods, will contain a large living room, dining room, breakfast room, butler's pantry and kitchen. The second floor will be arranged for three bed rooms with

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private dressing rooms, solarium and a servant's room. In the attic will be the library and studio overlooking the Golden Gate while opening off the library and studio will be a large roof garden. Upper floors will be finished in selected pine and white enamel. Hardwood floors will be used throughout. Special attention has been given to the bath rooms, which will be finished with tile floors and wainscot. A recessed shower cabinet lined with marble will be used in the bath room. Tile floor and wainscot is also specified for the kitchen. Basement will contain a garage, wine room, den and storage space.

FLATS—2 story and base, frame, \$9,000. San Francisco. Architect, Edward E. Young, 251 Kearny street, S. F. The building will be erected on the west side of Palm avenue near Euclid, having a frontage of 25 feet and a depth of $73\frac{1}{2}$ feet. There will be two modern flats of six and seven rooms. Interiors will be finished in pine, redwood and hardwood. Hardwood floors will be used in the principal rooms. There will be furnace heat and open fire places. Automatic water heaters will be installed. Mantels will be of tile and brick. Bath rooms will have tile floors and wainscot. Exterior of the building will be covered with cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor.

FLATS—2 story and base, frame, \$3,500. San Francisco. Architect, none. Owner, Thomas Thornton, 1562 11th avenue, S. F. The building has been designed to contain two modern flats of five and six rooms and will be erected on the west side of 5th avenue

south of Irving street. Interior will be finished in pine and redwood with some elm panels. Hardwood floors will be used in the living and dining rooms and reception hall. Each living room will have a large open fire place and tile or brick mantel. Bath rooms will have tile wainscot. Exterior of the house will be covered with cement plaster and rustic. Plans are complete and in the hands of the owner who will do the work by Day Labor.

FLATS—2 story and base, frame, \$2,500. San Francisco. Architects, Welsh & Carey, Merchants' National Bank Bldg., S. F. Owner, M. W. Cain. The building will be erected on the west side of 28th avenue north of California, covering an area of 25 by 40 feet. There will be two flats of four rooms each. Interior finish will be of pine and redwood throughout. Hardwood floors will be used in the living rooms. Open fire places and tile mantels are specified. Tile wainscot will be used in the bath rooms. Exterior of the building will be covered with rustic and shiplap. Plans are complete and in the hands of the owner who will do the work by Day Labor.

THEATRE—1 story, brick and steel, \$10,000. San Francisco. Architect, August Headman, New Call Bldg., S. F. Owner's name not given. The building will be erected on Stockton street and will contain one store besides the theatre. The theatre will have a seating capacity of 800 people and will be finished in pine and ornamental plaster. A modern system of ventilation will be installed. Special electric work will be specified. Exterior will be faced with pressed brick. Plans are complete and figures are being taken.

RESTAURANT ALTERATIONS — Class A construction. Cost not stated. San Francisco. Architect, G. Albert Lansburgh, 709 Mission street, S. F. Owner, Mr. Meyerfield, Orpheum Theatre. The ground floor of the building at the northwest corner of Sutter and Grant avenue, formerly occupied by the D. Samuel Lace House, will undergo extensive alterations. A large and modern restaurant will be installed. The alteration work includes a large amount of interior finish, marble and tile work, ornamental plaster, electric work, plumbing and painting. Plans are nearly complete and figures will be taken next week.

STORES AND BILLIARD HALL—2 story and base, brick and steel. Cost not stated. San Francisco. Architects, Rousseau & Rousseau, Monadnock Bldg., S. F. Owner, Ernest Heuter. The building will be erected at the northeast corner of California and Fillmore streets, covering a considerable ground area. There will be six stores on the first floor and a large billiard and pool hall on the second floor. Interior will be finished in pine with hardwood in the display windows. Patent store fronts are specified. Exterior of the building will be faced with pressed brick trimmed with terra cotta. Plans are complete and figures are being taken.

Contracts Awarded.

FOREIGN EXHIBIT BUILDING — 2 story, frame and plaster, \$88,820. San Francisco. Architect's name not given. Owners, French Government. Contractors, Lindgren Co., Monadnock Bldg., S. F. Contract price, \$88,820.

DISPLAY BOOTH — Frame construction. Cost not stated. San Fran-

cisco. Architect, none. Owners, Randall Elevator Door Control, S. F. Contractors, Fink & Schindler Co., S. F. Contract price not stated. The booth will be erected in the Machinery Palace.

EXHIBIT BOOTH—Cost not stated. San Francisco. Architect, none. Owners, New York Manufacturers. Contractors, Fink & Schindler Co., S. F. Contract price not stated.

Building Contracts Awarded.

San Francisco

No.	Owner	Contractor	Amt.
12	Weed Lbr Co.	Johnson	9900
13	Santa Cruz	Black	1085
14	Samuels	Hadley	1025
15	Kinslow	Atlas	1950
16	New York	Siebrecht	10000
17	Bradbury	Marshall	910
18	Concordia	Seibert	9300
19	Mardis	Ellingson	1690
20	Garbarinos	Peziosi	700
21	Buckbee	Swenson	900
22	U S Rubber	Federal	3000
23	Shell Co	Shell Co.	500
24	Bach	Spitz	400
25	Bergen	Bergen	400
26	Wyman	Wyman	5000
27	Brisac	Hamilton	2300
28	Same	Spencer	1290
29	France	Lindgren	88820
30	Donahue	Segale	4495
31	Green	Green	2200
32	Shell	Shell	500
33	Shell	Shell	500
34	Lazzari	Gavazza	4500
35	Sharman	Sharman	1300
36	Cartright	Williams	500
37	Kilian	Ralston	800
38	Engle	Murphy	1000
39	Oliver	Van Emon	1135
40	G G Comp Yeast	Hansen	1500
41	Presidio Golf	Foley	4500
42	Dremtract	Hamilton	2300
43	S F	Davis	14250
44	Seal Rock	McBain	3750
45	Anderson	Lindberg	2000
46	Bennett	Bennett	4500
47	Cal Film	Smith	1400
48	Carter	MacDonald	5000
49	Center	Gompertz	40000
50	Coffin	Woelfrey	1600
51	De Hay	Schroeder	3000
52	De Lay	Old	2926
53	Grill	Petersen	3000
54	Hyden	Cavaglieri	1500
55	Laborie	Laborie	9000
56	Petersen	Petersen	2000
57	Wilson	Kelly	1800
58	Y M C A	Low	1970
59	Schwartz	Hofmeister	1300
60	Lundeen	Yngve	1980
61	Santa Fe	Brumfield	3550
62	Petersen	MacKillop	4650
64	Patterson	Lapham	35000
65	Pomme	Pomme	2400
66	Anderson	Anderson	2400
67	Anderson	Anderson	2400
68	Anderson	Anderson	2400
69	Anderson	Anderson	2400
70	Anderson	Anderson	2400
71	Anderson	Anderson	400
72	Dahl	Smith	1200
73	Copnik	Copnik	2000
74	Casty	Casty	2800
75	Hanson	Hanson	10000
76	Towne Rlty	Owner	1500
77	Chiosso	Chiosso	2000
78	Parkside Bldg Co.	Owner	1800
79	Montrouill	Montrouill	1500
80	P P I E	Brumfield	1338
81	Oliver	Van Emon	4750
82	Sokolov	Peerless	850
83	Lichenstein	MacDonald	400
84	Crowley	Crowley	500
85	Leventritt	Leventritt	500
86	Pey	Anderson	400
87	Meyer	Holm	400
88	Dal Porto	King	400
89	Walker	Healing	600
90	Vida	Vida	550
91	Renstrom	Krohn	450
92	Martin	Martin	600
93	Howard	Appleton	800
94	Randolf	Wilkie	400
95	Eckland	Baker	400
96	Andrews	Chlentzos	400
97	Pign White	McMelvin	400
98	Tweitmunn	Tweitmunn	400
99	Atlas Bldg	Wilson	500
100	Von Woellworth	Elberger	500
101	Moore	Moore	500
102	Bain	Britt	600
103	Sanders	Malloch	400
104	Union Sq. Inv.	Owner	400
105	Johnston	Johnston	400
106	Balboa Terrace	Lynch	900

107	Anderson	Nilsson	2250
108	Hearst	Holm	2174

RESIDENCE

(107) LOT 11 BLK 3 Fairs Sub, Holly Park Tract. All work for one and one-half-story residence.

Owner.....Geo. H. and Mattie A. Anderson, 119 Bartlett, S. F.
Architect...None.

Contractor...N. F. Nilsson, 355 Cole-ridge, San Francisco.

Filed Jan. 11, '15. Dated Oct. 23, '14.

Frame up	\$637.50
Brown coated	637.50
Completed and accepted	637.50
Usual 35 days	637.50

TOTAL COST, \$2550.00

Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications filed.

DISPLAY BOOTH

(108) EXPOSITION SITE. All work for reception and display booth in Liberal Arts Section of Palace of Machinery.

Owner.....Dent H. Robert, Representing W. R. Hearst, Care "S. F. Examiner."

Architect...Alexander A. Cantin, 68 Post, San Francisco.

Contractor...M. Holm & Son, 68 Post, San Francisco.

Filed Jan. 11, '15. Dated Jan. 7, '15.

Completed and accepted	\$1630.50
Usual 35 days	543.50

TOTAL COST, \$2174.00

Bond, \$1087. Sureties, Thos. E. Shumate and Frank L. Maino. Limit, 20 days after Jan. 8, '15. Forfeit, \$10. Plans and specifications filed.

FRAME BUILDING

(12) EXPOSITION SITE. All work for one-story frame building known as The California White and Sugar Pine Building.

Owner.....Benj. G. McDougall, Chairman Executive Committee representing Weed Lumber Co., McCloud River Lumber Co. and Red River Lumber Company.

Architect...Benj. G. McDougall, Sheldon Bldg., San Francisco.

Contractor...Hansbrough-Johnson Co.

Filed Jan. 4, '15. Dated Dec. 23, '14.

Every 2 weeks payments of... 75%
TOTAL COST, \$9900

Bond, none. Limit, Feb. 20, 1915. Forfeit, \$25. Plans and specifications filed.

BALUSTRADE

(13) EXPOSITION SITE. All work for balustrade in California Counties Building.

Owner.....The County of Santa Cruz.
Architect...Havens & Toepke, 46 Kearny, San Francisco.

Contractor...W. J. Black.

Filed Jan. 4, '15. Dated Nov. 23, '14.

On 1st and 15th of each month 75%
Usual 35 days..... 25%

TOTAL COST, \$1085

Bond, \$545. Sureties, J. N. Nisbit and E. M. Black. Limit, Jan. 10, 1915. Forfeit, \$10. Plans and specifications filed.

REPAIRS, ETC.

(14) NW STOCKTON & O'FARRELL W 137-6xN -37-6. Tile partition, repairs, plastering, remodeling, etc., for building.

Owner.....The D. Samuels Co., Prem. Bldg., San Francisco.

Contractor...Chas. B. Hadley, 180 Jessie, San Francisco.

Filed Jan. 4, '15. Dated Dec. 28, '14.

Completed and accepted.....\$768.75
36 days after..... 256.25
TOTAL COST, \$1025.00
 Bond, \$512.50. Surety, The Aetna Accident & Liability Co. Limit, 18 days. Forfeit, \$20. Plans and specifications filed.

STEAM HEATING, ETC.

(15) NE CLAY AND HYDE. Steam heating system and hot water tank and heater and oil burning plant for apartments.

Owner.....J. C. and J. F. Kinslow, Santa Rosa, Cal.

Architect...None.

Contractor..Atlas Heating & Ventilating Co., 4th and Freelon, San Francisco.

Filed Jan. 4, 1915. Dated Oct. 3, '14.

No payments given.....

TOTAL COST, \$1950

Bond, limit, forfeit, none. Plans and specifications, none.

GARDENING

(16) EXPOSITION SITE. Furnishing and planting all trees, palms, ferns, plants, etc., for grounds and interior of New York State Building.

Owner.....Panama-Pacific Exposition Commission, State of New York.

Architect...Chas. B. Meyer.

Contractor..Siebrecht & Son.

Filed Jan. 5, '15. Dated Dec. 10, '14.

On delivery of all trees, plants, ferns, etc..... 42½%

On completion of contract.. 42½%

On April 1, 1915.....Balance

TOTAL COST, \$10,000

Bond, \$5000. Surety, The London & Lancashire Guarantee & Accident Co. of Canada. Limit, Feb. 1, 1915. Forfeit, \$50. Plans and specifications filed

Owner.....J. C. and J. F. Kinslow, Santa Rosa, Cal.

Architect...None.

Contractor..Atlas Heating & Ventilating Co., 4th and Freelon, San Francisco.

Filed Jan. 4, 1915. Dated Oct. 3, '14.

No payments given.....

TOTAL COST, \$1950

Bond, limit, forfeit, none. Plans and specifications, none.

Owner.....J. C. and J. F. Kinslow, Santa Rosa, Cal.

Architect...None.

Contractor..Atlas Heating & Ventilating Co., 4th and Freelon, San Francisco.

Filed Jan. 4, 1915. Dated Oct. 3, '14.

No payments given.....

TOTAL COST, \$1950

Bond, limit, forfeit, none. Plans and specifications, none.

Owner.....J. C. and J. F. Kinslow, Santa Rosa, Cal.

Architect...None.

Contractor..Atlas Heating & Ventilating Co., 4th and Freelon, San Francisco.

Filed Jan. 4, 1915. Dated Oct. 3, '14.

No payments given.....

TOTAL COST, \$1950

Bond, limit, forfeit, none. Plans and specifications, none.

Owner.....J. C. and J. F. Kinslow, Santa Rosa, Cal.

Architect...None.

Contractor..Atlas Heating & Ventilating Co., 4th and Freelon, San Francisco.

Filed Jan. 4, 1915. Dated Oct. 3, '14.

No payments given.....

TOTAL COST, \$1950

Bond, limit, forfeit, none. Plans and specifications, none.

Owner.....J. C. and J. F. Kinslow, Santa Rosa, Cal.

Architect...None.

Contractor..Atlas Heating & Ventilating Co., 4th and Freelon, San Francisco.

Filed Jan. 4, 1915. Dated Oct. 3, '14.

No payments given.....

TOTAL COST, \$1950

Bond, limit, forfeit, none. Plans and specifications, none.

Owner.....J. C. and J. F. Kinslow, Santa Rosa, Cal.

Architect...None.

Contractor..Atlas Heating & Ventilating Co., 4th and Freelon, San Francisco.

Filed Jan. 4, 1915. Dated Oct. 3, '14.

No payments given.....

TOTAL COST, \$1950

Bond, limit, forfeit, none. Plans and specifications, none.

Owner.....J. C. and J. F. Kinslow, Santa Rosa, Cal.

Architect...None.

Contractor..Atlas Heating & Ventilating Co., 4th and Freelon, San Francisco.

Filed Jan. 4, 1915. Dated Oct. 3, '14.

No payments given.....

TOTAL COST, \$1950

painting for alterations and additions to brick building.

Owner.....Dr. B. A. Mardis, 126 Post, San Francisco.

Architect...J. F. Dunn, Monadnock Bldg., San Francisco.

Contractor..E. Ellingson and O. K. Holt, 3854 Army, S. F.

Filed Jan. 5, '15. Dated Jan. 5, '15.

Ready for plaster.....\$422

When plastered..... 422

Completed and accepted..... 423

36 days after..... 423

TOTAL COST, \$1690

Bond, none. Limit, 30 days. Forfeit, \$5. Plans and specifications filed.

Owner.....J. C. and J. F. Kinslow, Santa Rosa, Cal.

Architect...None.

Contractor..Atlas Heating & Ventilating Co., 4th and Freelon, San Francisco.

Filed Jan. 4, 1915. Dated Oct. 3, '14.

No payments given.....

TOTAL COST, \$1950

Bond, limit, forfeit, none. Plans and specifications, none.

Owner.....J. C. and J. F. Kinslow, Santa Rosa, Cal.

Architect...None.

Contractor..Atlas Heating & Ventilating Co., 4th and Freelon, San Francisco.

Filed Jan. 4, 1915. Dated Oct. 3, '14.

No payments given.....

TOTAL COST, \$1950

Bond, limit, forfeit, none. Plans and specifications, none.

Owner.....J. C. and J. F. Kinslow, Santa Rosa, Cal.

Architect...None.

Contractor..Atlas Heating & Ventilating Co., 4th and Freelon, San Francisco.

Filed Jan. 4, 1915. Dated Oct. 3, '14.

No payments given.....

TOTAL COST, \$1950

Bond, limit, forfeit, none. Plans and specifications, none.

Owner.....J. C. and J. F. Kinslow, Santa Rosa, Cal.

Architect...None.

Contractor..Atlas Heating & Ventilating Co., 4th and Freelon, San Francisco.

Filed Jan. 4, 1915. Dated Oct. 3, '14.

No payments given.....

TOTAL COST, \$1950

Bond, limit, forfeit, none. Plans and specifications, none.

Owner.....J. C. and J. F. Kinslow, Santa Rosa, Cal.

Architect...None.

Contractor..Atlas Heating & Ventilating Co., 4th and Freelon, San Francisco.

Filed Jan. 4, 1915. Dated Oct. 3, '14.

No payments given.....

TOTAL COST, \$1950

Bond, limit, forfeit, none. Plans and specifications, none.

Owner.....J. C. and J. F. Kinslow, Santa Rosa, Cal.

Architect...None.

Contractor..Atlas Heating & Ventilating Co., 4th and Freelon, San Francisco.

Filed Jan. 4, 1915. Dated Oct. 3, '14.

No payments given.....

TOTAL COST, \$1950

Bond, limit, forfeit, none. Plans and specifications, none.

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TOTAL COST, \$1950

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Owner.....J. C. and J. F. Kinslow, Santa Rosa, Cal.

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Filed Jan. 4, 1915. Dated Oct. 3, '14.

No payments given.....

TOTAL COST, \$1950

Bond, limit, forfeit, none. Plans and specifications, none.

Owner.....J. C. and J. F. Kinslow, Santa Rosa, Cal.

Architect...None.

Contractor..Atlas Heating & Ventilating Co., 4th and Freelon, San Francisco.

Filed Jan. 4, 1915. Dated Oct. 3, '14.

No payments given.....

TOTAL COST, \$1950

Bond, limit, forfeit, none. Plans and specifications, none.

Owner.....J. C. and J. F. Kinslow, Santa Rosa, Cal.

Architect...None.

Contractor..Atlas Heating & Ventilating Co., 4th and Freelon, San Francisco.

Filed Jan. 4, 1915. Dated Oct. 3, '14.

No payments given.....

TOTAL COST, \$1950

Bond, limit, forfeit, none. Plans and specifications, none.

Owner.....J. C. and J. F. Kinslow, Santa Rosa, Cal.

Architect...None.

Contractor..Atlas Heating & Ventilating Co., 4th and Freelon, San Francisco.

Filed Jan. 4, 1915. Dated Oct. 3, '14.

No payments given.....

TOTAL COST, \$1950

Bond, limit, forfeit, none. Plans and specifications, none.

Owner.....E. F. Brisac and Maude H. Norton, Trustees, 311 California, San Francisco.

Architect...O'Brien Bros., Clunie Bldg San Francisco.

Contractor..Peter Hamilton, Russ Bldg San Francisco.

Filed Jan. 6, '15. Dated Dec. 31, '14.

Elevator shaft cut and 2nd floor

cemented.....\$575

2d floor cemented and tanks in.. 575

Completed and accepted..... 575

Usual 35 days..... 575

TOTAL COST, \$2300

Bond, none. Limit, 20 days after Jan. 4, 1915. Forfeit, none. Plans and specifications filed.

Owner.....J. C. and J. F. Kinslow, Santa Rosa, Cal.

Architect...None.

Contractor..Atlas Heating & Ventilating Co., 4th and Freelon, San Francisco.

Filed Jan. 4, 1915. Dated Oct. 3, '14.

No payments given.....

TOTAL COST, \$1950

Bond, limit, forfeit, none. Plans and specifications, none.

Owner.....J. C. and J. F. Kinslow, Santa Rosa, Cal.

Architect...None.

Contractor..Atlas Heating & Ventilating Co., 4th and Freelon, San Francisco.

Filed Jan. 4, 1915. Dated Oct. 3, '14.

No payments given.....

TOTAL COST, \$1950

Bond, limit, forfeit, none. Plans and specifications, none.

Owner.....J. C. and J. F. Kinslow, Santa Rosa, Cal.

Architect...None.

Contractor..Atlas Heating & Ventilating Co., 4th and Freelon, San Francisco.

Filed Jan. 4, 1915. Dated Oct. 3, '14.

No payments given.....

TOTAL COST, \$1950

Bond, limit, forfeit, none. Plans and specifications, none.

Owner.....J. C. and J. F. Kinslow, Santa Rosa, Cal.

Architect...None.

Contractor..Atlas Heating & Ventilating Co., 4th and Freelon, San Francisco.

Filed Jan. 4, 1915. Dated Oct. 3, '14.

No payments given.....

TOTAL COST, \$1950

Bond, limit, forfeit, none. Plans and specifications, none.

Owner.....J. C. and J. F. Kinslow, Santa Rosa, Cal.

Architect...None.

Contractor..Atlas Heating & Ventilating Co., 4th and Freelon, San Francisco.

Filed Jan. 4, 1915. Dated Oct. 3, '14.

No payments given.....

TOTAL COST, \$1950

Bond, limit, forfeit, none. Plans and specifications, none.

Owner.....J. C. and J. F. Kinslow, Santa Rosa, Cal.

Architect...None.

Contractor..Atlas Heating & Ventilating Co., 4th and Freelon, San Francisco.

Filed Jan. 4, 1915. Dated Oct. 3, '14.

No payments given.....

TOTAL COST, \$1950

Bond, limit, forfeit, none. Plans and specifications, none.

Owner.....J. C. and J. F. Kinslow, Santa Rosa, Cal.

Architect...None.

Contractor..Atlas Heating & Ventilating Co., 4th and Freelon, San Francisco.

Filed Jan. 4, 1915. Dated Oct. 3, '14.

No payments given.....

TOTAL COST, \$1950

Bond, limit, forfeit, none. Plans and specifications, none.

Owner.....J. C. and J. F. Kinslow, Santa Rosa, Cal.

Architect...None.

Contractor..Atlas Heating & Ventilating Co., 4th and Freelon, San Francisco.

Filed Jan. 4, 1915. Dated Oct. 3, '14.

No payments given.....

TOTAL COST, \$1950

Bond, limit, forfeit, none. Plans and specifications, none.

Owner.....J. C. and J. F. Kinslow, Santa Rosa, Cal.

Architect...None.

Contractor..Atlas Heating & Ventilating Co., 4th and Freelon, San Francisco.

Filed Jan. 4, 1915. Dated Oct. 3, '14.

No payments given.....

TOTAL COST, \$1950

Bond, limit, forfeit, none. Plans and specifications, none.

Owner.....J. C. and J. F. Kinslow, Santa Rosa, Cal.

Architect...None.

Contractor..Atlas Heating & Ventilating Co., 4th and Freelon, San Francisco.

Filed Jan. 4, 1915. Dated Oct. 3, '14.

No payments given.....

TOTAL COST, \$1950

Bond, limit, forfeit, none. Plans and specifications, none.

Owner.....J. C. and J. F. Kinslow, Santa Rosa, Cal.

Architect...None.

Contractor..Atlas Heating & Ventilating Co., 4th and Freelon, San Francisco.

SUPPLY STATION

(33) E MISSION 125 S 18th. One-story steel frame supply station.
Owner.....Shell Co. of Cal., Inc., 343 Sansome, San Francisco.
Architect...None.
Day's work. COST, \$500

FRAME STORE AND FLATS

(34) S CHESTNUT 165 W Pierce. Three-story and basement frame store and (2) flats.
Owner.....Lorenzo Lazzari, 2241 Chestnut, S. F.
Architect...Paul E. Capurro, 1844 Powell, San Francisco.
Contractor...L. Gavazza & Co., 1381-A Union, San Francisco.
COST, \$4500

FRAME DWELLING

(35) N SHAFTER 225 W Jennings. One-story and basement frame dwlg.
Owner.....T. L. Sharman, 1454 Shaft-
er Ave., San Francisco.
Architect...None.
Day's work. COST, \$1300

ALTERATIONS

(36) NO. 307 FAXON AVE. Raise and alter dwelling.
Owner.....N. I. Cartright, Premises.
Architect...None.
Contractor...Robt. H. Williams, 537 Grafton Ave., S. F.
COST, \$500

FRAME DWELLING

(37) S THOMAS 225 E Lane. One-story and basement frame dwelling.
Owner.....Henry Killan, Care Wie-
land's Brewery.
Architect...None.
Contractor...F. F. Ralston, 132 Com-
monwealth, S. F.
COST, \$300

ALTERATIONS

(38) NO. 314 FILLMORE. Raise and alter stores.
Owner.....W. J. Engle.
Architect...None.
Contractor...E. T. Murphy, 3314 Fill-
more, San Francisco.
COST, \$1000

FREIGHT ELEVATOR

(39) NO. 641 FRONT. Install freight elevator.
Owner.....E. P. Oliver, — Montgom-
ery, San Francisco.
Architect...None.
Contractor...B. C. Van Emon Elevator
Co., Inc., 235 1st, S. F.
COST, \$1135

ALTERATIONS

(40) E MINNESOTA, bet. 23rd and 24th. Alter and add to factory bldg.
Owner.....G. G. Compressed Yeast
Co., — Mint Ave., S. F.
Architect...None.
Contractor...C. H. Hansen, 110 Jessie,
San Francisco.
COST, \$1500

ALTERATIONS

(41) NO. 8 PRESIDIO TERRACE. Alter locker room, showers and toilets in basement, kitchen on 1st floor and other minor changes.
Owner.....Presidio Golf Club, Prem.
Architect...Smith O'Brien, Humboldt
Bank Bldg., San Francisco.
Contractor...Brockage, Foley & Green,
1326 Natoma, S. F.
COST, \$4500

ALTERATIONS

(42) NO. 68 CLAY. General altera-
tions and repairs to present build-
ing for public garage.
Owner.....C. Demetract, Cr. Architect
Architect...O'Brien Bros., Inc., 519
California, S. F.
Contractor...Peter Hamilton, Russ
Bldg., San Francisco.
COST, \$2300

BRICK WORKSHOP

(43) N GOLDEN GATE AVE — E
Hyde. Two-story brick workshop to
be used by the Department of Elec-
tricity.
Owner.....City and County of S. F.
Architect...Bureau of Architecture of
Board of Public Works.
Contractor...T. E. Davis & Son, 2321
Lake, San Francisco.
COST, \$14,250

NOTE:—Job started.

FRAME SALOON

(44) N BALBOA 80 E Great Highway. Two-story frame saloon.
Owner.....Seal Rock Incorporation,
68 Post, San Francisco.
Architect...A. A. Cantin, 68 Post,
San Francisco.
Contractor...John McBain, Redwood
City and San Mateo.
COST, \$3750

FRAME DWELLING

(45) S CORTLAND AVE 251-6 E Mis-
sion. One and one-half-story and
basement frame dwelling.
Owner.....G. H. Anderson, 119 Bart-
lett, San Francisco.
Architect...None.
Contractor...Lindberg Bros., 257 Surrey,
San Francisco.
COST, \$2000

FRAME RESIDENCE

(46) NW BRYANT AND FIFTH. One-story frame residence.
Owner.....Mrs. Clara L. Bennett, 1301
Hearst Bldg., S. F.
Architect...Wm. Knowles, 1301 Hearst
Bldg., San Francisco.
Day's work. COST, \$4500

ALTERATIONS

(47) NOS. 121-127 GOLDEN GATE
Ave. Alter film exchange.
Owner.....California Film Exchange,
54 Market, San Francisco.
Architect...None.
Contractor...A. H. Smith and H. L. Pet-
tersen, 819 Ellis, S. F.
COST, \$1400

FRAME DWELLING

(48) TWENTY-SEVENTH AVE., bet.
West Clay and Sea Cliff Ave., being
Lot 45 Sub 1, Sea Cliff. Two-story
frame dwelling.
Owner.....Mrs. Corinne Carter.
Architect...None.
Contractor...Graeme MacDonald & Co.,
633 Holbrook Bldg., S. F.
COST, \$5000

BRICK BAKERY

(49) SW BRYANT AND 17TH. Two-
story brick bakery building.
Owner.....The John Center Co., 660
Market, S. F. (People's
Bread Co., Lessee).
Architect...None.
Contractor...Chas. W. Gompertz, 503
Market, San Francisco.
COST, \$40,000

FRAME DWELLING

(50) LOT 27 BLK 4, Crocker Amazon
Tract. One-story and basement frame
dwelling.
Owner.....D. Coffin & Co., 2528 Mis-
sion, San Francisco.
Architect...None.
Contractor...J. B. Woolfrey, 3168 21st,
San Francisco.
COST, \$1600

FRAME FLATS

(51) E FIFTH AVE 150 N Fulton. Two-story and basement frame (2) flats.
Owner.....A. T. De Hay, 536 Valencia
San Francisco.
Architect...Rhodes & Marish, 3372
16th, San Francisco.
Contractor...J. R. Schroeder, 230 25th
Ave., San Francisco.
COST, \$3600

FRAME DWELLING

(52) S KIRKHAM 107-6 E 12th Ave. One-story and basement frame dwlg.
Owner.....Mary De Lay, 2737 Dwight
Way, Berkeley.
Architect...None.
Contractor...Old Bros., Pittsburg, Cal.
COST, \$2000

FRAME DWELLING

(53) S DELANO 275 W San Juan. Two-story and basement frame dwlg.
Owner.....F. B. Grill, 557 Capp, S. F.
Architect...None.
Contractor...Antone Petersen, 844
Guerrero, San Francisco.
COST, \$2926

FRAME STORE

(54) NE EIGHTEENTH & TEXAS. One-story and basement frame store building.
Owner.....A. Hayden and J. and A.
McPhee, 1302 18th, S. F.
Architect...H. C. Baumann, 605
Chronicle Bldg., S. F.
Contractor...G. Cavaglieri, 593 Potrero
Ave., San Francisco.
COST, \$3000

ALTERATIONS

(55) N SIXTEENTH 120 W Castro. Underpin and make alterations to dwelling.
Owner.....B. Laborie, 934 Jackson,
San Francisco.
Architect...Hosher Glahn, 577 Crocker-
Bldg., San Francisco.
Day's work. COST, \$1500

FRAME APARTMENTS

(56) N JUDAH 100 E 8th Ave. Three-
story and basement frame (6) apart-
ments.
Owner.....O. Petersen, 858 Dolores,
San Francisco.
Architect...Koenig & Christiansen,
750 Parnassus and 1251
Willard, San Francisco.
Day's work. COST, \$9000

REPAIRS

(57) NO. 2324 PACIFIC AVE. Repair
fire damage to residence.
Owner.....Wilson Est., Nevada Na-
tional Bank Bldg., S. F.
Architect...None.
Contractor...David Kelly, 333 Califor-
nia, San Francisco.
COST, \$2000

ALTERATIONS

(58) NW GOLDEN GATE AVE AND

Leavenworth. Alter for sleeping rooms.
Owner.....Y. M. C. A., Premises.
Architect...None.
Contractor...James Low, 1501 Valencia, San Francisco.
COST, \$1800

FRAME FLATS

(59) NOS. 1532-34-36 GEARY (rear). Two-story frame (2) flats.
Owner.....M. Schwartz, 1327 McAllister, San Francisco.
Architect...None.
Contractor...H. C. Hofmeister, 772 Fulton, San Francisco.
COST, \$1970

FRAME DWELLING

(60) N LOWER TERRACE 178 W Pluto. One-story & basement frame dwelling.
Owner.....Marie Lundeen, 667 Waller San Francisco.
Architect...None.
Contractor...K. Yngve, 133 Alpine, S. F.
COST, \$1800

ELECTRIC SIGN

(61) NW ELLIS AND MARKET. Electric roof sign.
Owner.....Santa Fe Railroad Co.
Architect...None.
Contractor...Brumfield Elec. Sign Co., 18 7th, San Francisco.
COST, \$1950

FRAME STORES

(62) SW BAKER AND LOMBARD. One-story and basement frame stores
Owner.....F. Petersen, 2039 Baker, San Francisco.
Architect...None.
Contractor...Alex W. MacKillop, 579 39th Ave., San Francisco.
COST, \$3550

FRAME RESIDENCE

(64) E TWELFTH AVE 100 N Balboa (B) N 25x E 120 O L 294. All work for two-story frame residence.
Owner.....Wm. G. Patterson.
Designer...A. R. Lapham.
Contractor...Alton R. Lapham, 511 12th Ave., San Francisco.
Filed Jan. 7, '15. Dated Jan. 6, '15.
Frame up\$1200
Brown coated and rough plumbing in 1150
Completed and accepted..... 1150
Usual 35 days..... 1150
TOTAL COST, \$4650
Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications filed.

APARTMENTS

(65) S TURK 57-6 E Polk. Six-story reinforced concrete (27) apartments.
Owner.....A. Pomme.
Architect...Rousseau & Rousseau Monadnock Bldg., S. F.
Day's work. COST, \$35,000

FRAME DWELLING

(66) W SEVENTEENTH AVE 325 S Geary. Two-story and basement frame dwelling.
Owner.....J. Anderson, 423 16th Ave., San Francisco.
Architect...None.
Day's work. COST, \$2400

FRAME DWELLING

(67) W SEVENTEENTH AVE 350 S Geary. Two-story and basement frame dwelling.

Owner.....J. Anderson, 423 16th Ave., San Francisco.
Architect...None.
Day's work. COST, \$2400

FRAME DWELLING

(68) W SEVENTEENTH AVE 275 S Geary. Two-story and basement frame dwelling.
Owner.....J. Anderson, 423 16th Ave., San Francisco.
Architect...None.
Day's work. COST, \$2400

FRAME DWELLING

(69) W SEVENTEENTH AVE 300 S Geary. Two-story and basement frame dwelling.
Owner.....J. Anderson, 423 16th Ave., San Francisco.
Architect...None.
Day's work. COST, \$2400

FRAME DWELLING

(70) W SEVENTEENTH AVE 375 S Geary. Two-story and basement frame dwelling.
Owner.....J. Anderson, 423 16th Ave., San Francisco.
Architect...None.
Day's work. COST, \$2400

FRAME DWELLING

(71) W SEVENTEENTH AVE 200 S Geary. Two-story and basement frame dwelling.
Owner.....J. Anderson, 423 16th Ave., San Francisco.
Architect...None.
Day's work. COST, \$2400

ALTERATIONS

(72) NE GREENWICH & FILLMORE. Alter front of saloon.
Owner.....Harry Dahl, 2040 Sacramento, San Francisco.
Architect...None.
Contractor...B. O. Smith, 110 Alpine, S. F.
COST, \$400

FRAME COTTAGE

(73) NW LAKEVIEW & CAINE. One story and basement frame cottage.
Owner.....T. Copnik, 36 Lakeview, San Francisco.
Architect...None.
Day's work. COST, \$1200

FRAME DWELLING

(74) W LONDON 225 N Brazil. One and one-half-story and basement frame dwelling.
Owner.....John Casty, 327 Brazil, San Francisco.
Architect...None.
Day's work. COST, \$2000

FRAME DWELLING

(75) N TWENTY-EIGHTH 57 E Noe. Two-story and basement frame dwlg
Owner.....Martin Hanson, 2426 Mission, San Francisco.
Architect...None.
Contractor...Martin Hanson, 2426 Mission, San Francisco.
COST, \$2800

FOUNDATIONS

(76) S CALIFORNIA 137-6 E Jones. Steel and concrete foundations for proposed five-story apartments.
Owner.....Towne Realty Co., 166 Geary, San Francisco.
Architect...None.
Day's work. COST, \$10,000

(77) E OAKWOOD 180 S 18th. Repair fire damage.
Owner.....Mr. & Mrs. Philip Chiosso, 49 Oakwood, S. F.
Architect...None.
Contractor...R. Chiosso, Premises.
COST, \$1500

FRAME DWELLING

(78) W TWENTY-FOURTH AVE 165 S Ulloa. One-story and basement frame dwelling.
Owner.....Parkside Home Bldg. Co., 408 Crocker Bldg., S. F.
Architect...None.
Day's work. COST, \$2000

FRAME DWELLING

(79) W SEARS 410 S Sikes. One and one-half-story and basement frame dwelling.
Owner.....P. W. Montroull, 270 Andover, San Francisco.
Architect...None.
Day's work. COST, \$1800

AUTO CALL SIGN

(80) LARKIN, HAYES, POLK AND Grove. Electric auto call signs.
Owner.....Panama-Pacific International Exposition.
Architect...None.
Contractor...Brumfield Elec. Sign Co., 18 7th, San Francisco.
COST, \$1500

FREIGHT ELEVATOR

(81) NOS. 639 AND 641 FRONT. All work for one freight elevator for 3-story and basement brick building.
Owner.....B. P. Oliver, 104 Montgomery, S. F.
Architect...L. B. Dutton, Chronicle Bldg., San Francisco.
Contractor...B. C. Van Emon Elevators Incorporated.
Filed Jan. 8, '15. Dated Jan. 4, '15.
On 1st of each month..... 75%
Usual 35 days..... 25%
TOTAL COST, \$1338
Bond, none. Limit, Jan. 25, 1915. Forfeit, \$10. Specifications only filed.

CLASS "A" HOTEL

(82) W POWELL 91-3 N Post N 46-1 xW 80. All work for floors and walls 4 feet high for tiling 140 bath rooms and ladies' dressing room, finished with bull nose at top for 15-story Class "A" hotel building.
Owner.....J. Sockotov, 1857 O'Farrell San Francisco.
Architect...Rousseau & Rousseau, Monadnock Bldg., S. F.
Contractor...Peerless Agencies Co., 1284 Mission, San Francisco.
Filed Jan. 8, '15. Dated Nov. 30, '14.
During progress of work..... 50%
Usual 35 days..... 50%
TOTAL COST, \$4750
Bond, \$2375. Surety, Pacific Coast Casualty Co. Limit, as fast as possible. Forfeit, none. Plans only filed.

ALTER LOFTS

(83) NO. 27 GRANT AVE. Alter lofts
Owner.....B. H. Lichtenstein, 111 Ellis, San Francisco.
Architect...M. Lichtenstein, 111 Ellis, San Francisco.
Contractor...MacDonald & Kahn, Rialto Bldg., San Francisco.
COST, \$850

ALTERATIONS

(84) NO. 3342 SCOTT. Minor alterations for dwelling.

Owner.....Thos. Crowley, Premises.
Architect...None.
Day's work. COST, \$400

ALTERATIONS
(85) SE MISSION AND TWENTY-second. Alter theatre.
Owner.....Marion Leventritt, Hotel St. Francis, San Francisco.
Architect...G. Albert Landsburgh, 709 Mission, San Francisco.
Day's work. COST, \$500

ALTERATIONS
(86) NO. 1562 WALLER. Minor alterations for dwelling.
Owner.....Chas. Fey, 858 Mission, San Francisco.
Architect...None.
Contractor, A. Anderson, 857 Kearny, San Francisco.
COST, \$500

REPAIRS
(87) NO. 2651 UNION. Repair garage.
Owner.....H. Meyer, 2650 Green, S. F.
Architect...None.
Contractor...Theo. S. Hoin, 1449 Hyde, San Francisco.
COST, \$400

DWELLING
(88) NO. 228 BOUTWELL. One and one-half-story frame dwelling.
Owner.....Frank Dal Porto, Prem.
Architect...None.
Contractor...Chas. King, 52 Vesta, S. F.
COST, \$400

ALTERATIONS
(89) 3730 SACRAMENTO. Alter dwlg.
Owner.....H. Walker, Premises.
Architect...None.
Contractor...G. Healing, 3665 Sacramento, San Francisco.
COST, \$100

ADDITION
(90) NO. 727 FRANCE. Add to dwlg.
Owner.....Stephen Vida, Premises.
Architect...None.
Day's work. COST, \$600

FRAME STORE
(91) S CHESTNUT 137 E Scott. One story frame store.
Owner.....John A. Renstrom, 249 Nee San Francisco.
Architect...None.
Contractor...A. Krohn, 14 Stillman, S. F.
COST, \$550

ALTERATIONS
(92) NO. 358 PACHECO (Forest Hill) Alter bed room.
Owner.....Carl Martin, Premises.
Architect...None.
Day's work. COST, \$450

ALTERATIONS
(93) S OAK 50 W Baker. Minor alterations on church.
Owner.....Howard Presbyterian Congregation, Premises.
Architect...None.
Contractor...J. M. Appleton, 1982 Hayes San Francisco.
COST, \$600

ALTERATIONS
(94) W MASON 80 N O'Farrell. Extend wall and install toilet.
Owner.....D. L. Randolph, 467 O'Farrell, San Francisco.
Architect...Cunningham & Politco, 1st National Bank Bldg., S. F.
Contractor...Andrew Wilkie Co., 519

California, San Francisco
COST, \$800

ALTERATIONS
(95) NO. 852 STANYAN. Alter and repair dwelling.
Owner.....J. Eckland, Premises.
Architect...None.
Contractor...J. H. Baker, 335 22nd Ave. San Francisco.
COST, \$400

FRAME FRUIT STORE
(96) SE BROADWAY & FILLMORE. One-story frame fruit store.
Owner.....T. C. Andrews, 329 Kearny San Francisco.
Architect...None.
Contractor...D. Chlentzos, 1013 Hayes, San Francisco.
COST, \$400

MARQUISE
(97) NO. 35 POWELL. Erect mar- quise.
Owner.....Pig'n Whistle Co., Prem.
Architect...Mel I. Schwartz, Nevada Bank Bldg., S. F.
Contractor...McMelvin-von Voorhies, 110 Jessie, San Francisco.
COST, \$950

ALTERATIONS
(98) NE CASTRO AND TWENTY-Sixth. Minor alterations.
Owner.....N. Tweitmann, 1623 Castro San Francisco.
Architect...None.
Day's work. COST, \$400

REPAIRS
(99) NO. 228 GRANT AVE. Repair fire damage.
Owner.....Atlas Bldg., Premises.
Architect...None.
Contractor...Thos. Wilson, 1176 Mc-Allister, S. F.
COST, \$450

ALTERATIONS
(100) N FULTON 150 W Fifth Ave. Alter stable and minor changes.
Owner.....Baron Von Woellworth, 2934 Fulton, S. F.
Architect...None.
Contractor...M. Elberger, 745 5th Ave., San Francisco.
COST, \$500

GRAVEL BUNKER
(101) N GENEVA, W S. P. right-of-way. Gravel bunker.
Owner.....E. M. Moores, Burlingame, California.
Architect...Meese & Gottfried Co., 662 Mission, San Francisco.
Day's work. COST, \$750

ALTERATIONS
(102) NO. 1549 TWENTY-SECOND Ave. Alterations, raise and make changes.
Owner.....N. G. Bain, Premises.
Architect...None.
Contractor...O. W. Brittt, 330 Ivy Ave., S. F.
COST, \$800

ALTERATIONS
(103) NO. 1000 POTRERO AVE. Alter saloon.
Owner.....Sanders & Scheib, Prem.
Architect...None.
Contractor...J. S. Malloch, 110 Jessie, S. F.
COST, \$600

ALTERATIONS
(104) NO. 34 ELLIS. Alter partition.

Owner.....Union Square Invst. Co., Flatiron Bldg., S. F.
Architect...None.
Day's work. COST, \$460

FRAME STABLE
(105) W TWENTY-SEVENTH AVE 100 S Irving. Two-story frame stable.
Owner.....J. W. Johnston, 164 Boyce, San Francisco.
Architect...None.
Day's work. COST, \$400

CONCRETE SHELTER
(106) JUNIPERO SIERRA BLVD at Balboa. Concrete shelter and platform.
Owner.....Balboa Terrace Co., Inc., 318 Kearny, S. F.
Architect...Smith O'Brien, Humboldt Bank Bldg., S. F.
Contractor...A. Lynch, 180 Jessie, S. F.
COST, \$900

COMPLETION NOTICES.

San Francisco

Jan. 2, 1915—W EIGHTH AVE 325 S Lake — 25x120. David Wolf to E Wengard.....Dec. 23, 1914
Jan. 2, 1915—S CALIFORNIA, bet. Montgomery and Sansome (Merchants' Exchange). S F Commercial Club (Lessee of 13th and 14th floors) to David Zelinsky, California Artistic Metal & Wire Co Cyclops Iron Works, W. H. Johns-Manville Co, Mission Marble Works, Forderer Cornice Works, C C Morehouse, Bird-Rymer Co, W D Henderson, S W Band, The Electrical Constr Co and Mangrum & Otter, Inc.....Dec. 30, 1914
Jan. 2, 1915—NW THERESA 161 SE Alemany Ave SE 25xNE 100. Victor Bjors to whom it may concern.....Nov. 19, 1914
Jan. 2, 1915—S IRVING 35 W 8th Ave W 35xS 75. M Widrin to F Crothers.....Dec. 30, 1914
Jan. 2, 1915—SE PIERCE & BAY E 600xS 618.75. Panama-Pacific International Exposition Co to McFell Elec. Co.....Dec. 23, 1914
Jan. 4, 1915—SE HYDE & LOMBARD S 24-6xE 51-6. Kate de Barillas to M Holm & Son.....Dec. 31, 1914
Jan. 4, 1915—S JACKSON 141 W Polk W 95xS 127-8½. Thomas B Bishop Co to Frank Dewar & Son.....Dec. 31, 1914
Jan. 4, 1915—LOT 25 BLK 3 Sunnyside Add'n. Gustavus Schulte to Stevenson & Gowan.....Dec. 18, 1914
Jan. 4, 1915—W FORTY-THIRD AVE 250 S Lincoln Way 25x120. C H Dallman to whom it may concern.....Jan. 2, 1915
Jan. 4, 1915—NW POLK & CALIFORNIA W 56-3 N 87-6 W 25 N 25 E 81-3 S 112-6. Bradbury Estate Investment Co, Inc and Mary M Bradbury to Crown Cornice Works and McGowan & Butler.....Dec. 29, 1914
Jan. 4, 1915—S RAUSCH & HOWARD SE 73xSW 56; SW Rausch 73 SE Howard SE 27xSW 56. Daniel G Coleman, Edw H and wife Margt V Coleman to W R Bell.....Dec. 28, 1914
Jan. 4, 1915—NW VIENNA 225 NE France Ave NW 100 NE 25 SE 100 SW 25. Carl E and Ruth J Larson, fmly Parker to Ludwig B G Koenig.....Dec. 29, 1914
Jan. 4, 1915—LOT 16 BLK 6 Syndicates First Add'n to S. F. George L John-

son to whom it may concern.....
.....Dec. 28, 1914
Jan. 4, 1915—EXPOSITION SITE. D
B Torpy, Directing Commissioner
for Ohio State Commission Panama-
Pacific International Exposition to
Lange & Bergstrom.....Jan. 4, 1915
Jan. 4, 1915—N FILBERT 137.5 W
Leavenworth W 37.5x137.5; W
Leavenworth 87.5 N Filbert N 50x
137.5. Howard M Engle to J
Koschnitzki.....Dec. 31, 1914
Jan. 4, 1915—COMG. AT POINT 100
N 16th and 90 W Valencia N 250-
57½ W 119-8 E 251-17½ m or 1 E
107-2 Ptn Mission Block No. 36.
Rudolph Spreckels to W C Stepp..
.....Dec. 28, 1914
Jan. 5, 1915—N TWENTY-SECOND
205 E Guerrero E 25xN 114. Ann
Higgins to D W Ross.....Dec. 31, 1914
Jan. 5, 1915—N TURK 171-10½ E
Taylor E 34-4½xN 137-6. Zeller-
bach-Levison Co to Chas S Amsler
.....Jan. 2, 1915
Jan. 5, 1915—NW POST & STOCKTON
N 137-6xW 137-6. Blanche M Bur-
bank to Clarke & Dickson.....
.....Dec. 28, 1914
Jan. 5, 1915—E TWENTY-FIRST AVE
300 S Geary S 25xE 120. Mathew
Fitzgerald and Mary Fitzgerald
to Thos Hamill.....Dec. 30, 1914
Jan. 5, 1915—W POWELL 76-10 S
Sutter W 100-0½ S 22-8 E 100 N
20-10. Hulda E Floodberg to
Cameron & Disston.....Dec. 31, 1914
Jan. 6, 1915—BLK RDED BY GROVE,
Larkin, Hayes and Polk. Panama-
Pacific International Exposition Co
to Lindgren Co.....Jan. 5, 1915
Jan. 6, 1915—NE OCTAVIA & HAYES
N 130xE 38-3. L Gendotti Estate
Co to M B McGowan and J J
Butler.....Dec. 31, 1914
Jan. 6, 1915—S BEACH 90 W Steiner
S 618.75xW 838.12. Panama-Pacific
International Exposition Co to Mc-
Sheehy Bros.....Jan. 4, 1915
Jan. 6, 1915—S TONQUIN 90 W Steiner
E 57-25xN 687.5. Panama-Paci-
fic International Exposition Co to
McSheehy Bros.....Jan. 4, 1915
Jan. 6, 1915—S BEACH 90 W Steiner
E 571.25xN 687.5. Panama-Pacific
International Exposition Co to Mc-
Sheehy Bros.....Jan. 4, 1915
Jan. 6, 1915—S TONQUIN 90 W Steiner
S 687.5xW 838.12. Panama-Paci-
fic International Exposition Co to
McSheehy Bros.....Jan. 4, 1915
Jan. 6, 1915—S BEACH 55 E Brod-
erick E 886.87xS 618.75. Panama-
Pacific International Exposition Co
to McSheehy Bros.....Jan. 4, 1915
Jan. 6, 1915—S TONQUIN 55 E Brod-
erick E 886.87xS 687.5. Panama-
Pacific International Exposition Co
to McSheehy Bros.....Jan. 4, 1915
Jan. 6, 1915—S TONQUIN 55 E Brod-
erick S 687.5xW 535.27. Panama-
Pacific International Exposition Co
to McSheehy Bros.....Jan. 4, 1915
Jan. 6, 1915—S BEACH 55 E Brod-
erick S 687.5xW 535.27. Panama-
Pacific International Exposition Co
to McSheehy Bros.....Jan. 4, 1915
Jan. 6, 1915—N ARMY 93-2½ E Mis-
sion E 57-7½ NW 72-8½ to SE
Serpentine Ave W along SE Ser-
pentine Ave W 49-7 SE 49-5½.
Mary A and John McConaghy to
Brutcher & Serna.....Dec. 31, 1914
Jan. 6, 1915—NO. 37 SEVENTH AVE.
Oscar K Cushing to J Wendering
.....Jan. 6, 1914
Jan. 7, 1915—HARRISON 221 E

Sixth N 85 E 25 S 85 W 25. Jas
A Maguire to Jas A Maguire.....
.....Jan. 7, 1911
Jan. 7, 1915—E HYDE 35 N O'Farrell
27-6x82-6. Annie Green to A J
Falvey.....Jan. 5, 1915
Jan. 7, 1915—SW SANSOME & CALI-
fornia. Fireman's Fund Insurance
Co to Farrell & Reed.....Dec. 29, 1914
Jan. 7, 1915—W SEVENTEENTH
Ave 128 N Clement N 25xW 120.
Karl Yngve to whom it may con-
cern.....Jan. 6, 1915
Jan. 7, 1914—E SEVENTH AVE 75
S Kirkham 25x95; E Seventh Ave
100 S Kirkham 25x120. A J Raisch
to whom it may concern.....Jan. 6, 1915
Jan. 7, 1915—E-SCOTT 150 N Lom-
bard 25 on E Scott. Marguerite
Boittin to D Francisconi.....Jan. 6, 1915
Jan. 8, 1915—S NEY 75 W Congdon
W 25xS 110 Blk 8, College Hd Ass'n.
Nils F Nilsson to Martin Person..
.....Jan. 7, 1915
Jan. 8, 1915—W FIFTEENTH AVE
250 S Anza S 25xW 127-6. Harry
C Soelke to Geo F Cleese.....Jan. 8, 1915
Jan. 8, 1915—E SAN BRUNO AVE 125
N Burrows, being Lot 6 Blk "B"
Haley's Purchase. Minnie Lub-
linsky to T H Parry.....Jan. 7, 1915
Jan. 8, 1915—S NEY 100 W Congdon
W 25xS 110, Blk 8 College Hd Ass'n
Martin Person to Martin Person..
.....Jan. 8, 1915
Jan. 8, 1915—S CLAY 41-3 W Laurel
— 27-6 S 127-8½ E 27-6 N 127-8½.
Rose Hoffman Frederick to Geo C
Moren.....Dec. 29, 1915
Jan. 8, 1915—EXPOSITION SITE.
National Cannery Ass'n to A
Knowles.....Jan. 6, 1915
Jan. 8, 1915—N TURK 171-10½ E
Taylor E 34-4½xN 137-6. Zeller-
bach-Levison Co to Central Iron
Works.....Jan. 5, 1915
Jan. 8, 1915—W GUERRERO 89 N
Cumberland N 25 W 120 S 25 E 100.
Adam Becker and Amelia Becker to
Ratto & Ratto.....Jan. 8, 1915
Jan. 8, 1915—W MISSION 126.58 S
Richland Ave S 25.30 W 118.47 N
25 E 122.38 Lot 2 Blk 1 College
Hill Tract. Mrs Gabriel Florence
Nold to F G Denke.....Jan. 8, 1915
Jan. 8, 1915—NE WASHINGTON &
Octavia E 175 N 127-8½ E 2-6 N
127-8½ W 177-6 S 255-4½. A B
Spreckels to McGilvray Stone Co..
.....Jan. 5, 1915
Jan. 8, 1915—W JORDAN AVE 100
N Geary W 120 N 30 E 120 S 30. H
B Goldsmith to whom it may con-
cern.....Dec. 9, 1914
Jan. 8, 1915—S COMMERCIAL 60 E
Montgomery S 59-6xE 49-9. Pacific
Gas & Elec Co to Herman Bosch,
Jan. 2, 1915; Decker Elec Co, Dec.
30, 1914; Alex Coleman, Jan. 4, 1915;

Oelrichs, Virginia Vanderbilt, Pan-
ama-Pacific International Exposi-
tion Co, Commary-Peterson Co,
Chas Pianto and P Prasso...\$4966.28
Dec. 28, 1914—S CALIFORNIA 82-6
W 25th Ave W 50xS 100. Ickel-
heimer Bros Co vs L M Shuck and
Betty Shuck and L U Grant....\$113
Dec. 28, 1914—LOTS 34 AND 35 BLK
"B" Ashbury Park Tract. Holmes
Planing Mill Co, \$349.55; Acme
Lumber Co, \$550.45 vs Blanche
Freeman and L L Allen.....
Dec. 29, 1914—N UNION 190 W Web-
ster W 25xN 137-6. George Y
Morton vs Florence Davis and M M
Finlayson\$50
Dec. 29, 1914—S CALIFORNIA 82-6 W
25th Ave W 50xS 100. James Cant-
ley vs L M and Jane Doe Shuck
and L U Grant.....\$80
Dec. 30, 1914—S TWENTIETH 200 E
Michigan S 133-7½xE 79-8. Inlaid
Floor Co vs Harry L and Chas A
Day (as Thos H Day's Sons) and
Union Iron Works.....\$52
Dec. 30, 1914—SW TWENTY-SIXTH
80 W from point formed by inter-
section of 26th and W Diamond W
30xS 114. M W Farrell vs C G
Empey Arding\$29.90
Dec. 31, 1914—NW MARKET & W
The Embarcadero (East) N to S
Commercial W along Commercial
to a point 481-8 E Drumm S 59-9
E 45-8 S 59-9 to a point N Sacra-
mento 527-4 E Drumm E along N
Sacramento to its intersection with
NW Market NE to beg, City Slip.
Lots 118, 119, 121, 122. Standard
Crushed-Rock Co vs Henry Cowell
Lime & Cement Co, C A and H L
Day (as Thos H Day's Sons)...\$889.50
Dec. 31, 1914—SW MASON AND
Jackson W 57-6xS 24. C Bloom vs
A Brisa, G Volpi and Antone Sam-
buck\$25
Dec. 31, 1914—PTN OF LAND BDED
on W by Illinois, S by 20th exten-
ded N by 19th extended and E
by Bay of S. F. W P Fuller & Co
vs Union Iron Works Co and
Chas A Day and Harry L Day (as
Thos H. Day's Sons).....\$517.48
Dec. 31, 1914—S LAKE 32-6 W 18th
Ave W 25xS 100. Edwin E Roller
vs Rose C C Tierney or Rose
Williams (2 Liens).....\$62 and \$450
Dec. 31, 1914—W TWENTY-THIRD
Ave 215 S Ulloa (U) S 25xW 120.
James Christensen vs Edgewood
Land Co and John F Haner....\$175
Jan. 2, 1915—N UNION 190 W Web-
ster W 25xN 137-6. Olson-Mahony
Lumber Co vs M M Finlayson and
Florence Davis\$512.43
Jan. 4, 1915—E SANCHEZ 181-6 S
22nd S 22-6xE 100. E V Lacey vs
Jos F Moss and Bay City Bldg Co.,
Inc\$150
Jan 4, 1915—SE LOMBARD & BAKER
S 30xE 81-6. W H Daniel and Wm
Shott vs Johanna K Meyer and
Peter Larsen\$165.93
Jan. 4, 1915—BDED ON W BY Illinois,
S by 20 extended, N by 19 Ext, E by
Bay of S. F. Woods & Huddart vs
Thos H Day's Sons and Union Iron
Works\$961.47
Jan. 4, 1915—N UNION 190 W Web-
ster W 25xN 137-6. J P Lorden
Mill vs Florence Davis and M M
Finlayson\$325
Jan. 5, 1915—NW MARKET AND W
The Embarcadero (East) N along
W Embarcadero to S Commercial
W along S Commercial to a pt 481
E Drumm S 45-8 to a pt 527-4 E

LIENS FILED

SAN FRANCISCO COUNTY.

Dec. 23, 1914—N WASHINGTON 47-6
W Locust W 50xN 127-8½. Bradley
& O'Reilly vs Carrie M and Morton
L Cook.....\$230
Dec. 23, 1914—N PAGE 100 E Fillmore
The Gas & Electric Appliance Co vs
Margaret and Anna Carey....\$137.50
Dec. 24, 1914—N IRWIN 220 W Sixth
W 125xN 140. Bay City Iron Wks
vs Southern Pacific Co, Sanroc Mfg
Co\$15.25
Dec. 28, 1914—S NORTH POINT 150
E Divisadero E 600xS 343.75. Mat-
thews & Randolph vs Theresa

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HARRISON ST.,
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San Francisco

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Drumm E along N Sacramento to its intersection with N Market NE to beg. City Slip Lots 118, 119, 121, 122. Keystone Ornamental Iron & Bronze Works vs Henry Cowell Lime & Cement Co and Thos H Day's Sons\$282.50
Jan. 5, 1915—S CALIFORNIA 82-6 W 25th Ave W 25xS 100. G and M Sheen Metal Works vs L. M and Jane Doe Shuck and L. U Grant.\$17.50
Jan. 6, 1915—NW MARKET AND S Sacramento E 23-3% m or l to W Embarcadero (East) NW along Embarcadero to a pt formed by intersection of W Embarcadero and S Commercial W 38-3% m or l to a pt 481-8 E Drumm S 59-9 E 45-8 N 59-9 m or l to a pt in N Sacramento 527-4 E Drumm E along Sacramento to beg. W F Fuller & Co vs Henry Cowell Lime & Cement Co, Chas A and Harry L Day (as Thos H Day's Sons).....\$1817.74
Jan. 6, 1915—NW MARKET AND W 10th East N along West to S Commercial W along Commercial to a pt between E 10th and E 11th S 59-9 E 45-8 N 59-9 m or l to a pt in N Sacramento 527-4 E Drumm E along

Sacramento to intersection with NW Market E to beg. City Slip Lots 118, 119, 121 and 122. H J Hughes vs Thos H Day's Sons and Henry Cowell Lime & Cement Co.\$770
Jan. 6, 1915—S LAKE 82-6 E 24th Ave E 50xS 100. Charles E Moehrle (as Modern Sheet Metal Works) vs Geo C and Helen M Sargent and Fred J H Rickon.....\$242
Jan. 7, 1915—S EIGHTEENTH 230 E Noe E 25xS 114. Leonard Lumber Co vs Sebastian E and Rosa Dunne and A Worral\$49.27
Jan. 7, 1915—NW MARKET AND N Sacramento NE 23-3% m or l to W Embarcadero (East) NW along Embarcadero to a point formed by intersection of W Embarcadero and S Commercial W 38-3% m or l to a point 481-8 E Drumm S 59-9 E 45-8 S 59-9 m or l to a point in N Sacramento 527-4 E Drumm E along N Sacramento to beg. The Simplex Window Co vs Henry Cowell Lime & Cement Co and Thos H Day's Sons\$262.60
Jan. 8, 1915—W TWENTY-THIRD Ave 215 S Choa S 25xW 120. W S James vs Edgewood Land Co and

John F Haner.....\$55
Jan. 8, 1915—E UTAH 150 S 24th S 25xE 100. George Ryan, \$486.66; Daniel Leahy, \$128.05 vs Margaret Mullin and Thos F Mitchell.....
Jan. 8, 1915—E UTAH 150 S 24th S 25xE 100. Thos F Mitchell vs Margaret Mullin\$1135.80
Jan. 8, 1915—SW STEINER AND Greenwich S 25xW 100. George Ryan vs R Mosio, G Alessio and P Prasso\$933.85

RELEASE OF LIENS

SAN FRANCISCO COUNTY.

Jan. 2, 1915—NE RAUSCH 100 SE Howard NE 112xSE 25. Reinhart Lumber & Planing Mill Co to Julius Svirbeley and J W Overton..
Jan. 4, 1915—W LEAVENWORTH 87-6 N Turk N 50xW 37-6. G Bianchini and J S Guerin to Eisenbach Co and The General Bldg Work Company.....
Jan. 4, 1915—W LEAVENWORTH 87-6 N Turk N 50xW 37-6. J S Guerin to Eisenbach Co and J J Philbin
Jan. 5, 1914—SW TURK AND POLK S 120 W 97-6 N 30 E 30 N 90 E 67-6 A E Hornlein to John Gallwey and Chas W Slack as extras Est Reuben H Lloyd, dec'd.....
Jan. 8, 1915—NW CALIFORNIA 82-10% SW from Fifth Ave SW 25-2 3-16 N parallel with Fifth Ave 122-11% E 25 S 110-5%. S J Sterner to J V De Ryana and Sidney B Newsom.....

OAKLAND AND ALAMEDA COUNTY.

CHURCH—2 story and base, brick and steel, \$70,000. Oakland. Architect, William Newman, David Hewes Bldg., S. F. Owners, Second Church of Christ, scientist. The building has been mentioned here before and will be erected at the northeast corner of 34th and Elm streets. The design is in the Classic style. There will be a large main auditorium and special reading rooms. Interior will be finished in pine and ornamental plaster. Art glass windows will be installed. There will be steam heat and a modern system of ventilation. Exterior of the building will be faced with pressed brick trimmed with terra cotta. Plans are complete and figures are now being taken.

GARAGE—y story and base, brick, \$10,000. Oakland, Cal. Architect, none. Owner, Al Kendall, 3045 Telegraph avenue, Oakland. The building, which has been designed for a commercial garage, will be erected at the corner of 30th street and Telegraph avenue, covering an area of 100 by 128 feet. There will be a cement floor and steel roof trusses. Interior will be finished in pine. Special gasoline storage tanks and metal window sash and frames are specified. Besides the storage space the building will contain an office and completely equipped machine shop. Exterior will be faced with pressed brick. Plans are complete and in the hands of the owner who will let segregated contracts for the work.

RESIDENCE—2 story and base, frame. Cost not stated. Berkeley, Alameda Co., Cal. Architect, N. W. Shaw, 3037 Bateman street, Berkeley. Owner, E. E. Eitel. The dwelling will be

erected in the Claremont Tract, and has been designed to contain seven rooms, bath and sleeping porch. Interior finish will be of pine, redwood and hardwood veneer. Hardwood floors will be used in the living and dining rooms. Plans provide for furnace heat and open fire places. Mantels will be of tile and brick. An automatic water heater will be installed. Tile wainscot and floor will be used in the bathroom. Exterior of the house will be covered with cement plaster on metal lath. Plans are complete and figures are being taken.

RESIDENCE—2 story and base, frame, \$3,500. Berkeley, Alameda Co., Cal. Architect, none. Owner, A. S. Holmes, Dalziel Bldg., Oakland. The dwelling will be erected in Thousand Oaks and has been designed for a seven-room house with two baths and sleeping porch. Interior finish will be of pine and hardwood. Hardwood floors will be used in the living room, dining room and reception hall. There will be furnace heat and open fire places. Mantels will be of tile and brick. Tile wainscot and floor will be used in the bath room. An automatic water heater will be installed. Exterior of the house will be covered with cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor. Materials are now being purchased.

RESIDENCE—2 story and base, frame, \$4,000. Berkeley, Alameda Co., Cal. Architect, H. P. Smith, Blake Bldg., Oakland. Owner, P. O. Boyd. The dwelling will be erected in Boyd Place and has been designed for a seven-room house with two baths, sleeping porch and garage. Interior finish will be of pine and hardwood. Hardwood floors will be used in the living and dining rooms and reception hall. There will be furnace heat and open fire places. Mantels will be of tile and brick. An automatic water heater will be installed. Bath rooms will have tile wainscot and floors. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor.

SCHOOLS—5, 1 and 2 story. Class C construction, \$35,000 to \$100,000. Berkeley, Alameda Co., Cal. Architects as follow. Owners, City of Berkeley. The following architects have been selected to design the five new Berkeley Schools. Architect, Walter Reed, Oakland Bank of Savings, Oakland, will design the West Berkeley School, containing six class rooms and costing \$35,000. Architects Coxhead & Coxhead, Hearst Bldg., San Francisco, will design the North Berkeley School, containing seven class rooms and an auditorium to seat 400, cost \$37,000. Architect W. H. Ratcliff, Jr., First National Bank Bldg., Berkeley, will design the South Berkeley School, containing 12 class rooms and an auditorium seating 500, cost \$70,000. Architects Hobart & Cheney, Crocker Bldg., San Francisco, will design the Ward School at Ward and Telegraph avenue, containing 18 class rooms and an auditorium seating 700, cost \$100,000, and Architect James W. Plachek, Acheson Bldg., Berkeley, will design the Claremont School, containing 6 class rooms and an auditorium seating 250 people, cost \$28,000. All build-

ings will be of the class C type of construction. The various architects are now at work on the plans.

SCHOOL—2 story, frame and plaster, \$35,000. Oakland, Cal. Architect, J. J. Donovan, Security Bank Bldg., Oakland. Owners, City of Oakland. The building will be erected at the corner of Fifth and Linden streets and has been designed to contain eight class rooms and an assembly hall. Interior will be finished in pine with some maple floors. There will be a modern system of heating and ventilating, special school plumbing and program clocks. Exterior of the building will be covered with cement plaster on metal lath. Plans are now being prepared.

Building Contracts Awarded.

Oakland.

No.	Owner	Contractor	Amt.
5	Morse	Morse	1900
6	Elks	Elks	500
8	McGuinness	Walker	500
9	Young	Young	1600
10	Hopper	Hopper	1950
11	Elrod	Sheridan	1000
12	1st Nat'l	Duval	400
13	Baird	Sommarstrom	400
14	Bishop	Smith	750
15	Ng Poon Chew	United	3000
17	Pedersen	Pedersen	851
21	Gruening	Bruecker	1875
22	Hollidge	Hollidge	2600
24	Havens	Broad	5000
25	Bunker	Whitney	4563
26	Oakland	McLeod	3200
28	Luttrell	Scott	1900
29	Strang	Strang	1600
30	McAuley	McAuley	400
31	Petersen	Petersen	1400
32	Petersen	Hambleton	2470
33	Kaelin	Kaelin	1200
38	Luttrell	Scott	1875
39	Brooks	Junk	3400
40	Olson	Olson	2100
41	Loughery	Owner	6000
42	Ungarette	Owner	400
43	Okl Cal Towel	Trewhitt	500
44	Scardi	alente	1200

DWELLING

(5) S E-THIRTY-EIGHTH 300 E Fruitvale Ave., Oakland. One-story 4-room dwelling.
Owner.....H. A. Morse, — E-38th, Okd
Architect...None.
Day's work. COST, \$1900

ALTERATIONS

(6) NO. 420 FOURTEENTH, Oakland. Alterations.
Owner.....Elks' Club, Premises.
Architect...None.
Day's work. COST, \$500

ALTERATIONS

(8) NO. 1507 WASHINGTON, Oakland. Alterations.
Architect...None.
Owner.....J. E. McGuinness, Prem.
Contractor...T. G. Walker, 566 44th, Oakland. COST, \$500

DWELLING

(9) E BROWN AVE 250 E California, Oakland. One-story four-room dwlg
Owner.....C. B. Young, 3928 39th Ave Oakland.
Architect...None.
Day's work. COST, \$1600

DWELLING

(10) S PLEASANT VALLEY AVE opp. Moraga Ave., Oakland. One and one-half-story 5-room dwelling.
Owner.....Alfred J. Hopper, 219 John, Oakland.
Architect...None.
Day's work. COST, \$1950

DWELLING

(11) E SEVENTY-SIXTH AVE 150 S E-14th, Oakland. One-story 4-room dwelling.
Owner.....E. Elrod, 1020 Broadway, Oakland.
Architect...None.
Contractor...K. M. Sheridan, 1020 Broadway, Oakland.
COST, \$1000

ALTERATIONS

(12) FOURTEENTH & BROADWAY, Oakland. Alterations.
Owner.....First National Bank, Prem.
Architect...None.
Contractor...Oliver Duval & Son, Dalziel Bldg., Oakland.
COST, \$100

GARAGE

(13) W OAK 518 N 14th, Oakland. Garage.
Owner.....Dr. F. Baird, 1525 Oak, Oakland.
Architect...None.
Contractor...Sommarstrom Bros., 202 E-12th, Oakland.
COST, \$100

ADDITION

(14) NO. 554 OAKLAND AVE., Oakland. Addition.
Owner.....E. Bishop, 1321 West, Okd.
Architect...None.
Contractor...Frank Smith, 2230 17th Ave., Oakland.
COST, \$750

DWELLING

(15) W THIRTEENTH AVE 320 N Wellington, Oakland. One-story 6-room dwelling.
Owner.....Ng Poon Chew, 3765 Shaftner Ave., Oakland.
Architect...None.
Contractor...United Home Bldrs., 1762 Broadway, Oakland.
COST, \$3000

DWELLING

(17) S LYON 150 E 38th Ave., Oakland. One-story 4-room dwelling.
Owner.....Charles M. Pedersen.
Architect...None.
Day's work. COST, \$850

ALTERATIONS

(21) NO. 610 WEBSTER, Oakland. Alterations.
Owner.....Mrs. Pauline Gruening, 233 9th, Oakland.
Architect...F. D. Voorhees, Central Bank Bldg., Oakland.
Contractor...J. Henry Breucker, 1326 E-12th, Oakland.
COST, \$1875

DWELLING

(22) N MANILA AVE 155 E College Ave., Oakland. One-story 6-room dwelling.
Owner.....Geo. H. Hollidge, 5712 Claremont Ave., Oakland.
Architect...None.
Day's work. COST, \$2600

BRICK STORES

(24) S EIGHTH 60 W Broadway, Oakland. One-story brick stores.
Owner.....J. W. Havens, 2621 Benvenue, Oakland.
Architect...None.
Contractor...A. H. Broad, 2117 Kitt-ridge, Berkeley.
COST, \$5000

DWELLING

(25) W WALKER AVE 100 N Cheeney Ave., Oakland. Two-story 10-room dwelling.

Owner.....T. E. Bunker, 149 California, San Francisco.

Architect...Edw. T. Foulkes, Crocker Bldg., San Francisco.

Contractor...A. L. Whitney, 1618 27th Ave., Oakland.

COST, \$4563

STAFF WORK, ETC.

(26) TWELFTH AND FALLONS, Oakland. Staff ornaments and ornamentations for Class "A" Auditorium

Owner.....City of Oakland.

Architect...John J. Donovan, Security Bank Bldg., Oakland.

Contractor...W. M. Makin, 1011 Franklin, Oakland.

Sub-Contractor...Joseph N. Wicks, 260 Washington, Oakland. (Assigned to John C. McLeod in same document).

Filed Jan. 5, '15. Dated Sept. 3, '14.

Monthly payments of..... 75% When general contractor paid

.....Balance

TOTAL COST, \$3200

Bond, limit, forfeit, none. Plans and specifications, none.

DWELLING

(28) E CHESTNUT 158 N 26th, Oakland. One-story 6-room dwelling.

Owner.....Pauline M. Luttrell, 2615 Sacramento, San Francisco.

Architect...None.

Contractor...G. A. Scott, 685 23rd, Okd.

COST, \$1900

DWELLING

(29) E ELSTON AVE 135 S E-38th, Oakland. One-story 5-room dwlg.

Owner.....V. N. Strang, 1521 9th St., Alameda.

Architect...None.

Day's work. COST, \$1600

DWELLING

(30) W EIGHTY-FIRST AVE 100 S "B," Oakland. One-story 2-room dwelling.

Owner.....W. H. McAuley, 430 Third, Oakland.

Architect...None.

Day's work. COST, \$400

DWELLING

(31) N SIXTY-FIFTH 80 E Herzog, Oakland. One-story 4-room dwlg.

Owner.....A. M. Petersen, 3377 Adeline, Berkeley.

Architect...None.

Day's work. COST, \$1400

DWELLING

(32) N RIO VISTA 760 W Piedmont Ave., Oakland. One and one-half-story 6-room dwelling.

Owner.....Mrs. J. W. Peterson, 79 Montel, Oakland.

Architect...None.

Contractor...Fred Hambleton, 575 43rd, Oakland.

COST, \$2470

ALTERATIONS

(33) NO. 401 SANTA CLARA AVE., Oakland. Alterations.

Owner...Joseph Kaelin, 1933 5th Ave., Oakland.

Architect...None.

Day's work. COST, \$1200

FRAME DWELLING

(38) E CHESTNUT 158-6 N 26th N 26 xE 132, being Lot 4 Blk "M" Boardman Survey, Oakland. All work for one-story and basement frame dwlg.

Owner.....Pauline Norris Luttrell, 2615 Sacramento, S. F.

Architect...Bernard T. Joseph, 1st National Bank Bldg., S. F.

Contractor...G. A. Scott, Oakland.

Filed Jan. 8, '15. Dated Jan. 2, '15.

Frame up and enclosed.....\$468.50

Plastered 468.50

Completed and accepted..... 469.00

Usual 35 days..... 469.00

TOTAL COST, \$1875.00

Bond, \$940. Sureties, Alice M. and H. B. Scott. Limit, 60 days. Forfeit, \$5.

Plans and specifications filed.

FRAME DWELLING

(39) LOT 10 BLK 20 Map North Cragmont, Oakland Tp. All work for two-story 6-room frame dwelling.

Owner.....Troy J. Brooks.

Architect...None.

Contractor...Junk-Riddell Invst. Co., 2247 Telegraph Ave., Okd.

Filed Jan. 9, '15. Dated Jan. 2, '14.

Frame up ¼

Brown coated ¼

Completed and accepted..... ¼

Usual 35 days..... ¼

TOTAL COST, \$3400

Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications filed.

DWELLING

(40) E SHEFFIELD 314 S Hopkins, Oakland. One-story 5-room dwelling

Owner.....Arvid E. Olson, 721 10th, Oakland.

Architect...None.

Day's work. COST, \$2100

THEATRE AND STORES

(41) S E-TWELFTH 50 W Seventh Ave., Oakland. One-story brick theatre and stores.

Owner.....Ellabeth Loughery, 705 31st, Oakland.

Architect...None.

Contractor...J. F. Loughery, 705 31st, Oakland.

COST, \$6000

TANK FRAME

(42) NO. 1393 EIGHTEENTH, Oakland Tank frame.

Owner.....Charles Ungarette, Prem.

Architect...None.

Day's work. COST \$400

TANK TOWER

(43) NE TWENTY-EIGHTH AND Filbert, Oakland. Tank tower.

Owner.....Oakland California Towel Co., Premises.

Architect...None.

Contractor...J. E. Trewitt, 516 43rd, Oakland.

COST, \$500

DWELLING

(44) N AILEEN 120 E Los Angeles, Oakland. One-story 4-room dwelling

Owner.....E. Scardi, 5842 Vallejo, Oakland.

Architect...None.

Contractor...M. E. Valente, 5882 Vallejo, Oakland.

COST, \$1200

Building Contracts Awarded.

Berkeley.

No.	Owner	Contractor	Amt.
7	McHuffie	Connell	1000
18	Ericsson	Ericsson	1500
19	Same	Same	800

20	Smith	Smith	1000
23	Hasse	Johnson	1800
34	Williams	Texdahl	2350
35	Rosenthal	Ernsberger	500
36	Rodehaver	Owner	8000
37	Martin	Kollmer	3100
45	Roberts	Schoott	3000
46	Claremont	Mason	500

ALTERATIONS

(7) NO 2616 ASHBY AVE., Berkeley. Alterations.

Owner.....W. R. McHuffie, 536 32nd, Oakland.

Architect...None.

Contractor...Robt. Connell, 533 31st, Oakland.

COST, \$1000

DWELLING

(18) S CARLTON 160 W Mabel, Berkeley. Ore and one-half-story six-room dwelling.

Owner.....Carl Ericsson, 1200 Masonic, Berkeley.

Architect...None.

Day's work. COST, \$1500

ADDITION

(19) N BRISTOL 60 W San Pablo Ave. Berkeley. Add one-story to Class "C" shop.

Owner.....Carl Ericsson, 1200 Masonic, Berkeley.

Architect...None.

Day's work. COST, \$800

ALTERATIONS

(20) N WARD 200 E Fulton, Berkeley Alter dwelling into flats.

Owner.....Minnie A. Smith, 2217 Ward, Berkeley.

Architect...None.

Contractor...C. O. Smith, 2217 Ward, Berkeley.

COST, \$1000

DWELLING

(23) N ASHBY 445 E San Pablo Ave., Berkeley. One-story 5-room dwlg.

Owner.....Charles Hasse, 1046 Murray, Berkeley.

Architect...None.

Contractor...W. Johnson, 3228 Adeline, Berkeley.

COST, \$1800

FRAME DWELLING

(34) N BLAKE 127-6 E Ellsworth E 40xN 134-6, Berkeley. All work for one-story frame dwelling.

Owner.....T. W. and Martha W. Williams, 2319 Blake, Bkly

Architect...None.

Contractor...C. Texdahl, 3035 Harper, Berkeley.

Filed Jan. 7, '15. Dated Jan. 5, '15.

Frame up ¼

Brown coated ¼

Completed and accepted..... ¼

Usual 35 days..... ¼

TOTAL COST, \$2350

Bond, none. Limit, 70 days. Forfeit, \$1. Plans and specifications filed.

ALTERATIONS

(35) N HEARST AVE 75 E Le Conte, Berkeley. Alterations.

Owner.....Dr. C. H. Rosenthal, 3207 Hearst Ave., Berkeley.

Architect...None.

Contractor...F. A. Ernsberger, 6245 College Ave., Berkeley.

COST, \$500

CLASS "B" GARAGE

(36) N BERKELEY WAY 193 E Shattuck Ave., Berkeley. One-story Class "B" garage.

Owner.....Geo. W. Rodehaver, 2411
Regal Road, Berkeley.
Architect...Woollett & Woollett, New-
hall Bldg., S. F.
Day's work. COST, \$8000

STORES

(37) S COLLEGE AVE 60 S Russell,
Berkeley. One-story stores.
Owner.....H. M. Martin, 2183 Shat-
tuck Ave., Berkeley.
Architect...None.
Contractor..Jacob Kollmer, 2753 Pied-
mont Ave., Berkeley.
COST, \$3100

DWELLING

(45) S SHASTA 150 N Rose, Berkeley.
Two-story 7-room dwelling.
Owner.....Roy Roberts, Eastman
Bldg., Berkeley.
Architect...None.
Contractor..Walter Schott, Le Roy &
Tamalpias, Berkeley.
COST, \$3000

ALTERATIONS

(46) E TUNNEL ROAD 350 NW Al-
varado Road, Berkeley. Alterations.
Owner.....Claremont Land Co., Shat-
tuck & Addison, Berkeley.
Architect...W. H. Ratcliff, Jr., First
National Bank Bldg., Bkly
Contractor..Mason-McDuffie Co., Shat-
tuck & Addison, Berkeley.
COST, \$500

Building Contracts Awarded**Alameda.**

No.	Owner	Contractor	Amt.
16	Hanley	Roth	2085
27	Meyer	Fish	450

FRAME DWELLING

(16) S ALAMEDA AVE 265 W Paru
W 45xS 150, Alameda. All work for
one-story frame dwelling.
Owner.....J. S. Hanley, 1310 Park,
Alameda.
Architect...None.
Contractor..Conrad Roth, 2117 Pacific
Ave., Alameda.
Filed Jan. 4, '15. Dated Oct. 14, '14.
Frame up 1/4
Ready for plaster..... 1/4
Wood work, painting & masonry
completed 1/4
36 days after..... 1/4
TOTAL COST, \$2285

Bond, \$1000. Surety, Not given. Limit,
forfeit, none. Plans and specifications
filed.

REPAIRS

(27) NO. 2047 SAN JOSE AVE., Ala-
meda. Repairs.
Owner.....Mrs. B. Meyer, Premises.
Architect...None.
Contractor..M. H. Fish, 1420 Fountain,
Alameda.
COST, \$450

**ALAMEDA COUNTY BUILDING STA-
TISTICS FOR THE YEAR 1914.**

Compiled By The Building Departments
of Oakland, Berkeley and Alameda.

City of Oakland.

January	\$ 257,786.40
February	429,263.20
March	625,907.50
April	405,540.50
May	366,278.50
June	451,231.15
July	430,665.80

August	411,889.60
September	354,562.80
October	423,355.00
November	281,769.00
December	278,891.55
Total	\$4,717,520.00
Key Route Pier.....	475,000.00

Grand Total\$5,192,520.00

City of Berkeley.

January	\$ 59,750
February	100,200
March	263,550
April	303,950
May	151,000
June	153,050
July	166,500
August	161,750
September	94,500
October	132,950
November	162,200
December	73,700

Total\$1,823,100

City of Alameda.

January	\$ 33,423.00
February	29,259.00
March	34,282.50
April	48,100.00
May	39,948.00
June	33,788.00
July	47,485.00
August	24,926.50
September	44,297.00
October	28,516.00
November	33,867.00
December	12,103.00

Total\$409,995.00

COMPLETION NOTICES.**ALAMEDA COUNTY**

Dec. 31, 1914—LOT 36 BLK "H"
Northbrae Terrace, Bkly. F R
Peake Co to C Texdahl..Dec. 30, 1914
Dec. 31, 1914—LOT 5 BLK "D" Map
Kenwood Park, Okd. Lewis &
Mitchell, Inc to O G Smith.....
.....Dec. 22, 1914
Jan. 4, 1915—LOT 22 RIDGEWOOD
Tract, Oakland. Ferdinand Erpf
to H H Weider.....Jan. 2, 1915
Jan. 4, 1915—LOT 23 BLK "O" Map
4th Avenue Terrace, Okd. Hattie
Billingsley to whom it may concern
.....Jan. 1, 1915
Jan. 5, 1915—E NORTHSIDE AVE 280
N Hopkins, Bkly. Honora Doyle
to whom it may concern..Dec. 30, 1914
Jan. 6, 1915—LOT 3 BLK 5 Arlington
Heights, Bkly. A F Hockenbeamer
to Ben Pearson.....Jan. 5, 1915
Jan. 7, 1915—W SHATTUCK AVE 240
N Alcatraz Ave th at r a 160 to
find point beg S 120xW 40, Okd.
C Texdahl to whom it may concern
.....Completed ---
Jan. 6, 1915—LOT 102 Mission San
Jose Lands, Washington Tp. Sam
Aftergut Co to Robert Irvine.....
.....Dec. 30, 1914
Jan. 7, 1915—E TELEGRAPH AVE
and W Broadway N 108.83 NW
36.86 S 104 SE 8.70, Okd. Federal
Realty Co to Charles R Watts....
.....Jan. 5, 1915
Jan. 7, 1915—NO. 2544 PERSIMMON
being NE 37-6 Lot 198 Map Fruit-
vale Add'n Tract, Okd. Oakland
Homes Corporation to whom it
may concern.....Jan. 7, 1915
Jan. 8, 1915—LOT 30 BLK "H" North-
brae Terrace, Bkly. G M Samson
to F R Peake.....Jan. 6, 1915

LIENS FILED.**ALAMEDA COUNTY.**

Jan. 2, 1914—LOT 4 BLK 9 Map Clare-
mont, Bkly. P S Sherman vs
Helena K Bowman.....\$10
Jan. 2, 1915—LOT 4 BLK 9 Map
Claremont, Bkly. P H White,
\$26.90; Edw F Niehaus & Co, \$46.63
vs Helena Kathryn Bowman,
James C Bowman, Bay City Bldg
Co and Chicago Bonding Co....
Rutgers vs Benjamin L Howland
and C D Mohr.....\$30
Jan. 4, 1915—LOT 4 BLK 9 Map Clare-
mont, Bkly. H V Williams vs
Helena Kathryn Bowman and Bay
City Bldg Co.....\$8.75
Jan. 4, 1915—E 45 LOTS 1 AND 2
Blk "G" Touhy 2nd Add'n to City
of Berkeley. Stege Lumber &
Hardware Co vs Otto Mailanen and
D J Horgan\$0.00
Jan. 4, 1915—LOTS 5 AND 6 Map
Fruitvale Vista Tract, Okd. F M
Dreisbach (Zenith Mill & Lumber
Co) vs Charles E Murdock, A T
Norwich and C C Hays.....\$159.86
Jan. 5, 1915—NE ALCATRAZ AND
Benvenue Aves N 50x E 40, —. B
Jan. 6, 1915—N EUNICE 45 E Arch
E 45xN 100, Bkly. Picard & Gushee
\$139.75; D J O'Connell, \$137; Pacific
Mfg Co, \$572.25 vs D J Horgan and
Otto Mailanen

RELEASE OF LIENS**ALAMEDA COUNTY.**

Jan. 4, 1915—NE SIXTH & WEST
E 75xN 100, Okd. W P Fuller &
Co, \$116.70; F C Vieira, \$52; L D
Green, \$125; Pacific Fuel & Bldg
Material Co, \$742.25; Union Floor
Co, \$157.35; Yager Sheet Metal &
Plumbing Co, \$344.20; Melrose
Lumber & Supply Co, \$2065.24; R
E Moore, \$2880 to F Depavo and L
Giachino

Jan. 4, 1915—S HOPKINS 18.38 E
14th Ave SE 67.16 W 32.74 NW
64.24 NE 23.4 SE 18.38, Okd. John
P Maxwell to Perry Baird.....\$72
Jan. 5, 1915—LOT 18 BLK 4 Map
Blks 3 and 4, Berkeley Park, Bkly.
Hogan Lumber Co, \$266.64; Chas F
and D M Naylor, \$213 to S Santo
and M G Barker.....

Jan. 6, 1915—SE PTN LOT 30 BLK 16
Map Blvd Park, Okd. O M Bullock
to Ada F Simpson.....\$500
Jan. 6, 1915—SE PTN LOT 30 BLK 16
Map Blvd Park, Okd. James C
Miller, \$160; W M Shelton, \$57; E
L Thompson, \$65; Fuller & Dingee,
\$410; E L Blackman Co, \$31.80;
Kronenberg Hardware Co, \$24; F
T Haub, \$30; Oscar F Brown, \$95;
C G Bush, \$60; Ed Maxwell, \$267.50
to Ada F Simpson and O M Bullock

**SAN JOSE AND THE SANTA CLARA
VALLEY.**

STREET IMPROVEMENT—Cost not
stated. Santa Clara, Santa Clara Co.,
Cal. Engineer, City Engineer H. B.
Fisher, Santa Clara. Owners, Town of
Santa Clara. Engineer H. B. Fisher is
now making an official survey of the
streets and sidewalks in Santa Clara
as the town trustees will soon order a
number of streets paved. At this time
among the streets to be improved are:
The San Francisco road, from the cor-

Person; Grant, from the town limits of Alameda; Liberty street to Lafayette and all other cross streets from Jefferson to the railroad station between Liberty and Benton streets and Franklin street from Grant to the railroad station. The work will be done under the 191 improvement act.

TRESTLE — Timber construction. Cost not stated. Redwood City, San Mateo Co., Cal. Engineer, County Surveyor Neuman, Redwood City. Owner, San Mateo County. Plans have been completed for a four span timber trestle to be erected on the Colma to Edgemar road over Tobin creek. Bids are now being taken and will be opened by the Board of Supervisors on February 1st. Plans and specifications can be secured from the County Surveyor at Redwood City.

HIGHWAY CONSTRUCTION — Cost not stated. Redwood City, San Mateo Co., Cal. Engineer, County Surveyor, Redwood City. Owners, San Mateo County. Plans have been completed and figures are now being taken for the construction of 2.436 miles of highway, beginning at the intersection of the State Highway at Redwood City and continuing out Santa Clara avenue through Menlo Park to Palo Alto. Bids will be opened on February 1st. Plans and specifications can be secured from the County Surveyor.

HIGHWAY CONSTRUCTION — Cost not stated. Redwood City, San Mateo Co., Cal. Engineer, County Surveyor, Redwood City. Owners, San Mateo County. Plans and specifications have been completed for constructing approximately 6.326 miles of highway in Road District No. 1 of San Mateo County. Bids will be opened on February 1st. Plans and specifications can be secured from the County Surveyor.

Contracts Awarded.

STREET PAVING — \$3,075. San Mateo, San Mateo Co., Cal. Engineer, City Engineer, San Mateo. Owners, City of San Mateo. Contractors, Federal Construction Co., Redwood City. Contract price, \$3,075.

STREET CONSTRUCTION—Cost not stated. Redwood City, San Mateo Co., Cal. Engineer, County Surveyor, Redwood City. Owners, San Mateo County. Contractor, James Wilson, Redwood City. Contract price not stated. This contract covers the construction of Kelly avenue at Half Moon Bay.

BUILDING CONTRACTS.

SANTA CLARA COUNTY.

(Correction in Owner's Name)

FRAME DWELLING

LOT 1 BLK 5, Palm Haven Tract, San Jose. All work for five-room frame dwelling.

Owner.....J. J. Shonts, San Jose.

Architect...None.

Contractor...P. J. Schmidt, 1222 Delmas Ave., San Jose.

Filed Dec. 30, '14. Dated Dec. 30, '14.

When all completed.....\$3256

TOTAL COST, \$3256

Bond, \$1500. Sureties, P. J. Schmidt and M. E. Kilcourse. Limit, 65 days. Forfeit, none. Plans and specifications filed.

Owner.....H. T. Helm, San Jose.
Architect...S. G. Pelton.
Contractor...S. G. Pelton, 217 S-First, San Jose.

Filed Dec. 30, '14. Dated Dec. 26, '14.

Frame up\$750

1st coat plaster on.....750

When completed750

Usual 35 days.....750

TOTAL COST, \$3000

Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications filed.

FRAME DWELLING

ON KENNEDY ROAD 2½ miles from Town of Los Gatos. All work for one-story frame dwelling.

Owner.....L. Lauret, San Jose.

Architect...None.

Contractor...A. & E. Delmaestro, 462 W-San Fernando and 630 S-First, San Jose.

Filed Dec. 23, '14. Dated Dec. 11, '14.

Frame up\$400

1st coat plaster on.....400

When completed400

Usual 35 days.....400

TOTAL COST, \$1600

Bond, limit, forfeit, none. Plans and specifications filed.

FRAME DWELLING

LOT 10 BLK 3, Hanchett Park, San Jose. All work except concrete work for frame dwelling.

Owner.....N. Tedesco, 245 S-First St., San Jose.

Architect...A. Porta, 34 Lake House Ave., San Jose.

Contractor...P. Jorgensen, 113 W-San Carlos St., San Jose.

Filed Dec. 23, '14. Dated Nov. —, '14.

Frame up\$651

Ready for plaster.....651

When completed651

Usual 35 days.....651

TOTAL COST, \$2604

Bond, \$1325. Sureties, T. H. Figel and T. B. Hubbard. Limit, 80 days. Forfeit, none. Plans and specifications filed.

FRAME BUNGALOW

GLENWOOD STATION, Los Gatos. All work for frame bungalow.

Owner.....Mary R. Skiff, S. F.

Architect...W. C. Hays, 1st National Bank Bldg., S. F.

Contractor...A. M. Jensen, Los Gatos.

Filed Dec. 31, '14. Dated Dec. 5, '14.

Frame up1/4

When plastered1/4

When completed1/4

Usual 35 days.....1/4

TOTAL COST, \$5300

Bond, \$2675. Sureties, G. T. Shauer and J. Fabiansen. Limit, 90 days. Forfeit, none. Plans and specifications filed.

BUILDING CONTRACTS

SAN MATEO COUNTY.

ALTER RESIDENCE

PORTION OF LOT 15 Villa Lots of Fair Oaks, Atehrton. Plumbing, gas fitting and sewer for alterations to residence.

Owner.....Chas. Brandenstein, Menlo Park, Cal.

Architect...Albert Farr, 68 Post, S. F.

Contractor...W. C. Palamountain, Palo Alto, Cal.

Filed Jan. 6, '15. Dated Jan. 5, '14.

Roughing work completed...\$300.00

\$5 per day. Plans and specifications filed.

COMPLETION NOTICES

SANTA CLARA COUNTY.

RECORDED ACCEPTED

Dec. 24, 1914—PEARL AVE, between Hillsdale and Downer Ave, San Jose. F M Rawlings to whom it may concern.....Dec. 14, 1914

Dec. 28, 1914—SETTLE AVE nr Willow St., San Jose. E A Stock to W Reinbold.....Dec. 24, 1914

Dec. 30, 1914—LOTS 3 AND 4 BLK 1, S R L, E, Santa Clara Co. V A Scheller to J C Thorpe...Dec. 23, 1914

Dec. 30, 1914—COR. LOS GATOS AND Saratoga Roads, Town of Saratoga S P Patterson to J Rodoni.....Dec. 28, 1914

Dec. 30, 1914—EMERSON ST. near University Ave, Palo Alto. Jas Frazer to C A Brady...Dec. 24, 1914

Dec. 30, 1914—LOT 31 BLK 10, Hanchett Park, San Jose. M W Williams to P E Peterson...Dec. 6, 1914

LIENS FILED.

SANTA CLARA COUNTY.

RECORDED AMOUNT

Dec. 23, 1914—THE N 1.55 ACRES of Lot 30, Wright's Add'n of the Town of Mountain View. Dudfield Lumber Co vs Mrs E Parker...\$190.40

COMPLETION NOTICES.

SAN MATEO COUNTY.

RECORDED ACCEPTED

Jan. 4, 1915—SOUTH SAN FRANCISCO. W P Fuller & Co to H L Petersen.....Dec. 28, 1914

Jan. 6, 1915—LOT 169, San Mateo Park. Lillian M Coffin to W B Eaton.....Dec. 31, 1914

Jan. 6, 1915—ADALINE DRIVE, Easton. C Frederick Kohl to John MacBain.....Dec. 30, 1914

MARIN, CONTRA COSTA AND SONOMA COUNTIES.

SEWERS—Cost not stated. Richmond, Contra Costa Co., Cal. Engineer, City Engineer Chapman, Richmond. Owners, City of Richmond. City Engineer Chapman has been instructed by the City Council to prepare plans and specifications for sewers in Main, Soito and other streets in the Burg tract. On completion of the plans and their approval by the Council bids will be called for on the work.

CHANNEL DREDGING — \$16,000. Richmond, Contra Costa Co., Cal. Engineer, City Engineer Chapman, Richmond. Owners, City of Richmond. Plans and specifications presented the City Council for the dredging of the south channel of San Pablo canal have been approved, and the City Clerk has been directed to advertise for bids on the work. The channel will be eighty feet in width and will have six feet of water at low tide. The channel will be dredged for over one mile, or a distance of 5,600 feet. The work will cost in the neighborhood of \$15,600 or \$16,000. Bids close January 18th.

...—\$365,000. Solano, Solano Co., Cal. Engineer's name not given. Owners, Solano Irrigated Farms Co., Colbrook Bldg., S. F. Announcement of application by the United Railroads to the State Railroad Commission for permission to undertake the rehabilitation of the defunct Solano Irrigated Farms has been made public by Jessie Lillenthal, president of the company. The application has been in the hands of the Commission for a month, but publication of the fact that it had been received was withheld at the request of President Lillenthal. To put the Solano project on its feet would require \$365,000 Lillenthal informed the Commission, and the immediate application of \$65,000 is necessary to save the entire investment from going by the board.

ELECTROLIERS—Ornamental metal. Cost not stated. Napa, Napa Co., Cal. Engineer, none. Owners, Town of Napa. The placing of electroliers on the new First street bridge is now being discussed by the City Council, and from present indications the work will be ordered shortly.

RAILROAD CONSTRUCTION—\$86,000. Vallejo, Solano Co., Cal. Engineer's name not given. Owners, Vallejo-Benicia Railroad Co. The Chamber of Commerce has endorsed the construction of the Vallejo-Benicia railroad. Details concerning the cost of the proposed road have been filed with the Chamber by the promoters. They are as follows:

Grading	\$12,000
Poles, etc.....	15,000
Rails, etc.....	28,000
Track laying and surfacing....	3,000
Pikes	500
Overhead and bonding	6,000
Overhead and bonding	6,000
Two cars	7,000
City construction	10,000
Engineering	5,000

Total

HOTEL—3 story and base, brick. Cost not stated. Architect, Joseph E. Gorn, Richmond. Owner, J. A. Raffetto. The building will contain a total of 56 guest rooms, office, lobby and dining room. Interior will be finished in pine and redwood. There will be steam heat and a hot water system. A number of private baths will be provided. Bath rooms will have tile wainscot and composition floors. Private baths will be equipped with showers. Exterior of the building will be faced with pressed brick. All other brick will be taken from a building now occupying the site. Plans are being prepared.

ASSOCIATION BUILDING—2 story, frame, \$37,500. Crockett, Contra Costa Co., Cal. Architect, W. H. Crim, Jr., 25 Kearny street, S. F. Owners, Young Men's Christian Association. The building will cover an area of 140 by 116 feet. The main floor will be arranged for a large auditorium, gymnasium, reading rooms, office and boys' department. The second floor will contain a dormitory for the members. Interior finish will be of pine throughout. There will be steam heat and a hot water supply. A large swimming tank will be installed. Exterior of the building will be covered with ship-lap. Plans are being prepared.

WHARF—Timber and pile. Cost not

... Engineers, Haviland & Tibbitts, Alaska Commercial Bldg., S. F. Owners, City of Richmond. All bids for the construction of the Richmond wharf have been rejected. Plans will probably be revised, changing the construction from reinforced concrete to creosoted piles and timber. The lowest bid received for this work on original plans came from Healy-Tibbitts Construction Co. for \$257,710.

LODGE HALL—2 story, frame and plaster, \$12,000. St. Helena, Sonoma Co., Cal. Architect, W. H. Corlett, Napa. Owners, St. Helena Parlor Native Sons. The building will be erected on Spring street. The main floor will be arranged for a large banquet room, kitchen and ticket office. The upper floor will contain a hall 32 by 52 feet, ante rooms, ladies' parlor and club room. Interior will be finished in pine throughout. Exterior of the building will be covered with cement plaster on metal lath. Plans are complete and figures are being taken.

Contracts Awarded.

STREET PAVING—Cost not stated. Vallejo, Solano Co., Cal. Engineer, City Engineer, Vallejo. Owners, City of Vallejo. Contractors, City Street Improvement Co., S. F. Contract price, 30 cents per square foot.

STREET PAVING—Asphalt. Cost not stated. San Rafael, Marin Co., Cal. Engineer, City Engineer, San Rafael. Owners, City of San Rafael. Contractors, Clark & Henery, Stockton. Contract price not stated.

BUILDING CONTRACTS

MARIN COUNTY.

ALTERATIONS
LARKSPUR. All work for alterations and additions to frame residence. Owner.....Joseph Harris. Architect...S. Schnaittacher, 233 Post, San Francisco. Contractor...J. E. Schulz and R. A. Wilson.

Filed Jan. 4, '15. Dated Dec. 29, '14.
New footings

Bond, \$900. Sureties, R. C. Doherty and C. A. Bennett. Limit, 40 working days. Forfeit, none. Plans and specifications filed.

FRAME RESIDENCE
LARKSPUR, Marin County. All work for frame residence.

Owner.....Geo. H. Eckert, 718 Mission, San Francisco. Architect...Norman R. Coulter, 46 Kearny, San Francisco.

Contractor...E. E. Etherton, 2455 20th Ave., San Francisco.

Filed Jan. 4, '15. Dated Dec. 31, '14.
On 1st and 15th of each month 75% 30 days after, balance.....

Bond, \$2500. Surety, United States Fidelity & Guaranty Co. Limit, 80 working days. Forfeit, none. Plans and specifications filed.

BUILDING CONTRACTS

CONTRA COSTA COUNTY.

DOUBLE FLATS
TWENTY-SECOND ST., bet Macdonald Ave and Nevin Ave, being Lot 15

work for two-story double flats. Owner.....H. Goodfellow, Richmond. Architect...None. Contractor...C. D. Knolty, Richmond Filed Dec. 24, '14. Dated Dec. 14, '14
Frame up, ready for rustic....\$750
Plaster on, ready for inside finish

COMPLETION NOTICES

MARIN COUNTY.

RECORDED **ACCEPTED**
Dec. 29, 1914—**SAN RAFAEL.** B R Philpott to L L Jessup and B Kessler.....Dec. 24, 1914
Jan. 8, 1915—**SAN RAFAEL.** Emma M Gordon to Hughson & DonnellyJan. 7, 1915

LIENS FILED

MARIN COUNTY.

RECORDED **AMOUNT**
Dec. 31, 1914—**SAUSALITO,** Marin Co. Louis Lambretti vs Annie L Pearl\$525
Jan. 6, 1915—**SAUSALITO,** Marin Co. Louis Lambretti vs Christian Wind\$225

COMPLETION NOTICES

CONTRA COSTA COUNTY.

RECORDED **ACCEPTED**
Dec. 28, 1914—**LOT 14 BLK "H"** as in Map of Nicholl Sbdyn in Town of Richmond. Hoyt & Greene to C D KnoltyDec. 22, 1914
Dec. 29, 1914—**ON PPTY MT. DIABLO** Union High School, Concord. Mt. Diablo Union High School District to C Randolph Hook....Dec. 24, 1914
Dec. 29, 1914—**LOT 3 BLK 9 Amended** Map of Richmond. F M and Myrtle B Smith to Abbott & Chinnoek....Dec. 28, 1914
Dec. 31, 1914—**LOT 19 BLK '39,** City of Richmond Tract. Charles J Cray and George C Browne to Carl Overea.....Dec. 31, 1914

LIENS FILED.

CONTRA COSTA COUNTY.

RECORDED **AMOUNT**
Dec. 28, 1914—**DIV 2 of 1000' ACRE** Tract in Rancho San Miguel and extending to property of Carmel De Soto. J G Costa vs Edward Schary and J J Kletz.....\$200
Dec. 28, 1914—**PTN OF DIVISION E** of El Pinole Rancho in center of Martinez and Alhambra Public Road where div. coarse between lands of Dr. John Strenzel and John Muir in what was formerly Rodgers Ranch th 36 deg E 1.83 ch along road to station in road, th 20 1/4 deg E 1.31 ch along station road th N 9 1/2 N 2.15 ch along road, etc., containing 12 acres being formerly known as Walford Ranch in Alhambra Valley in Martinez. J F Hoadley vs Emma Grothman.\$590.16

FRESNO, MODESTO STANISLAUS AND CENTRAL CALIFORNIA.

STREET PAVING—Asphalt and concrete. Cost not stated. Porterville, Tulare Co., Cal. Engineer, City Engineer, Porterville. Owners, City of Porterville. Members of the Board of Trustees at their last meeting voted unanimously for the improvement of 33 blocks of the residence streets with asphalt concrete paving, resolutions ordering the work done having been passed. The streets to be improved include the following: Main street from Olive to Morton street; Hockett street from Oak street to Morton street, D street from Mill street to Morton street, Second street from Oak street to Cleveland street, Oak street from Division street to Hockett street, Oak street from Main street to Grevilla street, Cleveland street from Second street to the Southern Pacific reservation, Lafayette street from Hockett street to E street, Putnam avenue from Division street to Hockett street, Division street from Thurman street to Mill street, Black's Alley from Main street to Hockett street, Alley between Main street and Second street, between Cleveland street and Putnam avenue, between Mill street and Garden street, and from Olive street two blocks north.

SCHOOL—1 story and base. Class C construction. Cost not stated. Fresno, Fresno Co., Cal. Architect, Eugene Mathewson, Forsythe Bldg., Fresno. Supervising Architect, W. D. Coates, Rowell Bldg., Fresno and Addison-Head Bldg., S. F. Owners, City of Fresno. The building will be erected in the Englewood Addition and will contain 12 class rooms and a large auditorium. Interior will be finished in pine with maple floors. Construction will be of the slow burning type with reinforced concrete floors and corridors. There will be a central heating system, oil burning equipment, program clocks and modern ventilation. Exterior will be faced with cement plaster. Plans are complete and figures are being taken. Bids will be opened on February 5th. Plans and specifications can be secured from the Supervising Architect.

SEWER CONSTRUCTION—Cost not stated. Bakersfield, Kern Co., Cal. Engineer, City Engineer, Bakersfield. Owners, City of Bakersfield. Plans for approximately 4,800 feet of six-inch vitrified pipe sewer to be constructed in Sewer District No. 23 have been completed and approved. Bids will be opened on January 20th. Plans and specifications can be secured from the City Engineer.

SEWER CONSTRUCTION—Cost not stated. Bakersfield, Kern Co., Cal. Engineer, City Engineer, Bakersfield. Owners, City of Bakersfield. Plans and specifications for constructing approximately 7,929 feet of six inch vitrified sewer in Sewer District No. 22 have been completed and approved. Bids are now being taken and will be opened on January 20th. Plans and specifications can be secured from the City Engineer.

Contracts Awarded.

DRAINAGE DITCHES—\$12,164. Modesto, Stanislaus Co., Cal. Engineer, Modesto Irrigation District. Owners, Modesto Irrigation District. Contract-

tor, E. K. Emney, Modesto. Contract price, \$12,164.

CONDUIT AND CABLE—\$1,300. Tulare, Tulare Co., Cal. Engineer, City Engineer, Tulare. Owners, City of Tulare. Contractor, D. S. McEwan Electric Co., Ocean Park. Contract price, \$1,300.

BUILDING CONTRACTS

FRESNO COUNTY.

BRICK SCHOOL

LOT 29 HALZELWOOD TRACT, Fresno

All work for two-story brick school. Owner.....City of Fresno School District.

Architect...Schwartz, Hotchkin & Schwartz, Rowell Bldg., Fresno.

Contractor...D. A. Evans, 1036 J St., Fresno.

Filed Jan. 4, '15. Dated Dec. 18, '14.

Brick work up to 1st floor...	\$ 4,000
Brick work up to 2nd floor...	8,000
Stairs completed	8,000
Brick work up to 2nd story ceiling	6,000
Roof sheathed	6,000
When lathed	6,000
Roof on	4,000
When floored	8,000
Ready for paint.....	3,500
Completed	4,659
Usual 35 days.....	21,840
TOTAL COST,	\$79,999

Bone, none. Limit, 227 calendar days. Forfeit, \$20 per day. Plans and specifications filed.

SACRAMENTO, STOCKTON AND NORTHERN CALIFORNIA.

HIGHWAY CONSTRUCTION—Cost not stated. Chico to Nelson, Butte Co., Cal. Engineer, State Highway Commission, Forum Bldg., Sacramento. Owners, State of California. Plans and specifications have been completed and approved for constructing that portion of the State Highway between Chico and Nelson in Butte County. Bids are now being taken and will be opened by the Commission on February 1st. Plans and specifications can be secured either from the State Highway Commission at Sacramento or from the District Engineers in San Francisco or Los Angeles. An official proposal appears in another column of this issue.

LODGE HALL AND STORES—3 or 4 story and base. Class C construction. Cost not stated. Stockton, San Joaquin Co., Cal. Owners, Stockton Moose Hall Association. The building will be erected on San Joaquin street south of Main, having a frontage of 50 feet and a depth of 150 feet. The ground floor will be arranged for stores while the upper floors will contain the club rooms and a number of offices. If a four-story structure is erected one floor maybe given over to living apartments. Only preliminary plans have been prepared and details cannot be given. Further mention will be made of the work.

SCHOOL—1 story and base, concrete and frame, \$45,000. Roseville, Placer Co., Cal. Architect, W. H. Weeks, 75 Post street, S. F. Owners, Roseville School District. The building has been designed in the Mission style and will contain twelve class rooms and an assembly hall seating 400 people. Interior finish will be of pine

with maple floors in the class rooms. There will be a central heating system, modern school plumbing and program clocks. Exterior of the building will be covered with cement plaster. Plans are complete and figures are being taken. Bids will be opened on January 14th. Plans and specifications can be secured from the architect.

RESIDENCE—1 story and base, frame, \$3,000. Sacramento, Cal. Architect, none. Owner, C. I. Chinson, 321 7th street, Sacramento. The dwelling has been designed to contain seven rooms and bath and will be erected on 28th street. Interior will be finished in pine and redwood. Hardwood floors will be used in the living room, dining room and reception hall. There will be furnace heat and open fire places. Mantels will be of tile. Tile wainscot will be used in the bath room. An automatic water heater will be installed. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor.

STREET WORK—Cost not stated. Sacramento, Cal. Engineer, City Engineer, Sacramento. Owners, City of Sacramento. Plans for the improvement of E street by installing concrete curbs, cast iron manholes and covers have been completed and figures are being taken. Plans have also been approved for constructing an asphalt pavement on D street for which bids are also being taken. Bids will be opened for both jobs on January 20th. Plans and specifications can be secured from the City Engineer.

STORE ALTERATION—Frame construction, \$3,000. Sacramento, Cal. Architect, none. Owner, J. Wright, 1016 5th street, Sacramento. This work will consist of the installation of new store fronts and metal bars. Some new interior finish will also be installed. Plans are complete and in the hands of the owner who will do the work by Day Labor. Materials are now being purchased.

BUILDING CONTRACTS

SACRAMENTO COUNTY.

ALTERATIONS

NO. 1016 FIFTH ST., N 1/4 Lot 5, J, K, 4th and 5th Sts., Sacramento. Remodel store front and make pool room.

Owner.....J. Wright, Premises.
Architect...None.

Day's work. COST, \$3000

DWELLING

NO. 2226 F ST., on E 8 ft. of W 1/2 of N 1/2 of W 21 feet of E 1/2 of N 1/2 Lot 3 Blk F, G, 22nd and 23rd Sts., Sacramento. Two-story dwelling.

Owner.....Fred W. Dorseth, 610 13th St., Sacramento.

Architect...None.

Contractor...G. B. Stahl, Colonial Heights, Sacramento.

COST, \$2000

DWELLING

NO. 2313 FOURTH on S 1/2 of Lot W, X, 4th and 5th Sts., Sacramento. One-story four-room dwelling.

Owner.....Emily Valine, 2417 15th St., Sacramento.

Architect...None.

Contractor...C. Valine.

COST, \$1200

E. H. WilliamsChalmer Munday

Munday & Williams

Attorneys-at-Law

Special Attention Given to Building
Law and Bankruptcy Cases

Telephone Sutter 4622

615 Phelan Building, San Francisco

E ½ LOT 5, K, L, 10TH AND 11TH
Sts., Sacramento. Make repairs in
residence.
Owner.....Mrs. Jennie Joy, 1029 L St.,
Sacramento.
Architect...None.
Contractor...Milo Smith, 1904 I St.,
Sacramento.
COST, \$1200

NO. 317 TWENTY-SEVENTH, on N ¼
Lot 8, C, D, 27th and 28th Sts., Sacra-
mento. Five-room dwelling.
Owner.....C. I. Chimson, 321 7th St.,
Sacramento.
Architect...None.
Day's work. COST, \$2800

GARAGE
NO. 621 TWENTY-EIGHTH S ½ of N
½ Lot 8, F, G, 28th and 29th Sts.,
Sacramento. One-story garage.
Owner.....Miss R. Ross, Premises.
Architect...None.
Contractor...M. Jackson, 813 L St.,
Sacramento.
COST, \$300

BRICK LAUNDRY
N ½ LOT 5, X, L, 8TH AND 9TH STS.,
Sacramento. One-story brick laundry
Owner.....People's Wet Wash, 2416
9th St., Sacramento.
Architect...None.
Contractor...C. L. White, 2414 9th St.,
Sacramento.
COST, \$200

REMODEL STORE FRONT
NO. 1002 K ST., on Lot 1, K, L, 10th
and 11th Sts., Sacramento. Remodel
store front.
Owner.....Sacramento Hotel, 1004 K
St., Sacramento.
Architect...None.
Contractor...Ed. Harvie, 2212 T St.,
Sacramento.
COST, \$400

REPAIRS
S ¼ OF LOT 4 BLK G, H, 29TH & 30TH
Sts., Sacramento. Remodel and re-
pair dwelling.
Owner.....Mrs. E. J. Decamysos, 714
30th St., Sacramento.
Architect...None.
Contractor...J. C. Schreckengost, 2221
6th St., Sacramento.
COST, \$700

COMPLETION NOTICES
SAN JOAQUIN COUNTY.

RECORDED ACCEPTED
Jan. 4, 1915—NW MAIN & SUTTER
Stockton. Commercial & Savings
Bank to N Clark & Sons..Dec. 30, '14



Reg. U. S. Pat. Office
The Panels that are
as good as they are
famous.

Good Jobs require the
best made panels.

When ever you require a real good
panel for some particular paneling job,
do not fail to investigate the many
qualities of WYBRO PANELS.

There are not better panels on the
market, and none that hold such a
record for unsurpassed excellence and
popularity. Ask for our list of these
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White Brothers

5th and Brannan Streets San Francisco

Jan. 6, 1915—NO. 18 N-SAN JOAQUIN
St., Stockton. First National Bank
of Stockton to G P Roberts and
W X Clark.....Dec. 28, 1914
Jan. 6, 1915—NO. 18 N-SAN JOAQUIN
St., Stockton. First National Bank
of Stockton to A Knowles.....
.....July 27, 1914
Jan. 6, 1915—NO. 18 N-SAN JOAQUIN
St., Stockton. First National Bank
of Stockton to The Mission Marble
Works.....Nov. 20, 1914
Jan. 6, 1915—NO. 18 N-SAN JOAQUIN
St., Stockton. First National Bank
of Stockton to California Artistic
Metal & Wire Co.....Dec. 17, 1914

LIENS FILED	
SACRAMENTO COUNTY.	
RECORDED	AMOUNT
Jan. 2, 1915—E ½ OF SW ¼ of Sec. 31 T 10 R 7, Sacramento. H A Woodward vs Dave Reniff and wife	\$68
Jan. 5, 1915—E ½ LOT 6, T, 18th and 19th Sts., Sacramento. George W Martin & Son vs Nellie Scanlon	\$1350
Jan. 6, 1915—LOT 284, Wright & Kimbrough Tract No. 14, Sacra- mento. H F Koster vs Maria C Wohlander	\$22.95

LOS ANGELES AND SOUTHERN
CALIFORNIA.

CHURCH—1 story and base, frame
and brick. Cost not stated. Oxnard,
Ventura Co., Cal. Architects, L B. and
A. L. Valk, Stimson Bldg., L. A. Own-
ers, Methodist Episcopal Church of
Oxnard. Plans for this building have
been revised and new figures will be
called for at once. The building will
contain a large main auditorium, Sun-
day school auditorium and sixteen class
rooms. Interior will be finished in
pine and ornamental plaster. Plans
provide for steam heat and a modern
system of ventilating. Art glass win-
dows are specified. Exterior of the
building will be covered with veneer
blue pressed brick. New bids will be
called for at once.

SCHOOL—2 story and base, brick,
\$75,000. Colton, San Bernardino Co.,
Cal. Architects, Allison & Allison, Hi-
bernian Bldg., L. A. Owners, Colton
School District. The building has been
designed to contain sixteen class
rooms, assembly hall, manual training
and domestic science departments. In-
terior will be finished in pine through-
out. There will be a central heating
system and modern school plumbing.

Exterior of the building will be faced
with sand lime brick. A clay tile roof
will be used. Plans are complete and
bids will be called for at once.

SCHOOL—1 story and base, brick,
\$45,000. Hawthorne, Los Angeles Co.,
Cal. Architect, W. C. Pennell, Baker-
Detwiler Bldg., L. A. Owners, Haw-
thorne School District. The building
has been designed to contain eight
class rooms, a large auditorium and
teachers' rooms. The basement will
not be finished. Interior will be fin-
ished in pine with maple floors in the
class rooms. Plans provide for steam
heat and ventilation and modern school
plumbing. Exterior will be faced with
pressed brick. Plans are being pre-
pared.

POST BUILDINGS—1 and 2 story,
frame and concrete. Cost not stated.
Government. Fort Huachuca, Ariz.
Engineer, Constructing Quartermaster
Fort Huachuca. Owner, United States
Government. The Winget Construc-
tion Company, 413 Grant Bldg., L. A.,
was low bidder for the entire work for
the erection of a group of Government
buildings at Fort Huachuca, Ariz., lo-
cated on the El Paso and Southwest-
ern Railway near the Mexican border.
An extremely low bid submitted by
Contractor Sparks of Douglas was re-
jected. The work embraces the follow-
ing structures: Five two-story frame
and plaster captains' quarters, total
cost about \$60,000; two-story frame
and plaster bachelors' quarters, apart-
mented, cost about \$20,000; five frame
and plaster barracks buildings, about
120x50 each, total cost about \$82,000;
one frame and plaster laboratory
building, cost about \$5,000; seven frame
cavalry stables with rustic exteriors,
cost about \$30,000; corrugated iron hay
shed, cost about \$5,000; steel jail and
guard house, cost about \$5,500; remodel-
ing quartermaster's barracks, cost
about \$16,000; remodeling laboratory,
cost about \$6,000, and remodeling an-
other small building, cost about \$4,000.
All the frame buildings will have com-
position roofs and pine floors and trim.
Contractors Barnes of Leavenworth,
Kans.; and Mayfield & Shaw of El Paso,
also submitted low bids on the alter-
nates. The bids are now being con-
sidered and contracts will probably not
be awarded for at least ten days.

Contracts Awarded.
RESIDENCE — 2 story, attic and
base, hollow tile, \$36,375. Coronado
Beach, San Diego Co., Cal. Architect,
Elmer Grey, Wright and Callender
Bldg., L. A. Owner, Gale Thompson,
Chicago. Contractors, Frank Graves &
Son, Stimson Bldg., L. A. Contract
price, \$36,375.

SCHOOL—1 story and base, hollow tile construction. Cost not stated. Holtville, Imperial Co., Cal. Architects, Allison & Allison, Hibernian Bldg., L. A. Owners, Holtville School District. Contractors, Nance & Phelps, 9th and Central streets, L. A., general construction. Contract price not stated. Gentier & Gear, Holtville, plumbing, \$2,907. Note: Contract for the heating and ventilating has not been awarded.

PORTLAND AND OREGON

BRIDGES—Reinforced concrete and steel. Cost not stated. Portland, Ore. Engineer, Oregon Highway Commission, Portland. Owners, State of Oregon. Plans for four reinforced concrete bridges to be erected on the Columbia Highway are now completed and bids will be taken for three of them. These bridges are to span Pierce, Moffett and Tanner creeks in the eastern end of the county. Pierce creek is to have a girder bridge 65 feet in height, with nine spans 40 feet long, a total of 360 feet. The bridge at Moffett creek will be 75 feet above the water and will be a single arch of reinforced concrete. The bridge at Tanner creek, near the state fish hatchery will be a 60-foot, reinforced concrete girder. The bridge at Eagle creek will be a span of 60 feet. A fourth structure will be built by Day Labor.

RESIDENCE—2 story, attic and base, brick and frame, \$25,000. Portland, Ore. Architect, W. B. Bell, Sherlock Bldg., Portland. Owner, A. C. Ruby. The dwelling has been designed for a high class country home and will be erected on the Base Line road about ten miles out of the city of Portland. The dwelling will contain fourteen rooms, three baths, three sleeping porches and servants' quarters. A garage will also be erected on the property. Interior of the house will be finished in hardwoods and white enamel. Hardwood floors will be used throughout. There will be steam heat, a vacuum cleaning system, ice plant and hot water supply. Bath rooms will be finished in tile and equipped with showers. There will be open fire places and tile mantels. Exterior of the house will be faced with pressed brick. Plans are nearly complete and figures will be called for shortly.

SEATTLE AND WASHINGTON

FRUIT STORAGE WAREHOUSE—7 story and base, reinforced concrete, \$150,000. Seattle, Wash. Engineer, J. R. West, Port of Seattle Commission, Seattle. Owners, City of Seattle. This building will be erected at the corner of Spokane and Whatcom streets, covering an area of 147 by 195 feet. The structure will be fireproof throughout with reinforced concrete walls, floors and roof. Hollow tile interior partitions are specified. Special machinery and equipment will be installed, but are not included in the general contract. Exterior of the building will be faced with cement plaster. Plans have been out for figures before, but all bids ran too high and plans were called in for revision. This work has been completed and new figures are now being taken. Plans and specifications together with complete details can be secured from the Port of Seattle Commission.

NAMUR STADIUM.

A fine specimen of concrete construction is the new stadium at Namur, in Belgium, which was laid out on the summit of the citadel, where it enjoyed a wide view. The grounds laid out for the games are about 1,000 feet long and 500 feet wide, and the stadium lies at one end of the grounds and consist of a series of reinforced concrete steps for seats, of 360 feet length. In the rear is a loggia construction with columns, which have tribunes on one side, while the other side serves for the scene of an open air theatre. In the middle of the loggia is the royal box. A good part of the structure is built on the Hennebique reinforced concrete system, and other parts in concrete or in stone.—Popular Mechanics.

PLANS FOR HOSPITAL ADDITION ORDERED.

The Board of Works has directed the Bureau of Architecture to prepare plans for the construction of the additional southeast wing for the San Francisco Hospital building. This addition will cost in the neighborhood of \$1,000,000 and will be of fireproof construction.

CONTRACT AWARDED FOR EXHIBIT

The Fink & Schindler Co. has been awarded the contract for the erection of the exhibit for the New Zealand Government in the Palace of Agriculture.

BOSTON STRIVING TO MAKE TENEMENTS SAFER.

Boston has held hearings for several months, having for their purpose amending the building laws, seeking mainly the safety of life in apartment and tenement houses, so that Boston may take a place on a par with other cities of the same size and industrial importance.

Data obtained at these hearings shows a remarkable growth in apartment house and apartment hotel living, and a great deal of it attempted to show that the present Massachusetts State housing law for towns, which requires fireproof construction for all habitations over two and a half stories in height, was a check on apartment house building by over-harsh restrictions.

G. G. Wheat, analyzing this phase of the testimony adduced, says the apartment house is here to stay. It is blameworthy because of its defects in safety to life and the careless construction, obeying only the one law of "build so it will show a good rental profit, a ready sale, and a new enterprise of the same kind for the operator and his backer." By right these should be the first individuals to see the wisdom of protecting their business by safeguarding the buildings so they will deserve the approval of the public.

A careful examination of the building codes of other cities shows that the amendments proposed are now in the codes of all other leading cities, and that there is nothing revolutionary in the pending changes proposed, but that all amendments are sensible and in the right direction to place Boston in the better class of builders. What we now call second class is not

ranked as second class in any other city. There are usually several grades of entirely non-combustible, then mill construction with exposed steel framework, the next with exposed heavy wooden timbers, and finally comes along, about fifth class, the ordinary or joisted brick construction. This class again is subdivided according to the degrees of safety in stairway and hallway and wall and floor firestops and size of areas between fire walls and total height allowed. At present Boston heads the entire list in the extreme size of 5,000 square feet area and five-story height allowed, and the specifications for safety are among the most lax of all cities and are decidedly more lax than other cities the size of Boston.

Other changes sought briefly comprise these:

Main stairways and main halls call for safe non-combustible stairways and halls in four and five-story apartments. (At present wooden construction, with feeble attempts at fireproofing are allowed.)

All apartment house halls to be lighted at night.

Fireproof stairs and fireproof self-closing doors from the first story to the basement (so that Boston may compare favorably with other cities).

For better fire escapes, an entirely fireproof stairway within a fireproof tower or wall, which can be entered only by a door through an external wall from balconies. (The claim is made that this is the safest fire escape yet designed.)

The proposed law does not require fire escapes on buildings three stories or less in height. (In this respect the proposed amendment is far behind all other cities, as these require fire escapes on all apartment houses, but in addition thereto require a standpipe or water tanks in a fireproof penthouse on the roofs of apartment houses).

A provision for incombustible supports below all first floors. (Combustible supports under first floors are not permitted in large or even smaller cities).

Provision for outside windows to kitchenettes and minimum sized flues for the escape of kitchen gases and grease smoke. (Troublesome fires the result of grease taking fire where such vent flues are not attached).

Self-guarding boiler rooms where ten pounds or more pressure is carried. (Only two or three cities in the country overlook this important question).

Roofs of incombustible material.

Elevator, light and ventilation shafts to be of incombustible material.

The new amendments proposed set a limit of height and area of an apartment house so that 3,000 or possibly 3,500 square feet and four stories become the limit of ordinary construction. (Even with that limit it is far less than other cities require of the class in which Boston is included).

All the newspapers of Boston and its metropolitan district make a strong plea for the adoption of adequate fire protection amendments to its laws and statutes, so that Boston will in the future class with the best and foremost cities in this country in the matter of tenement and apartment house protection against fires and the loss of lives and property.—Bricklayer, Mason and Plasterer.

VALUABLE OIL IS PRODUCED FROM GRAPE SEEDS.

Through experiments which have been conducted at an Argentine refinery, an oil, which is especially valuable for the manufacture of soaps, has been produced from grape seeds. The discoverer of the process is at the present time carrying out further tests in Mendoza at the request of the local government. In case it is found that the oil can be produced on a commercial scale at a cost not prohibitive, it is believed that it will have an important effect on the wine industry. In the past grape seeds have been a loss. —Popular Mechanic.

CONTRACT AWARDED FOR EXHIBIT BOOTH.

The Fink & Schindler Co. has been awarded the contract for the erection of the exhibit booth for the Randall Elevator Door Control Company of this City. This booth is located in the Machinery Hall.

CONTRACT AWARDED FOR EXHIBIT BOOTH.

The Fink & Schindler Company has been awarded the contract for the erection of the exhibit booth for the Berkeley Electric Cooker Company of Berkeley, Cal. This booth is to be located in the Palace of Manufacturers and was designed by Mr. George Schastey, Architect.

UNITED STATES CIVIL SERVICE EXAMINATION

February 3, 4, 1915.

The United States Civil Service Commission announces an open competitive examination for the following positions on February 3 and 4, 1915:

Structural Steel Draftsman, Civil Engineer Student, Copyist Electrical Draftsman, Copyist Ordnance Draftsman and Ordnance Draftsman.

Persons who meet the requirements and desire this examination should at once apply for Form 1312, stating the title of the examination for which the form is desired, to the United States Civil Service Commission, Washington, D. C., or to the secretary of the United States Civil Service Board, San Francisco.

GRAPHITE DEPOSIT IN BRITISH HONDURAS.

[Commercial Agent Garrard Harris, Belize.]

At Manatee, 18 miles south of Belize, and in the foothills of the Cockscomb Range of mountains, there has been discovered an extensive deposit of graphite upon a 12,000-acre tract of land, the property of a citizen of Belize. Surface prospects indicate that the bed is a large one. There is also considerable heavy ore, which is as yet unanalyzed, but which has been pronounced to be lead ore. It is said to exist in workable quantities.

The owner of the land desires to hear from American capital and operators interested, with a view to development. The opening up of the mine, which is easily accessible from the coast, would give a market for mining machinery, engines, and boilers, tramway equip-

ment, building material, and possibly lead-reduction machinery.

[Samples of this graphite may be obtained from the Bureau of Foreign and Domestic Commerce.]

IMPROVEMENTS FOR CALIFORNIA.

WASHINGTON, Jan. — Important aids to navigation along the California coast were proposed in a bill introduced by Senator Perkins. The measure appropriates \$80,000 for a light and fog signal station near Point Vicente; \$103,000 for another light and fog signal station near Anacapa Island, and \$63,000 for improvements at Goat Island, near San Francisco.

BIG PUMP COMPLETED.

MERIDIAN (Sutter Co.)—The largest centrifugal pump ever built in this part of California has been completed in the shops of a local foundry for District No. 7.

It will be employed in the drainage system which is being completed by the Trustees of this district.

The pump is of the 40-inch gauge, with a capacity of 50,000 gallons of water a minute.

UNITED STATES CIVIL SERVICE EXAMINATION.

COPYIST MARINE ENGINE AND BOILER DRAFTSMAN (MALE)

February 3, 1915.

The United States Civil Service Commission announces an open competitive examination for copyist marine engine and boiler draftsman, for men only, on February 3, 1915. From the register of eligibles resulting from this examination certification will be made to fill a vacancy in this position at \$2.80 per diem in the navy yard, Norfolk, Va., and vacancies in positions requiring similar qualifications as they may occur in any United States navy yard or naval establishment or in the Department at Washington, D. C., at entrance salaries ranging from \$2 to \$3.28 per diem, unless it is found to be in the interest of the service to fill any vacancy by reinstatement, transfer, or promotion.

In filling vacancies in navy yards and other naval establishments preference in certification will be given to eligibles residing in the vicinity of the place at which the vacancy occurs.

Competitors will be examined in the following subjects, which will have the relative weights indicated:

Subjects.	Weights.
1. Mathematics (covering arithmetic, algebra to quadratics, plane and solid geometry, elements of plane trigonometry, and use of logarithm tables or a slide rule)	25
2. Drawing and details of construction (covering engines, pumps, boilers, and the materials of which they are manufactured, and the making of drawing from sketches or descriptions) ..	45
3. Education, training, and experience	30
Total	100

Applicants must have had a good common or high school education, including instruction in elementary

mathematics and drawing.

Persons who meet the requirements and desire this examination should at once apply for Form 1312, stating the title of the examination for which the form is desired, to the United States Civil Service Commission, Washington, D. C., or to the secretary of the United States Civil Service Board at San Francisco, San Jose, Sacramento or Fresno.

MILLION DOLLAR BRIDGE STARTED.

Construction of the million-dollar steel bridge across upper Coos Bay, Oregon has been commenced under the direction of C. R. Broughton, bridge engineer of the Southern Pacific Company, the owners.

The bridge from abutment to abutment will be 11,616 feet long, consisting of thirteen Howe truss spans, each 380 feet long, and one large draw span across the 650-foot channel.

There will also be over a mile of steel viaduct as approaches at each end, resting upon heavy reinforced concrete foundations.

Over 40,000 cubic yards of sand and gravel for the substructure have been stored in the railroad company's yards at Marshfield and North Bend, and it is expected that this will be sufficient material to carry the work through until the bunkers can be opened in the spring. The first deliveries of steel and cement are now being made at the docks in North Bend. The American Bridge Company designed the large structure, and are furnishing all the steel required.

AN IRON COAT.

Plating iron with iron or steel with iron is a queer new scheme for delaying rusting. Chemically pure iron is nearly rustproof; so the plating idea is to cover iron or steel with iron that is as chemically pure as possible. Plating in much the same way that brass is plated with gold or nickel gives a coat that is very close to pure iron. A coat of zinc over the coat of iron also helps.

Rust is the bitterest and most persistent enemy of this age of steel, with its bridges and wires and skyscrapers and machines. The ancient Hindus had a secret method of making rustproof iron, and much iron is now manufactured for special uses at comparatively high cost which is reasonably free from impurities and so less likely to give way to rust, but the inventor of completely rustproof, cheap iron has a vast fortune awaiting him.

BUSINESS CONDITIONS IN AUSTRALIA.

[Press clippings forwarded by Consul General John P. Bray, Sydney, October 31.]

Public Works Trades Union Enterprise Building Inactive.

The South Australian Legislative Assembly has passed a bill authorizing the borrowing of \$19,466,000 from the Commonwealth Government for public works and other purposes.

The distinction of being the first trades union south of the equator to undertake a big building proposition is claimed by the Locomotive Engine Drivers' Firemen's and Cleaners' Asso-

ciation (Melbourne branch).

The slump in the building trade at Sydney has become particularly pronounced during the past three weeks, owing to the war. Building speculators are waiting before entering upon important works.

New Steel Works.

Five hundred men are to be put on at the construction of the Newcastle steel work. It is expected that steel will be produced within the next few months.

LARGEST ELECTRIC LAMP.

Recently the largest electric lamp in the world was lighted in the New York navy yard. On a clear night the beams of this giant searchlight will be visible more than 100 miles away. There is no other lamp like it in existence. For coast defense a 60-inch reflector is now in use. Such a reflector attached to the Beck searchlight gives 1,000,000,000 candle power as against 180,000,000 candle power now obtainable.

SACRAMENTO VALLEY IMPROVEMENTS.

[Commercial Agent W. B. Henderson, San Francisco, Cal.]

Few persons are aware that over nine-tenths of the asparagus produced in the United States comes from the San Joaquin and Sacramento Valleys. Nor is it generally known that nearly all the canned asparagus is put up by the 11 canning factories in the vicinity of the confluence of the rivers bearing the names of the two above-mentioned valleys. Only recently there has been expended \$800,000 in this vicinity to control the floods and rescue the industries from ruin, one-half the cost having been appropriated by the Federal Government. The floods of 1907 and 1909 caused great damage. The San Joaquin and Sacramento Rivers Improvement Association was organized and National and State appropriations were secured to control the flood waters of the Sacramento and thereby preserve the numerous islands that are the asparagus fields of the world. With the above-mentioned appropriations the improvements on the Government levees, which have been in construction on Dos Rios Island and on Bakers Point, Sherman Island, during the past 15 months, have been completed. These new levees mark the completion of the first essential part of the comprehensive plan providing an outlet for the flood water of the Sacramento River.

It is estimated that 300,000 acres have already been reclaimed from the devastating floods, and the Sacramento Valley Flood Control Project contemplates in the future, by means of canals, weirs, and channels, reclaiming 600,000 acres more in the rich Sacramento Valley. This will cost other millions and its work will be pushed when the appropriations become available.

REMOVAL NOTICE.

W. D. HENDERSON, Patentee of the Henderson Clamp System, has removed to larger quarters, Rooms 487-491 Monadnock Bldg., Telephone, same as before, Kearny 4537.

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CONTRACTORS AND BUILDERS.

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CABINET MAKERS.

Hunter, R. J., expert cabinet maker, 2156 Telegraph Ave.; dealer in mahogany, antique and all kinds of furniture; repairs and polishing; Telephone Oakland 3735	
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OAKLAND, ANTIOCH & EASTERN RAILWAY

Time Table.

Effective January 3, 1915.

LEAVE KEY ROUTE FERRY.

Leave	Daily except as noted.
7:20A	Sacramento, Woodland, Dixon, Pittsburg, Bay Point, Parlor Observation Car through to Chico, Oroville, Gridley, Colusa, Marysville.
8:00A	Concord, Walnut Creek, Diablo, Lafayette and Way.
9:00A	Sacramento and Pittsburg only. Carries Parlor Observation Car
11:00A	Sacramento, Dixon, Pittsburg, Bay Point.
11:20A	Sacramento, Dixon, Pittsburg, Bay Point and Way Stations.
1:00P	Sacramento, Dixon, Pittsburg, Bay Point.
3:00P	Sacramento, Dixon, Pittsburg, Bay Point.
4:00P	Concord, Diablo and Way Stations.
4:40P	Sacramento; Dixon Jct. and West Pittsburg only stops. Marysville, Colusa, Oroville and Chico. Observation Car.
5:15P	Pittsburg, Concord, Diablo and Way Stations, except Sundays and Holidays.
6:00P	Pittsburg and Way Stations.
8:00P	Sacramento, Dixon, Pittsburg and Way Stations.

Oakland, Antioch & Eastern Railway.

Key Route Ferry. Phone Sutter 2339.
Red Line Trans. Co., S. F. People's Express Co., Oakland.

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Schafer, Fred (House and Fresco Painter) 1453 Green. Phone Park 1197. Shop, 111 Franklin, San Francisco	
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PHOTOGRAPHER.

Scott, Walter A., 558 Market St., San Francisco	
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WALL PAPER & WINDOW SHADES,	
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Official Roster of Stockholders & Members General Contractors' Association.

Phone Sutter 3580

110 JESSIE ST.

President, Chas. Wright. Treasurer, Chas. W. Gompertz.
Vice-Pres., A. H. Bergstrom. Secretary, Wm. E. Hague.

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Ginley, Edward Lindgren, A. F.
Gompertz, Chas. W. McLeran, Ralph

Floor Manager
Geo. A. Maas

Bookkeeper

C. S. Dorrel.

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Clerk
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Glaze, Robert

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Nielsen, N. F.

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niene

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Aitken & Aitken
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MacMeans, H. V.
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ualty Co.

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Schweinhart, G. W.

Webster Co., Percy V.
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ney

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Beagle, S. A.
Buckley, Jos.
Collin, Jean
Drake, H. L.
Finnila, M. A.
Gilbertsen, L.
Hogberg & Lud-
wig

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ment Syndicate
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Builder
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Cal. Bldg. Material Co.
Cal. Pottery Co., Inc.

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Falls Mfg. Co.
Fuller & Co., W.P.

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Guerin & Co., J. S.

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Paraffine Paint Co.

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Ryan, George S. F. Lime Co.

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Woods & Hud-

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Alsen's Portland

Cement Co.
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son.
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Mission Concrete

& Mosaic Wks.
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Amsler Sheet

Metal Works
Appman Cornice Works.

Atlas Heating & Ventilating Co.

Capitol Sheet Metal Works
Conlin & Roberts.

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Cronan, Wm.

Elite Sheet Metal Works
Gulfof Cor. Wks.

Comyns & Nygren
Forderer Cornice Works

G. & M. Sheet Metal Works.
Hibernia Sheet Metal Works

Hughes, H. J.
Ideal Cornice Co.

Korell & Co., J. A.
Modern Sheet Metal Works

Morrison & Co.
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Bill & Jacobsen

Fess System Co.
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Bay Devel. Co.

Cal. Building Material Co.

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Standard Crushed Rock Co.

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son
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Co., R. H.
Malott & Peterson

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Inlaid Floor Co.
Pac. Floor Sand-
ing Co.

Galvanized Iron.

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ton
Berger Mfg. Co.
Gas Fixture.
Day Co., Thomas

Gas Heating Sys- tems.

Reactor System
Gas Heating Co

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Blaisdell Mch'y. Co.

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dow Glass Co.
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Fuller Co., W. P.
Grosslicht & Din-
niene
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Howlett
Mission Plate &
Window Glass Co.
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lieb

Grading.

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L.
Dillon Teaming
Co.
Federal Transfer
Co.
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Hule Co., E. M.
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Loffler, Fred
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Monahan
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Powers, Chas. J.
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Teaming Co.
Star Con. Co.
Wright Co., I. H.

Granite Curbing.

Graham Granite
Co.
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W.
Pacific Granite Co.
Tronoff, John

Gravel.

Bay Devel. Co.
Cal. Building Ma-
terial Co.
Cassaretto, John
City Supply Co.
Standard Crushed
Rock Co.
Star Contracting
Company
Stone Co., E. B. &
A. L.
Hardwood Deal-
ers.
Inlaid Floor Co.
Hardwood Inter-
ior Co.
Union Floor Co.

Wood Lumber Co.,
E. K.

Hd'ware, Dealers.

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ton
Bennett Bros.
Kruse, J. H.
Joost Bros.
Meyer, Adolph
Norman & Sons,
F. G.
Palace Hd'ware Co.
S. F. Hd'ware Co.
Smith Co., P. A.

Heating & Venti- lating.

Atlas Heating &
Ventilating Co.
Kiernan & O'Brien
Hurley Co., J. C.
Lawson, Herman
Looney Co., J.
Mangrum & Otter
Snook & Co.,
Fred W.
Torrid Zone Fur-
nace Co.
Turner Co., The
Wilson, Robt. M.

House Movers & Raisers.

Hatch, H. L.
Pearson, N. H.
Sullivan, D. J. & T.

Hoisting Engi- neer.

Le Clair, S. D.

Inlaid Floors.

Hardwood Inter-
ior Co.
Inlaid Floor Co.
Pac. Floor Sand-
ing Co.

Interlocking Tile Blocks.

California Deni-
son Block Co.

Iron Foundry.

Stelger & Kerr,
Stove & Found-
ry Co.

Iron & Steel.

Baker & Hamil-
ton
Dawson & Noyes
Judson Mfg. Co.
Pacific Coast Steel
Company.
Trussed Concrete
Steel Company,
Woods & Huddart

Iron Works.

Brode Iron Wks.
Dyer Bros.

Eureka Wire & Iron Wks.

Golden Gate Iron
Works

Hillard Co., C. J.

Kell Iron Works

Michel & Pfeffer

Monarch Iron
Works

Pacific Iron Wks.

Pacific Structural
Iron Works.

Ralston Iron
Works

S. F. Iron Works

Sartorius Co.

Schraeder's Iron
Works

Stelger & Kerr

Stove & Found-
ry Co.

Vulcan Iron Wks.

West Coast Wire
& Iron Works

Western Iron
Works

Stelger & Kerr

Stove & Found-
ry Co.

Vulcan Iron Wks.

West Coast Wire
& Iron Works

Western Iron
Works

Stelger & Kerr

Stove & Found-
ry Co.

Lighting Fixtures
Day Co., Thomas
Mohillite Co.

Lime & Plaster Dealers.

Arden Plaster Co.
Cal. Lime & Hy-
drate Co.
Cowell Lime &
Cement Co.
Guerin & Co., J. S.
Lennon Co., J. E.
Pacific Portland
Cement Co.
Western Lime &
Cement Co.

Lumber Dealers.

Acme Lumber Co.
Christenson Lum-
ber Co.
Columbia Lumber
Co.
Doe Co., Frank P.
Excelsior Red-
wood Co.
Hardy Lumber Co.
Hart-Wood Lum-
ber Co.
Hauptman Lum-
ber Co.
Kruse Co., J. H.
Hooper Lumber Co.
Higgins Lumber
Co., J. E.
Loop Lumber Co.
MacDonald Lum-
ber Co.
Moore Mill and
Lumber Co.
Oakley, — Mahony
Lumber Co.
Peterson, E. T.
Pope & Talbot
Reinhart Mill &
Lumber Co.
Ryan, George

Santa Clara Val-
ley Mill & Lum-
ber Co.

Santa Fe Lumber
Co.

S. F. Lumber Co.

Schouten & Co., J.
W.

Sunset Lumber Co.

Tierman & Beronlo

Van Arsdale-Har-
ris Lumber Co.

Wilson Bros. & Co.

Wood Lumber Co.,
E. K.

Wright, Jr., Wm.

Magnesite Floor- ing.

Artolith Mfg. Co.

Bender R.&P. Co.

Dwan & Co., J. E.

Fibrestone &
Roofing Co.

Flaherty R.&P. Co.
R. H.

Goodmanson, A. K.

Malott & Peter-
son

Watsonite Co.

Mantels, Tiles & Grates.

General Building
Work Co.

Ginsberg Bros.

Mangrum & Otter

Peerless Agencies
Co.

Marble and Mosaic Work.

General Building
Work Co.

Gneco, M. H.

Grassi & Co., P.

Mission Concrete
& Mosaic Wks.

Mission Marble
Works.

Musto Sons-Keen-
nan Co.

New Era Marble
& Concrete Co.

Teltz, Francis E.

Tomagnini & Co.,
G.

Vermont Marble
Co.

Metal Lath.

Atlantic Fire-
proofing Co.

Berger Mfg. Co.

Holloway Metal
Lath Company.

Waterhouse &
Price
Western Builders'
Supply Co.

Metal Stamping

S. F. Metal Stamp-
ing & Corr. Co.

Notary Public.

Duncan, A. M.

Oils and Greases.

Standard Oil Co.
Union Oil Co.

Ornamental Plas- tering.

Benkman, Ed. G.

Binner, Theodore

Larson, O. F.

Lipp & Co., J. P.

Painters and Deco- rators.

Baker Co., W. T.

Bell, Wm. J.

Bernstein, Wm.

Blum, Louis

Brown, J. L.

Burns Bros.

Clark & Dickson

Cramer Bros.

Conlin, J. J.

Copnick, T. W.

Dahl, T. H.

Deovann, V. J.

Hansen, Elbing A.

Johnson, C.

Kissel, Isidor

Miller, L.

Miller, J. A.

McCubbin, James

Manning, John

Neal, L. J.

Progressive

Painting Co.

Quandt & Son

Ruderman, R.

Simon Neilson Co.

Smith, J. S.

Sovig, C. B.

Trost, C. R.

Walk, Mayer

Wagner, Fred

Wagner Bros.

Zelinsky, R.

Paints, Oils Varn- ishes, Etc.

Clark & Dickson

Cohn & Co., Mar-
ion D.

Fuller Co., W. P.

O'Brien, J. S.

Paint Products

Corporation

Paraffine Paint Co.

Pratt & Lambert

Whittier - Coburn
Co.

Patent Chimneys.

Clawson Co., L. E.

Dresser - McDon-

Hughes, H. J.

Fuller Co., W. P.

O'Brien, J. S.

Paint Products

Corporation

Paraffine Paint Co.

Pratt & Lambert

Whittier - Coburn

Co.

Patent Chimneys.

Clawson Co., L. E.

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Whittier - Coburn

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Pratt & Lambert

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Paraffine Paint Co.

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Whittier - Coburn

Co.

Patent Chimneys.

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Dresser - McDon-

Structural Steel Contractors.

Brode Iron Wks.
Dyer Bros.
Golden Gate Iron Works
San Francisco Iron Works
Ralston Iron Wks
Vulcan Iron Wks.

Surveyors.

Morser, E. J.
Quimby, L. S.
Wetherell, Chas E

Teaming & Grading.

Branick, J. P.
Blanchini, G.

Federal Transfer & Draying Co.
Carlin Bros.
Devencenzi & Co., L.

Dillon Teaming Co.

Federal Transfer & Draying Co.
Harbor View Contract Co.

Hule Co., E. M.

Lennon Co., J. E.

Leffler, Fred

McGlinchey & Monohan

Montague Co., P.
O'Day Co., D.

Powers, Chas. J.

Sibley Teaming & Grading Co.
Star Contracting Co.
Wright Co., J. H.

Tiling.

Cal. Tile Contr. Co.
Ginsberg & Co., S.
Mangrum & Otter
Peerless Agencies Co.

Vacuum Co.

Bill & Jacobson
Hughson & Mer-ton Co.

Schaer Bros.

Stevens Co., Frank A.

Hyde Henry C.
United Elec. Co.
Wall Beds.
Marshall - Stearns Co.

Water Company.
Spring Valley Water Works.

Whitewashing
Brickley, P. J.
Reigle & Jamelson
Taylor, L. A.

Window Cleaning.
American Window Cleaning Co.

Windows. Patent.
Simplex Window Co.

Central Electric Co.
City Electric Co.
Decker Electric Co
Globe Elec. Co.

Levy Elec. Co.
National Elec. Co.

Elevators.
Otis Elevator Co.
Van Emon Elevator Co.

Fibre.
S. F. Fibre & Cordage Co.

Fireproof Doors.
Norris, L. A.

Floor Sanding
Inland Floor Co.
Pacific Floor Sanding Co.

Grill Work.
Cal. Art Metal & Wire Works.

Merle Co., A.
Sartorius Co.
Withington, C. W.

Gen. Contractors.
Andrus, R. C.

Brigham, H. B.
Caldwell & Co.
Cereghino & Son, Louis

Currie & Currie
Dempniak Bros.
Farquharson, D. B.

Fluth, J.
Fraser & Fraser
Graham, D. E.

Griffith, Wm.
Hannah, J. D.
Hannah & Co. J.S.

Hayes, W. W.
Jackson, A.
Kuykendall, J. O.

Malley, Edward.
Matthies, Henry
Peacock, John

Schnebley, Host-trawser & Ped-grift

Glass and Glazing
Cal. Plate & Window Glass Co.

Cohen, I.
Cobblick-Kibby Glass Co.

Friedman Bros.
Fuller, W. P. & Co.

Habenicht & Howlett
Holland, J. P.

Schwarz & Gottlieb (Inc.)

Grading & Team-ing.
Church, D. O., Co.

Dillon, D.
Eureka Teaming Co.

Fay, S. J.
McClure, H. N.

Wilhelm, A. H.
Wilkie Co., A.

Williams, F. A.
Wright, Chas.

Monarch Teaming Co.
Sibley, L. B.

McLenehan, S. H.

Granite.
Bradbury, Thos.

Cal. Granite Co.
De Lano & Sons, I. L.

Hunt, A. T.
Raymond Granite Co.

Hardware.
Joost Bros.

Kruse, J. H.
Lorenz, Schffauer & Co.

Meyer, A.
Palace Hdw Co.

Heat and Light.
Pacific Gas and Electric Co.

Heating & Ventilating.
Burnham Plumb-ing & Heating, Inc.

Cronan, Wm.
Mangrum & Otter

Montague, W. W. & Co.

House Moving & Raising.

Blume Cont'g Co.
Pearson, E. K.

Sullivan, D. J. & T

Inland Floors.
Hardwood Interior Co.

Inland Floor Co.
Pacific Floor Sanding Co.

Iron Works.
Lorenz, Schffauer & Co.

Michaels & Pfeiffer

Manarch Iron Works.

Pacific Rolling Mill Co.

Pacific Struc. Iron Works.

Joist Hangers & Post Caps.

Kortick - Falls Mfg Co.

Lilley & Thurston Co.

Lorenz Schaffer & Co.

Western Builders' Supply Co.

Kawneer System Store Fronts.

Falls Mfg. Co.

Lilley & Thurston Co.

Light and Power
City Electric Co.

Pac. Gas & Electric Co.

Lime, Cement, Etc
Acme Cement

Plaster Co.

Arden Plaster Co.

Cowell Lime & Cement Co.

Holland, J. P.

Holmes Lime & Cement Co.

Lennon, Jas. E.

Lucas, W. E.

Pacific Bldg. Material Co.

Pac Lime & Plaster Co.

S. F. Lime Co.

Shasta Lime Products Co.

Western Building Material Co.

Western Lime & Cement Co.

Lumber.
Acme Lumber Co.

Christenson Lumber Co.

Hardy, Jas. H., Inc

Hart-Wood Lumber Co.

Humboldt Lumber Co.

Hauptman Lumber Co.

Hooper Lumber Co.

Kruse, J. H.

Loop Lumber Co.

Macdonald Lumber Co.

Moore, R. B. Mill & Lumber Co.

National Mill & Lumber Co.

Olsen, Mahoney Lumber Co.

Pope & Talbot.

Santa Fe Lumber Co.

Schouten Lumber Co.

Tiernan & Bero-nia

Van Arsdale-Har-ris Lumber Co.

Wilson Bros. & Co.

Doe Co., F. P.

Lumber (Hard-wood.)

Dieckmann & Co.

Howard, E. A. & Co.

Niehaus, Ed. F. & Co.

White Bros.

S. F. Lumber Co.

Machinery.

Harron, Rickard & McCone.

OFFICIAL LIST OF MEMBERS**BUILDERS' EXCHANGE**

OF SAN FRANCISCO

180-188 JESSIE STREET

PHONE KEARNY 4700

OFFICERS AND DIRECTORS.

President, H. Maundrell.
Vice-President, E. J. Brandon.
Treasurer, C. W. Withington.
Secretary, R. J. H. Forbes.

Financial Secretary, S. A. D. Schenck.
Ass't Secretary, W. J. Carberry.
Doorkeeper, B. R. Wolcott.

DIRECTORS

H. Maundrell
E. J. Brandon
C. W. Withington
R. J. H. Forbes

R. A. Chisholm
Robert Dewar
Alexander Mennle
James Young

Chas. McDonnell
Fred P. Fischer
J. D. McGilvray

MEMBERS.**Architectural Iron Works**

Acme Iron Works.
Bay - City Iron Works.

Brode Iron Works
Central Iron Wks.
Dyer Bros.

Eureka Iron Wks
Kell Iron Works
Kortick - Falls

Mfg Co.
G. G. Structural Iron Works.

Hillard, C. J. Co.
Judson Mfg. Co.

Montenson Cons. Co.
Michaels & Pfeiffer

Phoenix Iron Wks
Ralston Iron Wks
Lorenz Schaffer & Co.

Leonard Iron Works.

St. Francis Orn. Iron Works

Itelger & Kerr
Stove & Foundry Co.

Vulcan Iron Wks.
Western Iron Wks
Withington, C. W.

Art Glass.
Ingerson & Glaser Co.

Blacksmith.
Paul Kleiber

Bonds.
Costello & Cutler

Aetna Life Ins. Co
Boole, F. W.

Empire State Surety Co.

Fidelity & Deposit Co. of Maryland

Gate, M. A.

Hillman & Son, J. R.

Jones, Edward M.

Lawton, A. F.

Lloyd & Spengler

MacMeans, H. V.

National Surety Co.

Pacific Coast Sas-uality Co.

Perley, A. E.

Smith, Leo J.

United States Metal Products Co.

United States Fidelity and Guaranty Co.

Brick and Pottery.

Bay Development Co.

Cal. Brick Co.

Carey, J. E.

Carnegie Brick & Pottery Co.

Carquinez Brick & Pottery Co.

McNear Brick Co., E. B.

Peterson - Karts-choke Brick Co.

Remillard Bk. Co

Sacramento

Steiger T. C. and Pottery Wks.

Thermos Brick Co

Building Material.

California Build-ing Material

City Supply Co.

Fernald Co., The

Kortick - Falls Mfg Co.

Holland, J. P.

Howard Co.

J. E. Lennon.

Johns-Manville Co

Pacific Bldg. Ma-terial Co.

Pacific Refining & Roofing Co.

Parrott & Co.

Paraffine Paint Co

Pratt Building & Material Co.

United Material Co

Waterhouse & Price Co.

Western Bldrs' Supply Co.

Cement Dealers

Balfour, Guthrie Co.

Cowell Lime & Cement Co.

Holmes Lime & Cement Co.

Holland, J. P.

Maynard, Jr., J. L.

Meyer, A.

Pacific Portland Cement Co.

Western Building Materials Co.

Standard Portland Cement Co.

Clay Products.

Cal Brick Co.

Stanquist, Edward

Concrete.

Chase, Silas A.

Camp & Carillon.

Duncanson, Har-rielson Co.

Foster & Vogt.

Goodman Artifi-cial Stone Co.

Hau, C. C. W.

Leonard, J. J.

Lynch, A.

Pasqualetti, J.

Petersen, H. L.

Sartorio, Charles

Stanquist & Forbes

Zimmerman, L. M.

Concrete Rein-forcement.

Pacific Building Material Co.

Contractors & Builders.

Allen, Alex. M.

Anderson, W. W.

Arthur, L.

Boring, F. H.

Born & Son, S. A.

Brady, C. A.

Braunton Bros.

Burdick, Wm. A.

Caldwell & Co.

Cameron & Diss-ton.

Cavanaugh, Thos. A.

Chisholm, R. A.

Cobby, J. W.

Coburn, I. W., Inc.

Concannon, W. N.

Conrad, H.

Cregghino & Son, Lewis

Davis & Son, T. E.

Dewar, R. & Son.

Elam, Thos. & Son

Elliot, E. W.

Fahy, R.

Fischer, Fred.

Franz, Val.

Gillespie, G. G.

Gallagher, Frank.

Gardiser, Florent.

Greig, Robt.

Hansbrough Bros.

Healey - Tibbits Con Co.

Hinson, L. A.

Hill, J. A.

Holm & Son.

Howkins, A.

Ingerson, C. A.

Jacks, H.

Jones, Paul

Masons & Builders

Alexander, R.
Allen, C. J.
Anderson & Ral-
ney.
Arlett, A.
Beck, A.
Brady, M. V.
Brady, O. E. & Son
Brandon, E. J.
Brennan, J. E.
Brigham, H. B.
Butcher, Thomas
Butcher & Hadley
Byron, D. J. & Son
Campbell Bros.
Carr, J. W.
Drake, Harry E.
Downey, J.
Farrell & Reed
Fennell, Jas.
Gale, M. F. & Son
Gilson, J. E.
Harrison, A.
Hibbins & Barker
Hock, Chas.
Hoffman, V.
Hogberg & Lud-
wig
Larsen, H. H.
Lawson, A. W.
McGowan, M.
Miller, J. W.
Murray & Mow-
bray.
Mulcahy Bros.
Nagel, W. L.
O'Connor, J. J.
O'Rourke, T. F.
Scott Co.
Rainey & Phil-
lips.
Reed & White
Ringrose, R. & Son
Scott, W. S.
Walker, P. J.
Watson, Sage
Watson, Sidney
Whitney & Davies
Wilson, James A.
Wygant, J. H.

Marble.

American Marble
& Mosaic Co.
Columbia Marble
Co.
Crassl, Peter, Co.

Hunt, Andrew T.
Maino, F. L. & Co.
Musto & Sons, Jos
Keenan Co.
Vermont Marble
Co.

**Mantels, Tiles
Grates.**

Ginsberg & Co., S.
Kirwin & Dono-
van.
Mangrum & Otter
Montague & Co. W.
Peerless Agencies
**Metal Furring &
Lathing.**
Holloway Ex-
panded Mtl Co.
Lynch, H. T.
National Lathing
and Furring
Northwestern Ex-
panded Metal
Co.

Metal Window

Works.
Dwan, J. E.
Mortar.
Atlas Motar Co.

Mosaic.

Amer. Marble &
Mosaic Co.
Maino, F. L. & Co.
Office Fixtures.

Bateman, Wm.
Forbes & Son, A. J.
Fink & Schindler
Co.
Simmen, John

Ornamental

Plasterers
Larson, O. F.
Woods, J. P.

Painters.

Daniels, Gus V.
Donovan, V. J.
Fraser, J. P.
Kuss, P. N.
Lewellyn, J.
Maundrell, H.
Spark, J. H.
Neal, L. J.

Paint Burner

Paint (Damp Re-
sisting).
Dwan Co. J. E.

Paints, Oils, Etc.

Bass - Heuter
Fuller & Co., W. P.
Kuss, P. N.
Maundrell, H.
Pacific Refining &
Roofing
Paraffine Paint Co
Whittier - Coburn
Co.

Patent Chimneys.

Clawson & Co., L.
E.
Dunlevy & Gettle
Dresser - McDon-
nell Co.
Cal. Pottery Co.

Paving Brick.

Cal Brick Co.

Planing Mills.

Anderson Bros.
Burnham - Stan-
ford Co.

Ca., Door Co.
Cal. Milling Co.
Elkington &
Hucke

Herring Mill (Inc)
Kendall, A.
Kruse, J. H.
Lorden Mill Co., J.
P.

R. B. Moore Mill &
Lumber Co.
National Mill &
Lumber Co.

Pacific Mfg. Co.
Reinhart Lumber
& Planing Mill
Co.

Reilly, P. F.
Santa Clara Mill
& Lumber Co.

San Mateo Plan-
ing Mill.
Searle & Hayman
Taylor & Co.

Plasterers.
Binner, Theo.
Bradley & Reilly
Carrick, M. H.
Chalmers, H. A.
(Inc.)

Plasterers.
Binner, Theo.
Bradley & Reilly
Carrick, M. H.
Chalmers, H. A.
(Inc.)

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Binner, Theo.
Bradley & Reilly
Carrick, M. H.
Chalmers, H. A.
(Inc.)

Plasterers.
Binner, Theo.
Bradley & Reilly
Carrick, M. H.
Chalmers, H. A.
(Inc.)

Clark, D. Ross.
Crichton, J. L.
Coghlan, Frank
Connolly, J. J.
Connell, J. E.
Fay, John
Felt, R. L.
Floodberg & Mc-
Caffery.
Fraser, Simon
Gregg & Clute
Gilmour, Wm. G.
Jacobsen, N.
Kaiser, Joe
Knowles A.
Leaf, A.
Lyden & Bickel
MacGruer & Co.
Mennie, Alex.
McCleod, J. C.
Morehouse, C. C.
O'Kane & Co., C. T.
O'Sullivan & Bow-
ler.
Smith, James F.

Plaster of Paris.

Lucas, W. E.

Plumbing & Gas

Fitting.

Ahlbach & Mayer
Bernard, G. F.
Burnham Plumb-
ing Co., Inc.
Dalziel, R., Jr., Co
Gilley-Schmid Co.
Levy, M.
Looney, J., Co.
(Inc.)

Snook & Co.,
Frederick W.
Turner Co., The

Real Estate.
Williamson Co., H.
Wittman - Lyman
Cross & Co.
Urban Realty
Impt. Co.

Riggers.
Blume Contract-
ing Co.
Pioneer Const. Co.

Riggers.
Blume Contract-
ing Co.
Pioneer Const. Co.

Riggers.
Blume Contract-
ing Co.
Pioneer Const. Co.

Riggers.
Blume Contract-
ing Co.
Pioneer Const. Co.

Riggers.
Blume Contract-
ing Co.
Pioneer Const. Co.

Riggers.
Blume Contract-
ing Co.
Pioneer Const. Co.

Crushed Rock.

Holland, J. P.
S. F. Bay Imp. Co.
Stone, E. B. & A. L.
**Roofing Composi-
tion.**

Artolith Mfg. Co.
Bender, J. W.,
Roof Co.

Fibrestone Roof-
ing Co.
Larkin Asphalt &
Paving Co.

Magnesia Asbes-
tos Supply Co.

Malott & Peterson
Johns - Manville
Co., H. W.

Meuer Bros. Co.
Pacific Refining &
Roofing Co.
Paraffine Paint Co

The Thos. H.
Price Co.
Western Asbestos
Mag. Co.

Watson Roofing
Co.

Sand, Gravel, Etc.
Cassaretto, John
Holland, J. P.

Sanitary Flooring.
Artolith Mfg. Co.
Stone, E. B. & A.
L., Co.

Fibrestone Roof-
ing Co.

Sidewalk Lights.
Jackson, P. H. & Co
McGuigan, John

Stair Builders.
Bishop, Wm. T.
Stewart, J. K.

**Roof Repairing &
Paint.**

Street Work.
Fay, S. J.

**Steel Rolling
Doors.**

Pacific Building
Material Co.

Stone Contractors.

De Lane & Sons,
I. L.
Blanchard, W. W.
Hunt, Andrew T.
McGillivray Stone
Co.
Raymond Granite
Co.

Stone Quarries.
Keystone Sand Co
Raymond Granite
Co.

Teaming.

Dillon, D.
Eureka Teaming

Holland, J. P.
McClure, H. N.
Monarch Teaming
Co.

McLenegan, S. I

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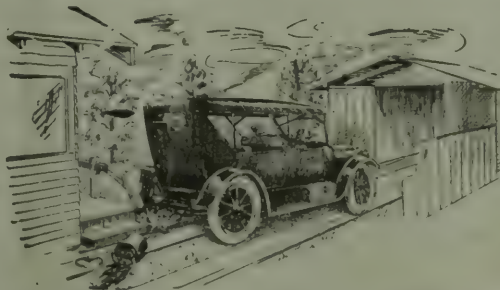
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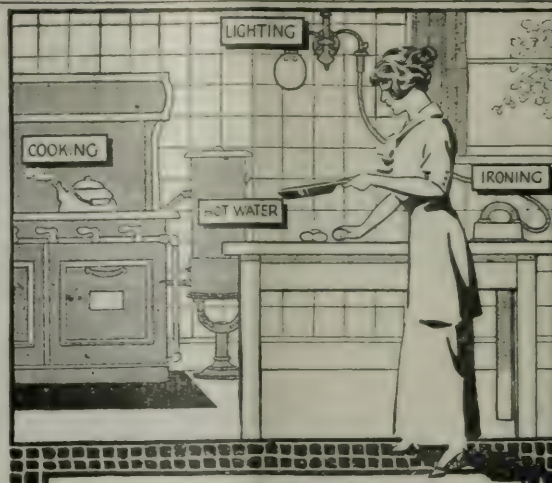
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Editorial Comment.

Building operations throughout the country for the month of December have made the poorest showing of any month of the entire year. Reports from 70 cities throughout the country made to the American Contractor, Chicago, show a loss in the aggregate of over 40 per cent for the year. This is but natural as many plans everywhere have been carried over for the new year. Particulars are shown in the following table:

City	December, 1914	December, 1913.
Akron	\$ 143,420	\$ 304,415
Albany	330,460	234,353
Alameda	409,995	645,800
Atlanta	154,724	216,001
Baltimore	243,570	419,031
Berkeley	73,700	233,250
Birmingham	100,307	407,380
Boston	3,323,862	1,969,140
Bridgeport	186,570	241,565
Buffalo	347,000	1,284,000
Cedar Rapids	547,650	1,057,600
Chattanooga	9,950	48,880
Chicago	6,214,050	5,934,450
Cincinnati	209,045	376,390
Cleveland	1,216,775	2,071,780
Columbus	1,005,200	432,550
Dallas	110,025	238,450
Dayton	23,005	16,030
Denver	593,510	59,171
Des Moines	48,700	114,600
Detroit	1,440,530	1,904,355
Duluth	78,975	83,855
East Orange	115,771	62,235
Fort Wayne	27,200	69,510
Grand Rapids	125,750	150,605
Harrisburg	34,000	11,250
Indianapolis	219,460	701,469
Kansas City	223,600	472,695
Lincoln	35,600	48,335
Little Rock	36,572	132,529
Los Angeles	651,639	2,156,951
Louisville	188,330	137,820
Manchester	197,467	93,765
Milwaukee	393,410	867,468
Minneapolis	521,400	1,148,645
Nashville	44,290	51,578
Newark	311,632	3,185,828
New Haven	494,970	1,400,420
New Orleans	274,172	202,133
New York City—		
Manhattan	1,544,744	15,331,841
Bronx	292,072	1,141,818
Brooklyn	1,598,315	3,295,375
Boro of Queens	870,202	1,700,667
Richmond	209,126	1,049,424
Oakland	278,891	1,099,621
Oklahoma	7,865	9,295
Omaha	216,475	149,475
Pasadena	48,648	140,166
Paterson	68,630	156,125
Peoria	106,920	79,925
Philadelphia	1,261,350	1,445,435
Pittsburgh	3,473,100	917,355
Portland	1,001,355	640,565
Richmond	212,502	170,994
Rochester	303,599	725,185

San Francisco ..	1,690,426	2,534,068
San Diego	173,135	403,000
San Jose	33,203	29,655
Salt Lake City ..	171,450	139,875
St. Joseph	24,395	21,985
St. Louis	379,966	770,233
St. Paul	510,640	705,184
Schenectady	83,878	103,315
Scranton	128,406	150,988
Seattle	1,298,165	549,735
Shreveport	17,818	103,907
Sioux City	66,610	75,920
South Bend	35,980	10,250
Spokane	18,700	63,625
Springfield, Ill. ..	33,375	42,680
Syracuse	145,403	193,975
Tacoma	43,175	114,638
Toledo	139,945	199,320
Topeka	6,625	102,375
Troy	61,335	11,464
Utica, N. Y.	88,740	138,900
Washington	433,036	296,957
Wilkes-Barre	43,086	53,030
Worcester	175,440	347,655

Total

The jitney bus has become a thing to be dealt with here in San Francisco. The people engaged in the traffic have organized and they claim to represent a capitalization of more than \$250,000. They claim that the business grew out of inefficient street car service and to the casual onlooker that claim is justified.

The United Railroads have long had things their own way in San Francisco. Until the advent of the municipal lines they gave what kind of cars they pleased, how many they pleased and when they pleased, and the traveling public could take them or walk. Since the establishment of the Municipal line the service in competition has perceptibly improved, but in other portions of the town everybody has to wait until they are tired and disgusted, and then ride home hanging to a strap.

The United Railroads are still endeavoring to pay interest on a capital that is two-thirds water. That private automobiles can beat them in service is not to be wondered at.

It is a question whether or not the men who attend to the street lights of San Francisco can read. At any rate the street names that encircle the globes on the gas lamps at the street corners have in the great majority of cases been turned around, either so the name is not on the right street or half way between so that it would be impossible for the stranger to tell where he is. There was a great agitation and considerable expense to put these street names on the lamps. In view of the fact that we expect a good many strangers here this year it might be a good plan for the street department to get busy and change these signs around where they belong.

THE BUILDING OUTLOOK.

Editorial Review of Business Prospects by the American Contractor—
Information Received from Its Correspondents
Throughout the Entire Country.

To one who carefully reads the reports of building conditions in all parts of the country, the one thing optimism that exists among architects, which will probably impress above all others is the almost universal spirit of What is the actual value to be placed upon that optimism, is the architect professionally one who looks upon the bright side of things, or is he in a position to perceive and appreciate conditions of betterment that are yet hidden from the general business eye? If the latter then the architects of the country sound a most cheering and significant note of reviving business activity.

The architect is and should be an optimist, just as everybody should be to the limit consistent with sound judgment. The architect breathes the true spirit of the times in giving voice to his hopes and expectations. And it is moreover true that he is in a position to behold underlying conditions not yet generally apparent.

Another significant fact is the large amount of construction work that has been planned and held up on account of adverse financial conditions. This deferred work has increased from week to week and now has attained a notable volume. The mere return of money to its normal market status would in itself give a tremendous impetus to the building line without the addition of further new business.

Some localities report the money markets practically back to normal conditions; others indicate only progress in that direction. All, however, show marked improvement as compared with a month or two ago. Buffalo gives the tip as coming from inside banking sources that after January 1 money will loosen up. And the significant statement comes from Columbus that bankers are now tending to favor building operations more than they did a month or two ago, because new buildings add to the material welfare of the country.

That is an important idea. It is, moreover, a comparatively new idea, one that should be widely promulgated. The banker three months ago had no quarrel with legitimate building operations. They were all right in their way, but they had no preference. There were other demands made upon his consideration to which he gave first place. But the big financial people have had an opportunity to study the effects of a moderate subsidence in construction work. It pinched in many unexpected places. Because of this modest subsidence in building operations, construction work no doubt now occupies a position of higher necessity, in the eyes of the financier, than it has done heretofore. The making of a community is wrapped up in its structures. It can progress only as its buildings progress and the welfare of the latter, therefore, rise to supreme importance.

Our Washington correspondent raises an interesting issue, one of pure

psychology. In that city of regular economic habits, with banking deposits as steady and uniform as clock work, there has been reported the same tight "money money" as in other cities. Apparently, simply because to hoard resources had become a contagious habit. The numerous evidences of financial relaxation are therefore most cheering.

An early expansion of building is foreshadowed also in the reports of public work. Where the issuance of bonds has been submitted to vote the result in the great majority of instances has been favorable. And moreover many municipalities throughout the country are taking pains to get under way public work, because officials recognize that that policy is popular, relieving as it does the local distress created by unemployment. The aggregate amount of new work undertaken from that motive is doubtless vast.

The building outlook may be regarded as distinctly better than a month ago. It is of course mainly prospective. It is not expressed in the December work. It relates to the new year. Rejoicing at this time is twofold, first that the old year has departed and second that the new year, from which better things are expected, has been ushered in. Detailed building reports follow:

In New York City.

With the passing of 1914 the hope is generally expressed that the great business depression caused by the European war will pass along with it. Already optimism prevails amongst the architects to a greater extent than for some time. While there is no more actual planning going on than heretofore, a great many sketches and preliminary drawings are being made which foreshadow an unusual amount of spring work. The opening of the New York Stock Exchange has undoubtedly helped a great deal toward restoring confidence. Many clients having large investments in stocks who had held off on going ahead with their building plans during the interim of the closing of the Exchange have ordered work to begin immediately. Speculative building especially has taken a big brace as many large operations have already been undertaken, and the outlook for residential and commercial work is very bright to say the least. The rate of money stands about the same, but the prevailing opinion is that shortly after the first of the year money will loosen up considerably. Taken altogether the architects do not see any reason why 1915 should not start with a rush and continue so throughout the year.

Another New York City correspondent writes: Optimism is still prominently before the minds of general contractors, builders and engineers. Projects which have been idle for—say a couple of months—are expected to revive and proceed some time shortly after the first of January. This optimism does not seem to be mis-

placed as even now there are jobs under way being figured, which while small in number are nevertheless being undertaken. At this time, however, when structural contracts are about completed, plumbers, heating contractors, painters and like trades are proceeding with their different lines which are not seriously hampered by the cold weather. Prominent builders and contractors in New York City say that January 1 and later will see a revival of operations. No tremendous rush is looked for, but the improvement is awaited eagerly.

The following report also refers to New York City: Never in my experience has the building outlook taken such a jump as in the past month. There are several railroads throughout the eastern part of the country, whose construction work is handled from New York, that need and must have new buildings and additional equipment and have even gone so far as to have plans prepared, and in several cases they have even taken bids only to indefinitely postpone them pending the different stands to be taken by the government on subjects of great importance to them. In the last month several municipalities have sold bonds to cover construction work of different types, and several engineers have received orders to go ahead with work which heretofore was only contemplated.

Around New York City.—Inquiries and requests for plans are as numerous for buildings to be erected in 1915 as in previous years. There is a general feeling that mortgage money will be plentiful this spring because of its long continued tie up. Building construction of all descriptions have been affected equally by the poor money market. Money for school buildings which has been almost impossible to get previously to this month is now finding a bond market. In Elizabeth, N. J., though, the General Sinking Fund of the City is to be used for the erection of the two new schools—one on Madison street, the other on Magee street. Three Bronx, New York City, speculative builders, will erect buildings costing \$1,000,000 this spring, plans for which are now being figured.

The interest rate for loans is the same now as before the war started, but bonus money has been increased. When this has been taken into consideration, the interest rate has been increased. This is happening in the three states of Connecticut, New York and New Jersey. A prominent mortgage and guaranty company of White Plains, N. Y., has resumed the placing of loans within the territories under its control. When the stock market closed, they stopped placing all loans. Now the stock market has re-opened, they have resumed the placing of loans.

In Eastern Territory.

Boston.—The feeling among architects here is much more optimistic than a month ago. There have been many large contracts awarded and the

work started on large factories and other building projects which have been held up for some time. There are also many preliminary drawings which had been laid aside which are now being put into working drawings and will be figured as soon as they are ready for the contractors. The architects that do mostly residential work, while not busy at the present time, state that they do not expect it at this time of the year, but feel that after the first of January they will get a fair amount of new work and that things are now actually progressing. The interest rate is still 6 per cent, but in some cases recently money has been obtainable at a lower rate.

Washington. — As predicted last month no material increase of business was experienced by the building field during the month of December. A large amount of sketching is being done by the architects, but in very few instances have any of the projects arrived at the stage of actual progression, owing to the difficulties to be mastered in making financial arrangements. There is a real disposition on the part of the business man to build and he realizes his disability to negotiate necessary loans to carry out this building. But why, asks one of our leading architects, should a condition so symbolic of money shortage be present in Washington? The main source of revenue and practically the only source is dependent upon the United States Governmental departments. Upwards of approximately \$5,000,000 is placed in circulation each month, by the Federal Government through its employees. This amount fluctuates very slightly from one year to another, and if any difference is to be discerned it is always an increase, as the Government expands. At this date the banks of this city have more surplusage on account than ever before in their history, and yet they demand gullt edged security on all business loans. With these existing conditions, the depression in the building field is artificial, caused by the withdrawal of funds from this business channel by the financial institutions. A general opinion prevails that the money market is due to become normal, and with the present tone of optimism, this month of January should begin an exceptionally prosperous new year.

Philadelphia. — Inquiries and requests for plans for buildings are coming in fairly well, the same covering all lines. Business among the builders the last month is not quite up to the average of the same month last year. The majority of the architects are not complaining about next year as they say that they have quite a number of plans in progress that they are not at liberty to speak of yet.

Atlantic City, N. J.—The architects here don't seem to have very much work in progress at present, but this is not a bad indication as the spring business does not usually start till after the first of the year.

Eastern Pennsylvania. — Building conditions are growing better daily. At this time of year building is usually slow, but owing to the open winter work has been progressing in this territory and prominent architects and builders have had work and continue to have. The outlook for architects for the new year is good. None are

complaining, except a few in the smaller towns who usually close work for the winter months. All architects have a few or more buildings to plan during the first month of the new year and bids will be taken on many good sized structures, and as soon as winter breaks up work will be resumed on a larger scale, better, it is said, than for some years past. The councils of many cities are enacting lots of public work to be done the coming year.

Buffalo.—A decidedly hopeful feeling prevails here since the railroad rate decision and the re-opening of the New York Stock Exchange without a drop in prices. There is nothing in sight in the way of present business, but architects do not look for any at this time of year. All say they have good prospects for spring and expect to get orders to go ahead with plans as soon as building loans are more plentiful. In the latter respect, there is a decided easing of money noticeable, and the word comes from inner bank circles that after the first of the year there will be all the money that is needed for legitimate building operations. There are a large number of big projects which will go ahead as soon as they can be financed. In the opinion of architects, engineers and well posted contractors, 1915 should be a good year. Some predict a boom, but the general opinion is that normal conditions will again prevail. In the mean time, they are all waiting for the upward turn.

Pittsburgh.—Building conditions at present are practically in the same state they were in a month ago. Architects and engineers agree that prosperity is in the future and the general opinion is that by early spring everything will be booming. The fact that leads most of the architects and engineers to this opinion is the granting of the eastern railroads the 5 per cent increase over their present freight rates. They claim that this increase to a certainty will start a prosperous year, especially in and around Pittsburgh.

Throughout the West.

Chicago. — Work, which Chicago architects now have on the boards, consists mostly of preliminary sketches, for development in the spring. December is passing into history, as Decembers have usually passed heretofore, with the quieting effects of the holiday season quite apparent. But notwithstanding the lull to trade, as the old year passes away, the prospects of early spring are giving to some offices a present degree of activity, which did not exist a month or two ago. Especially in some of the outlying districts, where weeks ago the office door of the architect might have been found closed and locked, the lights of late afternoon are now aglow, and the designer of buildings is contentedly at work on his plans. In the loop district there prevails among the architects a general sentiment of optimism. The belief exists that 1915 is going to give a good account of itself in a building way. There are intimations, or more than intimations, that money is going to loosen up. A large number of plans had been pigeon-holed because of the financial tightness a few months ago. This prospective work includes factory buildings, large apartment houses, and in fact all

classes of structures. The sole reason why they have not gone ahead was because lenders locked their safes and put their check books in cold storage. And now that the genial spirit of confidence is once more gaining sway this construction work, grown somewhat bulky through long accumulation, points to what may possibly develop into a vernal freshet of work. Turning from prospects to actual developments, there is reported some increased activity in at building business, under construction mainly by the so-called speculators and contractors. On the outskirts of the city considerable actual building is in progress and the diminution in construction, as compared with a year ago, is quite moderate.

Cleveland. — A noticeable loosening up of the banks as far as building loans are concerned during the past month has tended to encourage all those interested in the building business, and there is no reason to believe that the banks will not continue to be more liberal in granting loans for this class of work. While the past year has been bright in this industry the prospects for 1915 are much brighter. We have made a careful investigation and have secured data on work that is being planned and talked about for the coming year. The result of this investigation shows that the architects and engineers of this city are preparing plans at the present time for new buildings, the total cost of which will exceed \$14,600,000. Buildings for which plans are being prepared by foreign architects for this city will cost over \$3,609,000. Buildings contemplated for which no architect has been employed will total \$6,349,000, or in short the building work now in sight which will go forward in 1915 will cost approximately \$24,588,000. It might be interesting to know just what class of buildings are being planned and financed. The following is a classification of buildings for which plans are being made by local architects and estimated cost: Hotels, \$200,000; office and commercial buildings, \$3,060,000; residence and apartment buildings, \$2,389,000; college and school buildings, and lodge buildings, \$4,210,000; hospitals, \$1,080,000; theatres, \$285,000; churches, \$646,000; factory buildings and warehouses, \$2,110,000. As the report shows there is nearly as much work, insofar as the approximate total cost of the buildings is concerned, contemplated and being planned at this early date for 1915 as was done in the past year. Basing my predictions from what I have learned from architects, engineers, contractors, material and supply men, and from what has been told me by bank officials, I believe I am safe in saying 1915 will be by far the most prosperous year in the building business in Northern Ohio and in Cleveland in the history of the state.

Cincinnati.—"The people of Cincinnati have every reason to look into the future with the greatest confidence, if the progress that will be made in 1915 in the building line is to be its barometer," said a local business man who has been actively connected with the building industry for over forty years. This town the last several years has been awakening to a new spirit, and 1915 will find it wide awake and going forward with such a rush

as it never experienced before in its history. The progress Cincinnati makes next year will be a logical one, a kind a city of its class, with its excellent manufacturing establishments, its skilled mechanics and industrious working population, its educational system, one of the finest in the world, its beautiful suburbs of modern homes, and with its progressive business and professional people are rightfully entitled to. Cincinnati in 1915 will erect a new court house and jail, a new high school, at least one and possibly two intermediate schools, a municipal auditorium, two new buildings for its municipally owned university, a new central Y. M. C. A. building and a colored branch, at a cost of \$5,000,000. It will also open to the public its new general hospital, erected at a cost of over \$2,000,000.

Northern Ohio and Indiana.—Northern Ohio has shown a great increase in the last thirty days over the month of November in regard to inquiries and requests for building plans, although Northern Indiana has no great increase in the last thirty days for inquiries and requests for plans, but most architects are busy with sketches for future building which will be started in the spring. The money conditions which have opened up to a great extent, make the outlook for new school buildings much brighter, as the boards of education in different cities are more inclined to start advertising their school bonds, and those that have started advertising this last month have met with favorable results, and the possibilities for new school buildings for this coming season throughout Northern Ohio and Northern Indiana are excellent.

Detroit.—There has been no noticeable change in the building outlook for this month from that reported one month ago. In fact things are a little duller now on account of Christmas and New Year's drawing the attention of the people and very few are talking building at this time of the year. However, the architects are still optimistic and think that after the first of the year there will be a reversal of conditions. Some architects already have orders for plans which will go ahead the first of the year. They all have a number of prospects and report on some nice buildings may soon follow. The loan interest rate remains the same, 6 per cent, but very little of this is being done.

Indianapolis.—Building operations in Indiana are decidedly becalmed. Activity is at a very low ebb as a large percentage of the prospects of 1914 developed, went ahead and have been completed. The open weather of the late fall enabled contractors to finish up their work with the result that the architects' boards are not cluttered up with a lot of half-finished projects to be completed in the spring, as it frequently the rule. The prevailing quietude has not cast a pall of discouragement over architectural circles; instead, those of the profession are as becalmed sailors patiently awaiting the dawn of the tomorrow to catch the first sight of the ripple approaching from the horizon, betokening the breeze that will soon swell the sails and carry them on their way. Even in the darkness of the departing year the murmurings can be heard in the rig-

ging and the crews are busy hauling to and clearing away in preparation for the coming days. In the offices, behind the partitions back of the private offices, the trestle boards are creaking, where the draftsmen are laboring with their tee-squares, compasses and pencils, preparing sketches for prospective work. The general business perplexity still pervades the atmosphere and, while no one can fathom the future with its uncertain financial bearing still there are many preliminary inquiries that point to a prosperous outlook. Architects all over the state announce that their prospects were never better at this season of the year, in fact, they predict that 1915 will be one of the best Indiana ever experienced in building. While no one knows what will be the effect of the Federal Reserve Act, still there is an air of optimism regarding it. Many look for the business forced on this country by the European war to greatly stimulate conditions and aid in the expansion of industrial and individual improvements. While the volume is not large, nevertheless there are many projects that will materialize in the spring, having been postponed because of the prevailing financial conditions of 1914. Much institutional work is in prospect, also considerable public work, such as schools and municipal buildings. The dawn of the new year seems full of well placed hope and unless unforeseen conditions, entirely out of harmony with the present outlook arise, the coming year should greatly surpass in building operations those of 1914.

Milwaukee. — In my report last month I tried to lay special emphasis upon the fact that conditions and prospects seemed to be especially bright for next year. From what I have learned during the past month, I believe that my previous prediction will be fulfilled earlier than I thought possible at that time. Architects and contractors in several of the larger cities surrounding Milwaukee, also feel optimistic regarding the future, and most of them have one or two good sized projects to start the spring work with. Not only the architects, but the manufacturers are taking a more hopeful view, and all are talking increased business for next year. A very prominent man and the president of a large firm gives it as his honest convictions that 1915 would be the best year we have had since the "disastrous" 1907.

Minnesota.—Taking everything into consideration prospects for 1915 appear at the present writing to be very favorable. The railroads are planning a lot of new work, which will add considerably to the total volume now scheduled for this territory. The rate on loans is practically back to normal and after the money scare is over the architects in general look forward to a great boom. Lots of work which was postponed this fall undoubtedly will be undertaken in the spring. No single event has done more toward strengthening business confidence than the establishing of the new banking system, the full advantages of which have not yet been fairly tested or appreciated. The St. Paul railroads have finally decided to erect a new \$15,000,000 station, which ought to help the city considerably in the building line.

St. Louis, Mo.—The baffling question is the future of the building trade in St. Louis. Some architects say they can see a break for the better and some think it will remain as it is for some time. Many fairly large prospects are in abeyance on account of shortage of medium size loans, \$5,000 being the average amount obtainable. Money in amount of \$15,000 and upwards is scarce. The money question is apparently the only thing that keeps St. Louis from doing a normal business. So far the Regional banks have not materially loosened the pressure, although, eventually it is thought that banks will be able to pay more attention to realty projects. While the "Safety First" banking policy still prevails the outlook seems brighter than a month ago. From interviews with leading business men, not only in the building line, but in other lines, St. Louis will be ready to grasp the opportunity when it comes. Many large operations, postponed during the last few months, are expected to be taken up shortly. There are indications that even the small investor is beginning to realize that now, with real estate and building material cheaper than ever, is the time to build.

Kansas City, Mo.—The engineers in this territory have about the same report, that is, that about 70 per cent of the bond elections throughout Missouri and Kansas carry. This is a good sign of a business year as they expect. They also find a ready sale for the bonds voted. The architects are very optimistic. A number of them have very promising sketches on the boards, and a large amount of work that had been laid aside for months has been revived. The contractors base their optimism on the architects' reports, and from other business they get on private plans. Builders in Kansas City say they will do a larger amount of building in 1915 than they have done in the past year.

Omaha.—A large percentage of the architects say the outlook for business in this territory, and in the country particularly, is unusually good, but that the realization of the same will depend upon the conditions of the money market as they develop.

INCORPORATIONS

Mains & Welsh Company. General construction, repair and improvement of booths for exhibits at P. P. I. E. Capital Stock, \$10,000; 1000 shares at \$1 each; amount subscribed, \$3. Place of business, San Francisco. Directors—J. H. Welsh, H. L. Mains, J. W. Henderson, 1 share each.

Marshall, Johnson & Co., General fruit and produce business. Capital Stock, \$50,000; 500 shares at \$100 each; amount, subscribed, \$500. Place of business, San Francisco. Directors—S. S. Marshall, 2 shares; A. P. Jacobs, R. K. Malcolm and F. L. Dreker, 1 share each.

Credit Association of California. A general rating, reporting and collection agency business. Capital Stock, \$10,000; 1000 shares at \$10 each; amount subscribed, \$30. Place of business, San Francisco. Directors—F. A. Berio, M. G. Cheli, M. G. Ware, 1 share each.

ADVANCE NEWS

Classified according to Character of Work

APARTMENT HOUSES.

SAN FRANCISCO—Apartment house, 3 story and base, frame, \$15,000. Architects, Rousseau & Rousseau, Monadnock Bldg., S. F. Owners, Gerard Investment Co. The building will be erected on the east side of Jones street south of Pine, and has been designed to contain six suites of three rooms each, covering an area of 30 by 73 feet. Interiors will be finished in pine, redwood and elm panels. Hardwood floors will be used in the living rooms. Plans provide for steam heat and a hot water system. All suites will have wall beds and private baths. Baths rooms will be finished in tile with composition floors. Marble wainscot will be used in the entrance. Exterior of the building will be covered with cement plaster on metal lath. Plans are complete and figures are being taken.

SAN FRANCISCO—Apartment house, 3 story and base, frame, \$20,000. Architect, Charles J. Rousseau, 46 Kearny street, S. F. Owner's name withheld. The building will be erected on Sixth avenue near Irving street, and has been designed for a number of two and three room suites with wall beds and private bath rooms. Interior will be finished in pine, redwood and elm panels. Hardwood floors will be used in the living and dining rooms. There will be a central heating system and hot water supply. Bath rooms will have tile wainscot and composition floors. Entrance will be finished in marble. Exterior of the building will be covered with cement plaster on metal lath. Plans are now being prepared.

SAN FRANCISCO—Apartment house, 3 story and base, frame, \$17,500. Architects, Rousseau & Rousseau, Monadnock Bldg., S. F. Owners, Metropolitan Investment Co., 333 Kearny street, S. F. This building will be erected on the east side of Jones street south of pine, covering an area of 40 by 80 feet, and has been designed to contain a total of six suites of four rooms each. All apartments will have wall beds and private bath rooms. Interiors will be finished in pine and elm with some white enamel. Hardwood floors will be used in the living and dining rooms. Bath rooms will have tile wainscot and floors. Plans provide for steam heat and a hot water supply. Marble and tile wainscot will be used in the entrance and lobby. Exterior of the building will be covered with rustic and cement plaster on metal lath. Plans are complete and in the hands of the owners who will do the work by Day Labor.

RICHMOND, CONTRA COSTA, CO., CAL.—Apartment house, 2 story and base, brick. Cost not stated. Architect, James T. Nabett, Berry Bldg., Richmond. Owner, D. L. Hilson. The building will be erected at the corner of Ferry and Howard streets. The first

floor is now up and the second floor addition will be arranged for a number of two room suites with private baths. Interior finish will be of pine and redwood. Bath rooms will be finished in tile. Hot and cold running water will be supplied to all rooms. Exterior will be faced with stock brick. Plans are complete and figures are being taken.

SAN FRANCISCO—Apartment house and stores, 6 story and base, steel and brick. Cost not stated. Architects, Rousseau & Rousseau, Monadnock Bldg., S. F. Owner, Theodore A. Rulfs. The building will be erected on Jones street near Pine, and has been designed for a six-story structure. Only the first story will be erected at the present time. This floor will contain a number of modern stores. When the upper floors are erected they will be arranged for two and three room suites with private bath and wall beds. Patent store fronts are specified. Exterior of the building will be faced with pressed brick. Plans are now being prepared.

SAN FRANCISCO—Apartment house, 3 story and base, brick, \$20,000. Architect, none. Owner, J. G. Kincanon, 215 Montgomery street, S. F. The building will be erected on the north side of Post street east of Polk, and will have a frontage of 28½ feet by a depth of 120 feet. There will be a total of 14 apartments of 2 and 3 rooms. Interior finish will be of pine and redwood with some elm panels. Hardwood floors will be used in the principal rooms. Plans provide for steam heat and a hot water system. All suites will have wall beds and private bath rooms. Marble wainscot will be used in the entrance. Bath rooms will have tile floors and wainscot. Exterior of the building will be faced with pressed brick. Plans are complete and in the hands of the owners who will do the work by Day Labor. Materials are now being purchased.

BANKS

MARTINEZ, CONTRA COSTA CO., CAL.—Bank addition, 2 story and base, stone and brick. Cost not stated. Architect's name not given. Owners, Bank of Martinez. Preliminary steps have been taken by the directors of the Bank of Martinez towards constructing an addition to the present bank building. The directors contemplate the addition of two stories, which will occupy thirty-seven feet adjoining the present site on the corner of Ferry and Main streets. The meeting at which plans will be submitted has been set for the second Monday in February, when more definite information will be given. The directors of the bank are: W. S. Tinning, A. E. Dunkel, J. E. Rodgers, Thomas Fernandez, W. A. Hale. W. S. Tinning is president.

BONDS.

NICOLAUS, SUTTER CO., CAL.—Saturday, January 30th, has been fixed as the date for the bond election called by the Trustees of Reclamation District No. 1001 for the purpose of voting on the proposition of issuing and selling bonds of the said district in the sum of \$500,000.

The proceeds of the sale will be used in completing the big drainage and reclamation works of the district. The officers in charge of the election, which will be held in Nicolaus, are: Robert Shields, G. A. Wessing and Chas. C. Girder.

TACOMA, WASH.—Steps to increase the efficiency of the schools are now being taken in many of the school districts of Pierce County. The question of issuing and selling bonds in the sum of \$45,000 for the construction of a new high school building will be voted at Eaton, Pierce County, Washington, at an early date.

PORTLAND, ORE.—Preliminary plans for the proposed new incinerator, for which bonds in the sum of \$200,000 were recently voted, are being prepared by City Commissioner Daly. The first step taken will be to purchase a site and the disposal of the bonds.

SUSANVILLE, LASSEN CO., CAL.—The Supervisors have order District Attorney Rollin O. Doyle to make the necessary preparations for the calling of a special bond election to vote on the proposals of issuing bonds for the erection of a new court house and a new county hospital.

It is thought that bonds of \$200,000 will be voted for the court house building and \$20,000 for the construction of a county hospital. The matter will be discussed at the next meeting of the Supervisors.

CAMULOS SCHOOL DISTRICT, VENTURA CO., CAL.—The Camulos School District has called an election to be held on January 21st for the purpose of voting bonds of \$15,000 for the erection of a new school building, supplying same with furniture and the necessary apparatus. L. M. Sullivan, George Maltby and V. M. Bemgardner are the Trustees of the District.

SALINAS, MONTEREY CO., CAL.—In order to avert any future litigation over the legality of Monterey County's \$750,000 road bond issue, and to make sure that all requirements have been complied with, a friendly test suit is to be instituted in the Superior Court. This is in accordance with an agreement entered into by the Board of Supervisors and the firms of Rollins & Son and N. W. Halsey & Co., who have agreed to purchase the bonds.

JEROME, ARIZ.—A \$150,000 bond issue to raise funds to resume development of the Arkansas and Arizona Copper Company's property at Jerome, Arizona, was authorized by the stockholders at a special meeting held in Little Rock, Ark.

The money will be used in the development of the mine. The bonds are to be sold to stockholders at par.

SANTA CLARA, SANTA CLARA CO., CAL.—The special bond election held at Santa Clara to authorize the issuance of \$130,000 in bonds for the completion of the State Highway through the town was defeated by twelve votes.

FRESNO, FRESNO CO., CAL.—Additional assurance that the question of calling a two or three million dollar good roads bond election for Fresno County will be placed before the voters for their confirmation or rejection in a short time, when a supplementary petition of forty names was placed on file with the Board of Supervisors to fill out the petitions filed by the Fresno County Chamber of Commerce some months ago. According to present figures, compiled by Reed Schaeffer, Clerk of the Supervisors, but twelve names are necessary in order to place the matter before the Supervisors and for them to appoint a highway commission.

SAN BERNARDINO, SAN BERNARDINO CO., CAL.—A bond election to vote on an issue of \$135,000 school bonds has been announced by the Board of Education. The Board has set March 19th as the date for the election.

SAN BERNARDINO, SAN BERNARDINO CO., CAL.—S. V. Horton, president of the Board of Supervisors, has announced that work on the new county hospital building will commence as soon as bonds are sold. Bonds in the sum of \$150,000 were voted for this building some time ago.

BRIDGES AND DAMS.

PORTLAND, ORE., TO VANCOUVER, WASH.—Bridge, steel and concrete, \$1,750,000. Engineers, Interstate Bridge Commission, Portland. Owners, Multnomah and Clarke Counties. At a meeting of the Interstate Bridge Commission, official proposals for the construction of the proposed bridge to be built between Portland and Vancouver were authorized. Bids will be received until 2 p. m. February 23rd. The structure will consist of 28 spans, the longest being 276 feet and the shortest 70 feet. The steel work will be about 5,000 feet in length, exclusive of the approaches, which will be 12,000 feet long. About 10,000 tons of steel will be required, together with 1,000,000 cubic yards of earth excavation and 29,000 cubic yards of concrete. Alternate proposals for two types of draw bridges will be received, and the other alternate will be a swing draw. The cost of the bridge, including costs for rights-of-way, engineers fees and other expenses attached to the preliminary work, will be \$1,750,000, bonds for which have already been sold. Of this amount Multnomah County pays \$1,250,000 and Clarke County, Washington, the balance of \$500,000. Governor West is chairman of the commission.

SAN FRANCISCO—Wharf shed, 2 story, frame construction. Cost not stated. Engineer, Assistant State Engineer, Ferry Bldg., S. F. Owners, State of California. Plans for the two-story frame baggage shed to be erected on the southernmost dolphin at the Ferry Building for the use of the Wells-Fargo Co. have been completed

and approved. Bids are now being taken and will be opened by the State Board of Harbor Commissioners on January 21st. Plans and specifications can be secured from the State Board of Harbor Commissioners at the Ferry Building. The first story will cover an area of 110 by 430 feet and the second story portion 110 by 200 feet.

MONTEREY, MONTEREY CO., CAL.—Breakwater, concrete construction, \$200,000. Engineer's name not given. Owners, Monterey County and the State of California. Reports state that Assemblyman Boyce of Monterey will ask the legislature for an appropriation of \$200,000 for the construction of a breakwater at Monterey. Four years ago the legislature appropriated the sum for the purpose, which was made contingent upon the Federal Government appropriating \$600,000. Certain stipulations of the department were not carried out and the state appropriation reverted to the state treasury in July, 1914.

RENTON JUNCTION, SPOKANE CO., WASH.—Bridges, 2, steel and concrete. Cost not stated. Engineer, County Surveyor, Spokane. Owners, Spokane County. County Engineer Denton reports that plans will be ready in about ten days for the construction of two steel bridges, one at Renton Junction and the other at the mouth of the Duwamish River. They will have a span of about 120 feet each. The latter structure will be of the movable type.

SAN FRANCISCO—Dry dock, concrete construction, \$1,500,000. Engineers, Union Iron Works, S. F. Owners, Union Iron Works. Plans are now practically complete for the new dry dock to be erected at Hunter's Point by the Union Iron Works. The dock will be 1,090 feet long and 110 feet wide and deep enough to dock the largest vessels coming into this port. The agreement between the Union Iron Works and the United States Government whereby the Government is to furnish the company with \$50,000 worth of work each year for a period of six years has been signed. The construction of the dry dock together with other extensive improvements to be made at the Union Iron Works will cost in the neighborhood of \$1,500,000.

Contracts Awarded.

FOLSOM, SACRAMENTO CO., CAL.—Bridge, reinforced concrete, \$5,778. Engineer, County Surveyor, Sacramento. Owners, Sacramento County. Contractors, W. N. Concannon Co., 525 Market street, S. F. Contract price, \$5,778.

MODESTO, STANISLAUS CO., CAL.—Bridge and culvert, concrete construction, \$1,904 and \$478. Engineer, County Surveyor, Modesto. Owners, Stanislaus County. Contractor, C. D. Palmer, Oakdale, Twenty-six mile bridge, \$1,904 and J. E. Griffiths, Oakdale, culvert, \$478.

BAKERSFIELD, KERN CO., CAL.—Bridge and grading construction, \$12,973.27. Engineer, County Surveyor, Bakersfield. Owners, Kern County. Contractors, Castro & Blaisdell, Bakersfield. Contract price, \$12,973.27.

SAN FRANCISCO—Wharf construction, creosoted pile and timber, \$98,300. Engineer, Assistant State Engineer Newman, Ferry Bldg., S. F. Owners, State of California, represented by the State Board of Harbor Commissioners. Contractors, Healy-Tibbitts Construction Co., S. F. Contract price,

\$98,300. Note: A complete list of the bids submitted for this work, Pier No. 24, appears under the heading of San Francisco in this issue.

COURT HOUSES.

STOCKTON, SAN JOAQUIN CO., CAL.—Court house alteration. Cost not stated. Architect, Joseph Losekahn, San Joaquin Bldg., Stockton. Owners, San Joaquin Co. Plans for alterations in one of the wings of the present court house have been completed and figures are being taken. The work will consist of rearranging the present rooms into offices for the County Sheriff. Bids are now being taken and will be opened on January 28th by the Board of Supervisors. Plans and specifications can be secured from the County Clerk or the architect.

FACTORIES AND WAREHOUSES.

SAN FRANCISCO—Bakery, 2 story and base, brick, \$41,000. Architect, D. C. Coleman, Merchants' National Bank Bldg., S. F. Owners, Langendorf Bakery Co. The building will be erected on the north side of McAllister street east of Fillmore and will have a frontage of 55 feet by a depth of 137½ feet. Front portion of the building will be fitted up for a retail store. There will be a large amount of special machinery installed. Interior finish will be of pine throughout. Exterior will be faced with stock brick. Plans are complete and figures will be called for shortly.

FLATS.

SAN FRANCISCO—Flats, 2, 2 story and base, frame, \$4,000 each. Architect, H. E. Harris, Monadnock Bldg., S. F. Owner, C. A. Rushton, 714 9th avenue, S. F. These buildings will be erected on adjoining property on the west side of 9th avenue south of Cabrillo, each covering an area of 25 by 60 feet. Interiors will be arranged for two modern flats of five and six rooms. Interior finish will be of pine and redwood with some elm panes. Hardwood floors will be used in the living and dining rooms. There will be open fire places and tile or brick mantels. Tile wainscot will be used in the bath rooms. Exteriors will be covered with rustic and cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor. Materials are now being purchased.

SAN FRANCISCO—Flats, 2 story and base, frame, \$5,000. Architect, none. Owner, Fred Roettger, 272 12th avenue, S. F. The building will be erected on the east side of 24th avenue north of California street and has been designed to contain two modern flats of five and six rooms. Interiors will be finished in pine and hardwood veneer. Hardwood floors will be used in the living and dining rooms. There will be open fire places and tile or brick mantels. Bath rooms will be finished in tile. Automatic water heaters will be installed. Exterior of the building will be covered with rustic and cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor. Materials are now being purchased.

GARAGES.

SAN FRANCISCO — Garage alteration, reinforced concrete, \$10,000. Architect, Phillip Schwerdt, 726 Clement street, S. F. Owner, William Rayhill, 627 Haight street. This work will consist of remodeling the present stable building into a structure suitable for a garage. The new building will have to be fireproof in accordance with the Building Laws. Plans are complete and now out for figures.

SACRAMENTO, CAL. — Garage, 1 story, corrugated iron and frame, \$1,200. Architect, none. Owner, S. A. McDougall, 2712 1st avenue, Sacramento. The building will be erected on 21st street and has been designed for a commercial garage. No interior finish will be used. Exterior will be covered with corrugated iron. Plans are in the hands of the owner and the work will be done by Day Labor.

OAKLAND, CAL. — Garage, 1 story and base. Class A construction, \$14,000. Architects, Oliver & Thomas, Pantages Theatre Bldg., Oakland. Owners, Sommarstrom Bros. The building will be designed for a commercial garage and will be erected on the east side of 21st street near 1st avenue. Interior will be finished in pine. A cement floor and special gasoline storage tanks are specified. Exterior of the building will be faced with pressed brick. Plans are now being prepared and when complete the work will be done by Day Labor.

GOVERNMENT WORK & SUPPLIES.

Bozeman, Mont., Construction.

The following bids were received by the supervising architect, Treasury Department, Washington, D. C., for the construction, including plumbing, gas piping, heating apparatus, electric conduit and wiring, interior lighting fixtures, and approaches of the U. S. post office at Bozeman, Mont.:

- Bid 1. John Almeter, Portland, Ore.
2. Leigland, Kleppe & Co., Great Falls, Mont.
3. Olson & Johnson Co., Missoula, Mont.
4. Hiram-Lloyd Building and Construction Co., Odd Fellows' Building, St. Louis, Mo.
5. Reynolds, Sypher & Shackleton, Butte, Mont.
6. Wm. O'Neil & Son Co., Fairbault, Minn.
7. Wm. H. Egan, 147 E. 125th street, New York City.
8. Leveque, Felsheim & Beverly, Bozeman, Mont.
9. H. E. Doering, Portland, Ore.

Proposal No. 1 (using limestone for all exterior stonework as indicated on drawings Nos. 100, 101, and 102, except where granite is required)—Bid 1, \$65,900; 2, \$65,000; 3, \$61,475; 4, \$68,469; 5, \$65,990; 6, \$69,804; 7, \$66,333; 9, \$66,291.

Proposal No. 2 (using sandstone for all exterior stonework as indicated on drawings Nos. 100, 101, and 102, except where granite is required)—Bid 1, \$67,000; 2, \$66,175; 3, \$62,750; 4, \$70,469; 5, \$67,190; 6, \$73,713; 7, \$67,733; 9, \$67,740.

Proposal No. 3 (using limestone for all exterior stonework as indicated by the revised elevation on drawing No. 104, except where granite is required)—Bid 1, \$62,300; 2, \$61,735; 3, \$61,195; 4,

\$61,469; 5, \$62,165; 6, \$67,413; 7, \$61,561; 9, \$60,710.

Proposal No. 4 (using sandstone for all exterior stonework as indicated by the revised elevation on drawing No. 104, except where granite is required)—Bid 1, \$62,400; 2, \$61,736; 3, \$58,490; 4, \$65,469; 5, \$62,165; 6, \$70,713; 7, \$61,848; 8, \$62,976; 9, \$61,220.

For alternate No. 1—Omit.

For alternate No. 2 (painting all plastered surfaces of walls and finishing ceilings in distemper as specified), add—Bid 1, \$650; 2, \$3,000; 3, \$1,400; 4, \$2,000; 5, \$2,612; 6, \$2,000; 7, \$1,700; 8, \$3,500; 9, \$1,600.

For alternate No. 3 (substituting rough surface face brick for the selected common brick above the first floor level as specified), add to proposals 1 or 2—Bid 1, \$1,200; 2, \$750; 3, \$985; 4, \$800; 5, \$1,440; 6, \$1,000; 7, \$900; 9, \$1,160.

Add to proposals 3 or 4—Bid 1, \$1,200; 2, \$850; 3, \$1,185; 4, \$1,000; 5, \$1,440; 7, \$940; 8, \$1,121; 9, \$1,220.

For alternate 4X (substituting terrazzo for the marble borders and strips in the public lobby, as specified), deduct—Bid 1, \$100; 2, no change; 3, \$300; 4, \$100; 5, \$45; 6, \$140; 7, \$34; 8, \$350; 9, \$180.

For alternate 5X (omission of window and door screens, as specified), deduct—Bid 1, \$300; 2, \$375; 3, \$250; 4, \$350; 5, \$375; 6, \$350; 7, \$200; 8, \$225; 9, \$350.

For alternate 6X (substituting tin for copper in connection with the high cornice and parapet, as specified), deduct—Bid 1, \$330; 2, \$200; 3, \$65; 4, \$250; 5, \$315; 6, \$150; 7, \$250; 8, \$320; 9, \$230.

Amount included in the proposal for all work specified under "lighting fixtures"—Bid 1, \$1,200; 2, \$750; 3, \$680; 4, \$600; 5, \$530; 6, \$800; 7, \$560; 8, \$650; 9, \$545.

Idaho Falls, Idaho, Post Office.

As previously reported the contract for the construction of the U. S. post office at Idaho Falls, Idaho, was awarded to the Sound Construction Co., Seattle, Wash., at \$86,199. In the construction of the building fixtures and material manufactured by the following named firms will be used: Plumbing fixtures, Crane Co.; cast iron column and wall radiators, American Radiator Co.; non-conducting coverings, Johns-Manville Co.; radiator valves, Crane Co.; damper regulators, American Radiator Co.; air valves for radiators, American Radiator Co.; air valves for end of steam mains, Jenkins Bros.; conduit, American Conduit Co.; cabinet and tablet, Agutta-Griswold Co.; rubber-covered wire, Roebling's; lighting fixtures, Mitchell-Vance Co.; plug receptacles, General Electric Co.; glassware, Macbeth-Evans Co.; reflectors, Holaphane; flush switches, Hart Mfg. Co.; canopy switches, Cutler-Hammer Mfg. Co.; keyless sockets, Weber; pendant switches, Cutler-Hammer.

The contract for the construction of Navajo Indian Reservation, Highway Bridge.

a steel highway bridge across the Moencopi Wash, Western Navajo Indian reservation, Ariz., has been awarded to the Pueblo Bridge Co., Pueblo, Colo., at \$3,061 for the substructure and to the Joliet Bridge and

Iron Co., Joliet, Ill., at \$2,680 for the superstructure.

Reclamation Service, Hoist.

The following bids were received by the chief engineer, U. S. Reclamation Service, Washington, D. C., for furnishing one 44-ton hoist for 60-foot roller, Grand River diversion dam, Grand Valley project, Colorado:

American Hoist and Derrick Co., St. Paul, Minn., \$1,982; delivery St. Paul; time, March 18; weight, 22,200 lbs.

Niles-Bement-Pond Co., 111 Broadway, New York City, \$5,400; delivery Philadelphia, Pa.; May 17; 35,000 lbs.

Link Belt Co., Chicago, Ill., \$1,600; delivery f. o. b. Chicago; time, March 12; weight, \$18,600 lbs.

Hinman Hydraulic Manufacturing Co., Denver, Colo., \$2,185; delivery Denver, Colo.; time, May 1; weight, 18,000 lbs; this bid was a telegraphic bid and is informal.

Swing Bridges.

Contract for furnishing 8 steel swing bridges for Dallas-Callilo Canal has been awarded to Cowlitz Bridge Co., of Portland, Ore., at \$15,863.36.

Metal Flume.

The following is an abstract of the bids received at the office of the Reclamation Service, Powell, Wyo., for metal flume, lateral A extension, Shoshone project, specification No. 379:

Bid 1. The Colorado Culvert and Flume Co., 408 E 8th street, Pueblo, Colo., f. o. b. Pueblo, Colo.; Vesmere pure iron.

2. Enterprise Sheet Metal Works, Inc., 3009 Montana avenue, Billings, Mont.; f. o. b. Billings, Mont.; Toncon metal.

3. Klauer Mfg. Co., Dubuque, Iowa; f. o. b. Dubuque, Iowa; 18 and 20 Ga. galvanized iron.

4. The R. Hardesty Mfg. Co., 18th and Market streets, Denver, Colo.; f. o. b. Denver; American ingot iron sheets.

5. Ed. Jenkin, Bridger, Mont.; f. o. b. Bridger, Mont.

6. The Hinman Hydraulic Mfg. Co., 1400 W. Colfax avenue, Denver, Colo.; f. o. b. Denver, Colo.; will accept items 1 or 3 alone.

7. The Hess Flume Co., 2166 15th street, Denver, Colo.; f. o. b. Canton; Toncon metal.

8. The Hess Flume Co.; f. o. b. Denver, Colo.; Toncon metal.

9. The Hess Flume Co.; f. o. b. Chicago, Ill.; Keystone metal.

10. The Hess Flume Co., f. o. b. Denver, Colo.; Keystone metal.

Item 1. Flume 2 ft 6½ ins diameter, without curve—Bid 1, 55c per lin ft; 2, 90c; 3, 58.5c; 4, 50c; 5, 73c; 6, 53c; 7, 46c; 8, 52c; 9, 40c; 10, 44c.

Item 2. Flume, 3 ft 2½ ins diameter, without curve—Bid 1, 65c; 2, \$1.10; 3, 77c; 4, 60c; 5, 87c; 6, 66c; 7, 57c; 8, 65c; 9, 50c; 10, 55c.

Item 3. Flume, 5 ft 1 in diameter, partly on curves—Bid 1, \$1.10; 2, \$1.90; 3, \$1.49; 4, \$1.24; 5, \$1.59; 6, \$1.45; 7, \$1.11; 8, \$1.30; 9, \$1; 10, \$1.10.

Item 4. Flume, 5 ft 8¼ ins diameter, without curves—Bid 1, \$1.15; 2, \$2.25; 3, \$1.84; 4, \$1.40; 5, \$1.89; 6, \$2.76; 7, \$1.35; 8, \$1.50; 9, \$1.20; 10, \$1.30.

Total at f. o. b. point—Bid 1, \$1,033.23; 2, \$1,760.28; 3, \$1,315.04; 4, \$1,097.54; 5, \$1,458.52; 6, \$1,262; 7, \$1,010.77; 8, \$1,150.05; 9, \$885; 10, \$973.35.

Pablo Laterals.

The following bids were received by the U. S. Reclamation Service, Ignatius, Mont., for structures, Pablo Laterals A and 31-A and sublaterals, specifications No. 288.

Bid 1. Miracle Construction Co., Kallispell, Mont.

2. Wilson Bros., Polson, Mont.

3. A. L. Markhus, Polson, Mont.

4. Municipal Construction Co., Helena, Mont.

Schedule No. 1.

Item 1. 2,800 cu yds excavation, class 1—Bid 1, 24c; 2, 81c; 3, 70c; 4, \$1.
2. 160 cu yds excavation, class 2—Bid 1, 78c; 2, \$1.12; 3, 30c; 4, \$2.
3. 30 cu yds excavation, class 3—Bid 1, \$1.50; 2, \$2.15; 3, \$1.80; 4, \$4.
4. 150 cu yds puddling—Bid 1, 60c; 2, 75c; 3, 55c; 4, \$2.25.
5. 370 cu yds concrete—Bid 1, \$11; 2, \$15; 3, \$21.90; 4, \$2.25.
6. 32,500 lbs placing reinforcing steel—Bid 1, 2c; 2, 4c; 3, 2c; 4, 3c.
7. 620 sq yds grouted paving, 18-in—Bid 1, \$2.50; 2, \$2.60; 3, \$2.95; 4, \$1.50.
8. 160 sq yds grouted paving, 12-in—Bid 1, \$2.50; 2, \$2; 3, \$1.80; 4, \$1.
9. 240 sq yds dry paving—Bid 1, \$1.75; 2, \$2; 3, \$1; 4, 85c.
Total schedule 1—Bid 1, \$8,351; 2, \$11,951; 3, \$13,310.50; 4, \$9,996.50.

Schedule No. 2.

10. 4,100 cu yds excavation, class 1—Bid 1, 24c; 2, 80c; 3, \$90c.
11. 150 cu yds excavation, class 2—Bid 1, 78c; 2, \$1.37; 3, 30c.
12. 50 cu yds excavation, class 3—Bid 1, \$1.50; 2, \$2; 3, \$1.80.
13. 700 cu yds puddling—Bid 1, 75c; 2, 70c; 3, 55c.
14. 450 cu yds concrete—Bid 1, \$12; 2, \$17; 3, \$26.50.
15. 28,000 lbs placing reinforcing steel—Bid 1, 2c; 2, 3c; 3, 2c.
16. 200 lbs erecting structural steel—Bid 1, 3c; 2, 6c; 3, 10c.
17. 1,575 sq yds grouted paving, 12-in—Bid 1, \$2.25; 2, \$2; 3, \$2.33.
18. 1,000 sq yds dry paving—Bid 1, \$1.75; 2, \$1.85; 3, \$1.70.
19. 410 lin ft manufacturing and laying 12-in concrete pipe—Bid 1, 75c; 2, \$1.50; 3, \$1.05.
20. 220 lin ft do, 18-in—Bid 1, \$1.75; 2, \$1.60; 3, \$1.39.
21. 410 lin ft do, 24-in—Bid 1, \$1.75; 2, \$1.85; 3, \$1.93.
22. 300 lin ft do, 30-in—Bid 1, \$3; 2, \$5.80; 3, \$4.45.
Total schedule 2—Bid 1, \$15,149.75; 2, \$21,043; 3, \$24,947.35.

Schedule No. 3.

23. 1,750 cu yds excavation, class 1—Bid 1, 24c; 2, \$1; 3, \$1.05; 4, \$1.50.
24. 100 cu yds excavation, class 2—Bid 1, 78c; 2, \$1.50; 3, 30c; 4, \$2.75.
25. 50 cu yds excavation, class 3—Bid 1, \$2; 2, \$2.25; 3, \$1.80; 4, \$5.
26. 300 cu yds puddling—Bid 1, 75c; 2, 75c; 3, 55c; 4, \$4.
27. 220 cu yds concrete—Bid 1, \$12; 2, \$19; 3, \$26.90; 4, \$15.
28. 13,000 lbs placing reinforcing steel—Bid 1, 2c; 2, 4c; 3, 2c; 4, 3c.
29. 760 sq yds grouted paving, 18-in—Bid 1, \$2.25; 2, \$2.60; 3, \$2.95; 4, \$2.
30. 160 sq yds do, 12-in—Bid 1, \$2; 2, \$2.10; 3, \$2.20; 4, \$1.50.
31. 760 sq yds dry paving—Bid 1, \$1.75; 2, \$2; 3, \$1.50; 4, \$1.30.
32. 380 lin ft manufacturing and laying 12-in concrete pipe—Bid 1, 75c; 2, \$1.40; 3, \$1.05; 4, 35c.
33. 100 lin ft do, 18-in—Bid 1, \$1.40; 2, \$1.75; 3, \$1.39; 4, 50c.

34. 60 lin ft do, 24-in—Bid 1, \$24; 2, \$2; 3, \$1.93; 4, 70c.
35. 120 lin ft do, 30-in—Bid 1, \$3; 2, \$5; 3, \$4.45; 4, \$1.60.
Total schedule 3—Bid 1, \$7,883; 2, \$12,076.50; 3, \$13,133.50; 4, \$11,127.

La Junta, Colo., Construction.

The following bids were received by the supervising architect, Treasury Department, Washington, D. C., for the construction, including plumbing, gas piping, heating apparatus, electric conduits and wiring, interior lighting fixtures, and approaches of the U. S. post office at La Junta, Colo.:

Bid 1. Wm. O'Neil & Son Co., Fairbault, Minn.

2. John Lof & Co., Omaha, Neb.

3. Dieter & Wenzel Construction Co., Wichita, Kans.

4. Hiram-Lloyd Building and Construction Co., St. Louis, Mo.

5. George W. Stiles Construction Co., Rookery Building, Chicago, Ill.

For using limestone for all stonework, except where granite is specified—Bid 1, \$82.197; 2, \$84.062; 3, \$86.225; 4, \$76.537; 5, \$75.834.

For using sandstone for all stonework, except where granite is specified—Bid 4, \$76.937.

Alternate No. 1. Substituting terrazzo for the cement panels in the loggia floor—Bid 1, \$125; 2, \$130; 3, \$165; 4, \$100; 5, \$150.

Alternate No. 2. Substituting wood stairs for the stairways in stair hall and to the swing room; wood flooring thresholds, base, etc., for terrazzo floor; marble base thresholds, etc., in second story corridor—Bid 1, \$1,400; 2, \$1,200; 3, \$1,030; 4, \$1,100; 5, \$1,300.

Alternate No. 3. Omitting composition ornament from the soffit of the main cornice and substituting plain panels for the ornamental stucco panels in the cornice frieze—Bid 1, \$500; 2, \$253; 3, \$300; 4, \$300; 5, \$290.

Alternate No. 4. Painting and sheeting of certain additional plaster surfaces—Bid 1, \$1,650; 2, \$165; 3, \$1,500; 4, \$1,500; 5, \$1,430.

Alternate No. 5. Substituting Keene's cement plastering for certain hard plaster—Bid 1, \$650; 2, \$250; 3, \$820; 4, \$1,000; 5, \$750.

Amount included in the proposal for furnishing and installing all interior lighting fixtures—Bid 1, \$650; 2, \$997; 3, \$700; 4, \$700; 5, \$700.

Portland, Ore., Repairs.

The following bids were received by the custodian, U. S. custom-house, Portland, Ore., recently for repairs at the U. S. custom-house at Portland, Ore.:

W. P. Arthur & Co., Portland, Ore., \$1,360; 45 days.

N. M. Hall, Portland, Ore., \$1,546; 50 days.

Edward J. Barrett, Portland, Ore., \$1,562; 50 days.

J. D. Tresham, Portland, Ore., \$1,640; 60 days.

Findley & Jacobson, Portland, Ore., \$1,800; 35 days.

High Line Canal.

The Reclamation Service is asking for proposals for construction on the high line canal, Strawberry Valley irrigation project, Utah. The work involves the excavation of 158,000 cubic yards of material, the placing of 7,000 yards of concrete, and other items. The

bids will be opened at the office of the Reclamation Service at Provo, Utah, on February 3, 1915.

Flue Gas Recorder.

The bid of the Wilson Equipment Co., 95 Liberty street, New York City, has been accepted for furnishing flue gas recorder for the naval hospital heating plant, Mare Island, Cal.

Pearl Harbor, Locomotive.

The bid of the H. K. Porter Co., of Pittsburgh, Pa., \$3,965 in amount, has been accepted for furnishing one narrow-gauge saddle tank switching locomotive for Pearl Harbor.

Presidio, San Francisco, Rostrum.

The contract for the construction of a rostrum for the national cemetery, Presidio, San Francisco, Cal., has been awarded to R. Ehrhart of San Francisco, Cal., at \$5,832.

HALLS AND SOCIETY BUILDINGS.

OAKLAND, CAL.—Canoe club house, 1 story, reinforced concrete, \$10,000. Architect, Walter D. Reed, Oakland Bank of Savings, Oakland. Owners, City of Oakland. The building will be erected on the north shore of Lake Merritt and has been designed in the Mission style. Practically the entire building will be arranged for the storage of canoes. There will be an office and retiring room. Interior finish will be of pine. Exterior of the building will be faced with cement plaster. A clay tile roof will be used. Plans are nearly complete and figures will be called for shortly. Further mention will be made of the work.

SAN FRANCISCO—Women's gymnasium, 2 story and base. Class C construction, \$40,000. Architects, Bliss & Faville, Balboa Bldg., S. F. Owners, San Francisco Women's Athletic Association. The building is to be erected on a lot now under option of purchase, located on Suttter street. Preliminary plans only have been prepared. The building will contain, besides a thoroughly equipped gymnasium, offices, reading rooms and lunch rooms. Interior finish will be of pine and hardwood. There will be steam heat and special equipment. Exterior of the building will be faced with pressed brick. Plans are now being prepared. Further mention will be made of the work.

HOSPITALS.

SAN FRANCISCO—Hospital pathological ward, 2 story and base. Class A construction. Cost not stated. Architects, Righetti & Headman, now dissolved. Owners, City and County of San Francisco. At the Monday meeting of the Board of Public Works bids for the construction of the Pathological Ward and garage building to be erected at the San Francisco Hospital were rejected. James L. McLaughlin, 244 Kearny street, was the low bidder at \$78,990. John J. Leonard was second low at \$83,668 and Alfred Kohn third low at \$86,000. The building was designed by Architects Righetti & Headman before the dissolution, and is a two-story and basement brick and steel structure. Figures will probably be called for shortly.

SAN FRANCISCO—Hospital altera-

tion. Cost not stated. Architects, Bakewell & Brown, 251 Kearny street, S. F. Owners, Leland Stanford, Jr., University. The fourth floor of the hospital building at the corner of Clay and Webster streets is to be altered. The work will require new interior partitions, plastering, interior finish, plumbing, painting and electric work. The contract may be included with that for the construction of a four-story addition. Plans are now out for figures.

SAN FRANCISCO—Hospital refrigerating plant. Cost not stated. Engineers, City Department of Engineering, Temporary City Hall Bldg., S. F. Owners, City and County of San Francisco. Bids for furnishing and installing a refrigerating plant in the Isolation Hospital have been rejected. The difference between the highest and lowest bids was but \$34. Bids will be readvertised.

HOTELS.

FRESNO, FRESNO CO., CAL.—Hotel, 2 story and base, brick and steel. Cost not stated. Architect, R. F. Felchlin, Fresno. Owners, Goodwin Estate. The building will be erected on J street and has been designed to carry two additional stories. There will be stores on the ground floor besides the hotel lobby. Upper floor will contain a number of hotel rooms and baths. Interior finish will be of pine throughout. Bath rooms will be finished in tile. There will be a hot water system and steam heat. Exterior of the building will be faced with pressed brick. Plans are complete and figures will be called for at once.

LIBRARIES.

SAN FRANCISCO—Library, 2 story and base. Class A construction, \$40,000. Architect, G. Albert Lansburgh, 709 Mission street, S. F. Owners, City and County of San Francisco. The building will be known as the Mission Branch and will be erected at the corner of 24th and Bartlett streets. The design is in the classic style. There will be two large main reading rooms, and a juvenile department. Interior finish will be of pine and hardwood. Maple and tile floors will be used. There will be steam heat and a vacuum cleaning system. Metal book stacks are specified. Exterior of the building will be faced with pressed brick and terra cotta. Plans are complete and have been approved. Bids are now being taken and will be opened by the Board of Library Trustees on January 25th. Plans and specifications can be secured from the architect.

WILLITS, MENDOCINO CO., CAL.—Library, 1 story and base, brick, \$10,000. Architect, Tobias Bearwald, Merchants' National Bank Bldg., S. F. Owners, Town of Willits. The building will contain one large, main reading room, office of the librarian and a lecture room. Interior will be finished in natural redwood with a maple floor. There will be steam heat. Metal book stacks are specified. Exterior of the building will be faced with pressed brick. A clay tile or slate roof will be used. Plans are now being prepared. Further mention will be made of the work when plans are out for figures.

PANAMA-PACIFIC EXPOSITION WORK.

SAN FRANCISCO—Alameda County exhibit, \$3,500. Architect, C. W. Dickey, Central Bank Bldg., Oakland. Owners, Alameda County. The architect has prepared plans for a novel feature which will be part of Alameda County's display at the Panama-Pacific International Exposition. This will consist of a large wheel, twenty feet in diameter, containing models of the Oakland City Hall, the Greek Theatre, hills and the conventional street and wharves. The spokes of the wheel will represent the various railroad lines entering Oakland, while the sectors will be filled with landscape work, farms and factories. Outside of the wheel there will be three tracks with trains in motion, semaphores and semaphores in operation.

RAILROAD CONSTRUCTION AND EQUIPMENT.

SAN FRANCISCO—Municipal car barns addition, 1 story, reinforced concrete. Cost not stated. Architect, City Department of Architecture, Temporary City Hall, S. F. Owners, City and County of San Francisco. The Board of Public Works has notified the Department of Architecture to complete plans and specifications for the second story of the Municipal Car Barns, to be erected on the property bounded by 18th, York, Mariposa and Hampshire streets. The new portion of the building will house the offices and some parts of the repair shops. Exterior will be faced with cement plaster. Plans are now being prepared.

MARTINEZ, CONTRA COSTA CO., CAL.—Spur track construction. Cost not stated. Engineer, Engineering Department Southern Pacific Co., Flood Bldg., S. F. Owners, Southern Pacific Co. Materials are now on the ground and a crew of surveyors and road workers have started work on the laying of 4,560 feet of spur track for the Southern Pacific Company through the Shell property. The work will be completed in about two months.

BAKERSFIELD, KERN CO., CAL.—Car line extension. Cost not stated. Engineer, E. A. Wishon, Fresno. Owners, San Joaquin Power Co., Fresno. An extension of the Chester avenue car line through West Park and south on C street to the south limit of the city is a possibility, and the property owners in that section have taken up with E. A. Wishon of the San Joaquin Power Co. Wishon approves the plan to make this improvement provided the property owners would give a bonus. More information will be rendered the property owners when Wishon returns to Bakersfield from Fresno.

THE DALLES, ORE.—Railroad terminal, reinforced concrete construction, \$140,000. Engineer, Engineering Department O.-W. R. & N. Co., Portland. Owners, Oregon-Washington Railroad and Navigation Co. Construction of the proposed terminals to be built by the O.-W. R. & N. Co. at The Dalles and Pendleton, Ore., will be started early this spring, according to statements by the engineering department of the company. The build-

ings to be erected at The Dalles will cost \$140,000, and will include a modern fireproof roundhouse to accommodate 30 engines, a coaling station with a 150-ton capacity and several one-story structures. J. P. O'Brien is general manager of the company.

RESIDENCES.

SAN FRANCISCO—Residence, 2 story and base, frame, \$3,000. Architect, none. Owner, Emil Nelson, 244 Rivoli street, S. F. The dwelling will be erected on the west side of 26th avenue, north of Clement, and has been designed for a six-room house with bath and sleeping porch. Interior will be finished in pine and hardwood. Hardwood floors will be used in the living and dining rooms. There will be open fire places and tile or brick mantels. Bath room will have tile wainscot and floor. An automatic water heater will be installed. Exterior of the house will be covered with rustic and cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor. Materials are now being purchased.

SAN FRANCISCO—Residence, 2 story and base, frame, \$3,000. Architect, none. Owners, George F. and Lucy L. Cleese, 624 27th avenue, S. F. The dwelling has been designed for a five-room house with garage in basement, and will be erected on the east side of 24th avenue south of Anza street. Interior will be finished in pine, redwood and hardwood. Some white enamel will be used in the bed rooms. There will be hardwood floors. Furnace heat is specified. Bath room will have tile floor and wainscot. An automatic water heater will be installed. There will be open fire places and tile or brick mantels. Exterior of the house will be covered with rustic and cement plaster on metal lath. Plans are complete and in the hands of the owners who will do the work by Day Labor. Materials are now being purchased.

SAN FRANCISCO—Residence, 2 story and base, frame, \$2,500. Architect, none. Owners, Johnson & Johnson, 818 19th avenue, S. F. The dwelling has been designed for a six-room house with bath and sleeping porch, and will be erected on the east side of 21st avenue south of Geary street. Interior will be finished in pine and hardwood. Hardwood floors will be used in the living and dining rooms and reception hall. There will be open fire places and tile or brick mantels. Bath room will have tile wainscot and floor. An automatic water heater will be installed. Exterior of the building will be covered with rustic and cement plaster on metal lath. Plans are complete and in the hands of the owners who will do the work by Day Labor. Materials are now being purchased.

OAKLAND, CAL.—Residence, 2 story and base, frame, \$4,000. Architect, Olin S. Grove, 2911 Telegraph avenue, Berkeley. Owner, E. A. Janssen. The dwelling will be erected on Perkins street and has been designed for a seven-room house with bath and sleeping porch. Interior finish will be of pine, redwood and white enamel. Hardwood floors will be used in the living and dining rooms and reception hall. There will be furnace heat and open fire places. Mantels will be of tile or brick. Bath room will have tile wain-

scot and floor. An automatic water heater will be installed. Exterior of the house will be covered with rustic and cement plaster on metal lath. Plans are now being prepared and when complete the work will be done by Day Labor.

BERKELEY, ALAMEDA CO., CAL.—Residence, 2 story and base, frame, \$4,000. Architect, H. P. Smith, Blake Bldg., Oakland. Owner, P. O. Boyd, Key Route Inn. The dwelling will be erected on the north side of Eton Court near Claremont avenue, and has been designed for a seven-room house with bath and sleeping porch. Interior will be finished in pine, redwood and hardwood. Hardwood floors will be used in the living and dining rooms and reception hall. Plans include furnace heat and open fire places. Mantels will be of tile or brick. An automatic water heater will be installed. Tile wainscot and floor will be used in the bath room. Exterior of the house will be covered with cement plaster on metal lath. Plans are complete and the work will be done by Day Labor under the direction of the architect.

OAKLAND, CAL.—Residence, 2 story, attic and base, frame, \$15,000. Architect, Chester H. Miller, Dalziel Bldg., Oakland. Owner's name withheld. The dwelling will be erected in Crocker Highlands and has been designed for a ten-room house with two baths and sleeping porches. Interior finish will be of pine, redwood and hardwoods. White enamel will be used in the bed rooms. There will be a central heating system, probably furnace heat, and open fire places. Mantels will be of tile or brick. Bath rooms will be finished in tile and equipped with showers. An automatic water heater will be installed. Exterior of the dwelling will be covered with cement plaster on metal lath. A separate garage will be erected on the property. Plans are now being prepared.

BERKELEY, ALAMEDA CO., CAL.—Residence, 2 story and base, frame, \$5,000. Architect, Olin S. Grove, 2911 Telegraph avenue, Berkeley. Owner, M. T. Bright. The dwelling will be erected on Woolsey street and has been designed to contain eight rooms, bath and sleeping porch. Interior will be finished in pine, redwood and hardwood. Some white enamel will be used in the bed rooms. Hardwood floors will be used in the living room, dining room and reception hall. Plans provide for furnace heat and open fire places. Mantels will be of tile or brick. Bath room will have tile floor and wainscot. An automatic water heater will be installed. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are now being prepared.

OAKLAND, CAL.—Residence, 2 story and base, frame. Cost not stated. Architect, John Hudson Thomas, First National Bank Bldg., Berkeley. Owner, C. S. Cherry. The dwelling will be erected in Rockridge Park and has been designed for a seven-room house with bath and sleeping porch. Interior finish will be of pine and hardwood veneer. Hardwood floors will be used in the living room, dining room and reception hall. Plans provide for furnace heat and open fire places. Mantels will be of tile or brick. An automatic water heater will be installed. Bath room will have tile floor and wainscot. Exterior of the house will be covered with

cement plaster on metal lath. Plans are now being prepared.

BERKELEY, ALAMEDA CO., CAL.—Residence, 2 story and base, frame. Cost not stated. Architect, Henry H. Gutterson, 60 Post street, S. F. Owner, Charles M. Dutton. The dwelling has been designed for an eight-room dwelling and will be erected in Claremont. There will be two baths and sleeping porch. Interior finish will be of pine, redwood and white enamel. Hardwood floors will be used throughout the first story. Plans provide for furnace heat and open fire places. Mantels will be of tile or brick. Bath room will have tile floor and wainscot. An automatic water heater is specified. Exterior of the house will be covered with cement plaster on metal lath. Plans are complete and figures are now being taken.

SACRAMENTO, CAL.—Residence, 1 story and base, frame, \$2,500. Architect, none. Owner, David Hill, 1719 29th street, Sacramento. The dwelling has been designed for a six-room house and will be erected on T street between 34th and 35th streets. Interior finish will be of pine and redwood. Some hardwood floors will be used. There will be an open fire place in the living room with tile or brick mantel. Tile wainscot will be used in the kitchen and bath room. Exterior of the dwelling will be covered with rustic and cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor. Materials are now being purchased.

LOS ALTOS, SANTA CLARA CO., CAL.—Residence, 2 story and base, frame. Cost not stated. Architect, John Hudson Thomas, First National Bank Bldg., Berkeley. Owner, Edward J. McCutchen. The dwelling has been designed for a ten-room house with three baths and sleeping porch. A garage will also be erected on the property. Interior of the dwelling will be finished in pine, redwood, hardwood and white enamel. Hardwood floors will be used in the principal rooms. There will be a central heating system and open fire places. Mantels will be of tile or brick. Bath rooms will have tile floors and wainscot and will be equipped with showers. An automatic water heater will be installed. Exterior of both the dwelling and garage will be covered with cement plaster on metal lath. Plans are now being prepared.

SAN FRANCISCO—Residences, 2, 2 story and base, brick and frame, \$12,000 each. Architects, Cunningham & Politeo, First National Bank Bldg., S. F. Owner, Dr. James W. Edwards. These two houses will be erected on property at the corner of Presidio avenue and Jackson street, and each has been designed to contain eight rooms, three baths and sleeping porches. Interiors will be finished in pine, redwood, hardwood and white enamel. Hardwood floors will be used in the principal rooms. There will be furnace heat and open fire places. Mantels will be of tile and brick. Bath rooms will be finished in tile. A hot water system will be installed. Exteriors will be covered with cement plaster. Plans are complete and figures are being taken.

SAN FRANCISCO — Residence, 2 story, attic and base, frame. Cost not stated. Architect, Henry Shermund,

Mills Bldg., S. F. Owner, Sol Bibb. The dwelling will be erected on the east side of 20th avenue near Lake street, and has been designed to contain eight rooms, two baths and sleeping porch. Interior finish will be of pine and white enamel. Hardwood floors will be used throughout the first floor and in the principal bed rooms. There will be furnace heat and open fire places. Mantels will be of tile. An automatic water heater will be installed. Bath rooms will have tile floors and wainscot. Exterior of the house will be covered with cement plaster on metal lath. Plans are complete and figures are now being taken.

BERKELEY, ALAMEDA CO., CAL.—Residence, 2 story and base, frame, Block, Oakland. Owner, A. E. Webb, \$4,500. Architect, H. P. Smith, Blake Bldg. The dwelling will be erected in Boyd Court and has been designed for a seven-room house with bath and sleeping porch. Interior finish will be of pine, redwood and white enamel. Hardwood floors will be used in the living room, dining room and reception hall. There will be furnace heat and open fire places. Mantels will be of tile or brick. Bath room will have tile wainscot and composition floor. An automatic water heater will be installed. Exterior of the building will be covered with cement plaster on metal lath. Plans are now being prepared.

BERKELEY, ALAMEDA CO., CAL.—Residence, 1 story and base, frame, \$3,000. Architect, none. Owner, H. C. Prang, 5359 Shafter avenue, Oakland. The dwelling will be erected on Stuart street west of Ellsworth, and has been designed for a seven-room house with bath and sleeping porch. Interior will be finished in pine and redwood with white enamel in the bed rooms. There will be hardwood floors in the principal rooms. Plans provide for furnace heat and open fire places. Mantels will be of tile or brick. Bath room will have tile floor and wainscot. An automatic water heater will be installed. Exterior of the house will be covered with cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor. Materials are now being purchased.

RIVERSIDE, RIVERSIDE CO., CAL.—Bungalows, 10, 1 story and base, frame, \$3,000 each. Architect, none. Owner, Albert Schliem, Riverside. Albert Schliem will start the construction of ten bungalows in the High Palm Tract on February 1st. C. W. Johnson and J. C. Odell, of the People's Loan and Trust Company of Riverside, are backing the project. The buildings will be of one story, frame construction and will contain from five to seven rooms. They will cost in the neighborhood of \$3,000 each.

WOODLAND, YOLO CO., CAL.—Residence, 2 story and base, frame, \$5,000. Architect, Sidney B. Newsom, Nevada Bank Bldg., S. F. Owner, A. L. Lowe, Woodland. The dwelling will contain nine rooms and bath. Interior finish will be of pine throughout. Some hardwood floors will be used. There will be furnace heat and open fire places. Mantels will be of tile. Tile wainscot will be used in the bath room and kitchen. Exterior of the house will be covered with cement plaster on metal lath. Plans are complete and in the hands of the owner who will let segregated contracts.

MARYSVILLE, YUBA CO., CAL.—Ranch house, 1 story and base, frame. Cost not stated. Architect, Sidney B. Newsom, Nevada Bank Bldg., S. F. Owners, Buckingham & Valentine. The building will contain eleven rooms, three baths and sleeping porches. Interior will be finished in pine and redwood. There will be six large open fire places. Mantels will be of brick. Exterior of the house will be covered with shingles. Plans are complete and in the hands of the owners who will do the work by Day Labor.

SACRAMENTO, CAL.—Residence, 2 story and base, frame, \$3,000. Architect, none. Owner, N. J. Feagan, 2204 3rd avenue, Sacramento. The dwelling has been designed for a seven-room house and will be erected on 3rd avenue. Interior finish will be of pine and redwood. Hardwood floors will be used in the living and dining rooms. There will be open fire places and tile or brick mantels. Tile wainscot will be used in the bath room. Exterior of the house will be covered with rustic and cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor. Materials are now being purchased.

Contracts Awarded.

SAN FRANCISCO — Residence, 2 story, attic and base, frame and plaster, \$23,000. Architect, Henry C. Smith, Humboldt Bank Bldg., S. F. Owner, Mrs. Clarence Musto. Contractors, Thevia & Pasqualetti, Humboldt Bank Bldg., S. F. Contract price, \$23,000.

SEWERS, STREET WORK & WATER SYSTEMS.

BIGGS, BUTTE CO., CAL.—Pumping plant, \$10,000. Engineer, none. Owner, W. R. Spence, Biggs. W. R. Spence, who recently purchased 640 acres of rice land here, will commence work immediately to install a \$10,000 pumping plant on his property.

BUTTE CO., CAL.—State Highway construction. Cost not stated. Engineer, State Highway Commission, Forum Bldg., Sacramento. Owners, State of California. Plans have been completed and figures are now being taken for constructing approximately 12.6 miles of Portland cement concrete highway in Butte County. This road is a part of the State Highway. Plans and specifications can be secured from the office of the State Highway Commissioners at Sacramento or from the District Engineers offices in San Francisco and Los Angeles. Bids will be opened on February 1st. An official proposal appears in another column of this issue.

GRASS VALLEY, NEVADA CO., CAL.—County road construction. Cost not stated. Engineer County Surveyor Miller, Grass Valley. Owners, Nevada County. The Board of Supervisors has directed County Surveyor Miller to make a survey for the proposed road to connect the San Juan road with the Selby Flat road, crossing Rock Creek at the upper end of Lake Vera. Miller will submit a report to the Supervisors in about ten days, when the calling of bids will be considered.

RICHMOND, CONTRA COSTA CO., CAL.—Street paving. Cost not stated. Engineer, City Engineer, Richmond. Owners, City of Richmond. The following is a list of bidders for the work

of improving 20th street from Southern Pacific avenue to the Santa Fe right of way: L. L. Page, S. C. Rogers, Raven Co., E. H. Higgins, C. W. McMaster, Galbraith & Janes, John Word, J. T. Dooling & T. C. Dooling. The following is a list of bidders on the paving of two blocks of Montgomery avenue: S. C. Rogers, Galbraith & Janes, E. H. Higgins, John Word, Frank S. Aguir, J. T. Dooling & T. C. Dooling. All bids were referred to City Engineer Chapman for report.

DINUBA, TULARE CO., CAL.—Highway construction. Cost not stated. Engineer, County Surveyor, Dinuba. Owners, Tulare County. The following bids were opened by the Supervisors for the construction of the proposed mountain roads, one from Badger to Eshom Valley and one from Badger to Sand Creek:

For the road from Badger to Sand Creek, the bids follow:

Charles Neff	\$1,260.00
F. C. Moore	597.50
C. E. Hill	790.00
Charles Broughton	1,650.00

For the road from Badger to Eshom Valley, the following bids were received:

William Watt	\$1,250.00
F. A. Thomas	1,199.00
W. B. Murray	950.00

The bids have been taken under advisement. An award of contract will probably be made at the next meeting.

LOS ANGELES, CAL.—Diverting dam, reinforced concrete, \$1,500,000. Engineer, Major R. R. Raymond, U. S. A. Engineers, Los Angeles. Owners, United States Government. Plans for engineering work to divert flood waters of the Los Angeles coastal plain into Alamitos Bay have been filed with the War Department at Washington, according to word received by Major R. R. Raymond, U. S. A., in charge of the United States engineer's office at Los Angeles. The plans call for the construction of a dam across the deltas of the Los Angeles and Honda Rivers, with an accompanying system of outfall canals. The work would cost \$1,500,000, and probably would prevent flood damage close to that amount annually. A hearing on Raymond's recommendation is scheduled for next week, it was announced.

RECLAMATION DISTRICT 1604, STANISLAUS CO., CAL.—Levees, etc. Cost not stated. Engineer, Chief Engineer Reclamation District 1604. Owners, Reclamation District 1604. Secretary C. W. Elfving, Hearst Bldg., S. F. Plans are complete and figures are now being taken for considerable reclamation work in this district, consisting of levees and ditches. Plans and specifications together with complete information can be secured from the secretary. Bids will be opened on February 10th.

SEATTLE, WASH.—Grade separation work, \$500,000. Engineer, City Engineer, Seattle. Owners, City of Seattle. Superintendent of Public Utilities A. L. Valentine is authority for the statement that preliminary plans have been prepared by the City Engineer for the grade separation work at Argo Station, which is estimated to cost between \$450,000 and \$500,000. The plans call for the construction of an 1800-foot reinforced concrete, double-track tunnel. A meeting will be held in a few days to consider the work,

when it is thought that bids will be ordered called.

SEATTLE, WASH.—Highway grading, \$80,000. Engineer, County Surveyor A. P. Denton, Seattle. Owners, King County. County Engineer A. P. Denton has completed plans for grading the 20-mile road between Auburn and Enumclaw and for grading the 10-mile road between Renton and Issaquah. The former will cost about \$70,000 and the latter about \$80,000. Both will be ready for bids from contractors in about 30 days.

PORTLAND, ORE.—Incinerator plant, \$200,000. Engineer, City Engineer, Portland. Owners, City of Portland. Preliminary plans for the construction of an incinerator plant, for which bonds were recently voted, are now being prepared by Commissioner Daly. The bonds voted were for \$200,000. The first step taken in the erection of the plant will be the selling of the bonds and the purchase of a site.

MODESTO, STANISLAUS CO., CAL.—Metal siphon. Cost not stated. Engineer, E. A. Bayley, Los Angeles. Owners, Modesto Irrigation District. Plans for the Gasberg siphon on the main canal of the Modesto Irrigation District have been completed and are now in the hands of Secretary Abbott. The plans were prepared by Engineer E. A. Bayley of Los Angeles. The siphon will rest on concrete piers and will be 783.96 feet in length. No estimate as yet has been placed on the work.

DINUBA, TULARE CO., CAL.—Sewers, 6-inch, vitrified, \$13,000. Engineer, City Engineer, Dinuba. Owners, City of Dinuba. The trustees have rejected all bids received for the construction of a storm sewer, connecting the gutters of the business district with the main line of pipe leaving the city. The pipe to be laid runs from K street to Tulare and M street, where it connects with line running to the sewer farm. The lowest bid received by the board was \$13,000. The work will now be done under the Day Labor system.

RICHMOND, CONTRA COSTA CO., CAL.—Highway construction. Cost not stated. Engineer, City Engineer Chapman, Richmond. Owners, City of Richmond. Preparations are now being made by securing all property for the highway along the marine front running from the ocean near the Richmond Navigation Company out to the Los Angeles Brick Company. This road will be part of the proposed scenic highway, which will unit the parts of Point Richmond, which are as yet undeveloped. City Engineer Chapman, who is preparing the plans, states that plans call for a thirty-foot road.

RED BLUFF, TEHAMA CO., CAL.—Metal flume. Cost not stated. Engineer, none. Owners, Sunset Syndicate. A metal flume on a truss 100 feet long, which carried water from Mill Creek to irrigate lands belonging to the Sunset Syndicate on the north side of Dyes Creek, was destroyed by a heavy storm recently. The flume is located about eight miles northeast of Los Molinos. Preparations are now being formulated to have the flume rebuilt.

REDWOOD CITY, SAN MATEO CO., CAL.—Highway work. Cost not stated. Engineer, County Surveyor Neuman, Redwood City. Owners, San Mateo County. Plans and specifications presented for the new highway from Hillsborough to the Spring Valley

akes have been approved by the Supervisors and bids have been ordered called.

MONTEREY, MONTEREY CO., CAL.—Macadamized highway. Cost not stated. Engineer, County Surveyor, Monterey. Owners, Monterey County. Plans have been completed and approved for constructing a macadamized highway over the route known as the "Spreckels Boulevard," leading from Hilltown to Spreckels and thence via Hatton along the Spreckels Branch Railroad to the Salinas-Chualar road at Spreckels Junction. Bids are now being taken and will be opened by the Board of Supervisors on February 2nd. Plans and specifications can be secured from the County Clerk.

PORTLAND, ORE.—Sewer construction, \$148,639. Engineer, City Engineer, Portland. Owners, City of Portland. Bids opened by the City Council for the construction of the proposed Willow street and East 82nd street sewer system show Wm. Lind low on his bid of \$148,639 for reinforced concrete construction, and Giebisch & Joplis, for monolithic, at \$161,894. The bids have been taken under advisement. An award will be made at the next meeting of the Council.

Contracts Awarded.

RICHMOND, CONTRA COSTA CO., CAL.—Street paving, \$3,616.61. Engineer, City Engineer Chapman, Richmond. Owners, City of Richmond. Contractor, John Word, Richmond. Contract price, \$3,616.61.

RICHMOND, CONTRA COSTA CO., CAL.—Street paving, \$2,298.48. Engineer, City Engineer Chapman, Richmond. Owners, City of Richmond. Contractor, E. H. Higgins, Richmond. Contract price, \$2,298.48.

FRESNO, FRESNO CO., CAL.—Street paving, \$41,724.47. Engineer, City Engineer, Fresno. Owners, City of Fresno. Contractors, California Road and Street Improvement Co., 2007 Mariposa street, Fresno. Contract price, \$41,724.47.

BAKERSFIELD, KERN CO., CAL.—Street paving. Cost not stated. Engineer, City Engineer, Bakersfield. Owners, City of Bakersfield. Contractors, Thompson Bros., Bakersfield. Contract price, \$14.75 per square foot for paving, 15 cents for gutters and 40 cents for curb.

BAKERSFIELD, KERN CO., CAL.—Highway paving, \$45,998.65. Engineer, County Surveyor, Bakersfield. Owners, Kern County. Contractors, George S. Benson & Sons, Bakersfield. Contract price, \$45,998.65.

SCHOOLS.

RICHMOND, CONTRA COSTA CO., CAL.—School, 1 story, frame, \$12,000. Architect, James T. Nabett, Richmond. Owners, City of Richmond. The building has been designed to contain four class rooms. Interior finish will be of pine throughout. A warm air system of heating with oil burning furnace will be installed. Modern school plumbing is included in the specifications. Exterior of the building will be covered with shingles. Plans are now being prepared.

STOCKTON, SAN JOAQUIN CO., CAL.—School alteration. Cost not stated. Architects, Stone & Wright, 24 South California street, Stockton. Owners, City of Stockton. Plans are

complete and figures are now being taken for alterations to the Fremont School and for the installation of a new sanitary system. Plans can be secured from the architects. Bids will be opened for the work on February 3rd.

STOCKTON, SAN JOAQUIN CO., CAL.—School, 2 story and base, brick, \$65,000. Architects, Stone & Wright, 24 South California street, Stockton. Owners, City of Stockton. Plans have received the official approval of the Board of Education for the new building to be erected on the property at the corner of Main and Lower Sacramento road. The building will contain twelve class rooms, assembly hall and office. Interior finish will be of pine with maple floors in the class rooms. There will be a central heating system, oil burning furnace and modern school plumbing. Exterior of the building will be faced with pressed brick. Bids will be called for shortly. Further mention will be made of the work.

ROSEVILLE, PLACER CO., CAL.—School, 1 story and base, brick and concrete. Cost not stated. Architect, W. H. Weeks, 75 Post street, S. F. Owners, Town of Roseville. This building has been mentioned here before when plans were first started. Figures are now being taken and bids will be opened on February 8th. Plans and specifications can be secured from the architect.

PORTLAND, ORE.—School unit, 1 story and base, frame, \$40,000. Architect, F. A. Naramore, Portland. Owners, City of Portland. Plans for the first unit of the Kennedy School are being completed and will be ready for figures within the next two months. The appropriation for the entire building is \$115,000. The first unit will contain eight class rooms and the assembly hall. Interior finish will be of pine throughout. There will be a central heating system and modern school plumbing. Exterior will be faced with cement plaster on metal lath.

Contracts Awarded.

RIO VISTA, SOLANO CO., CAL.—School, 2 story and base, brick. Cost not stated. Architect, Henry C. Smith, Humboldt Bank Bldg., S. F. Owners, Rio Vista School District. Contractors, Boyd, Kerr & McLean, 110 Jessie street, S. F., general construction. Contract price, \$49,588.

CALEXICO, IMPERIAL CO., CAL.—School, 1 story and base, brick. Cost not stated. Architects, Allison & Allison, Hibernian Bldg., L. A. Owners, Callexico School District. Contractors, Roberts & Davis, El Centro, general construction, \$43,950. Gentier & Gear, Imperial, plumbing, \$3,978. B. V. Ezell, El Centro, heating and ventilating, \$6,500, and the Standard Electric Time Co., El Centro, program clocks, \$1,092.

STORES AND OFFICES.

SAN FRANCISCO—Stores, 1 story and base, frame, \$5,000. Architect, J. C. Hladik, Monadnock Bldg., S. F. Owner, Mrs. Bridget Daly. The building will be erected at the corner of Van Ness avenue and Vallejo, covering an area of 26 by 109 feet. Interior finish will be of pine throughout. Exterior of the building will be covered with rustic. A marble base will be

used. Plans are complete and figures have been taken. Bids are now under advisement.

PORTLAND, ORE.—Market building, 1 story and base, reinforced concrete, \$35,000. Architect, none. Owners, Frye & Co., Seattle. The building will be erected at the corner of Third and Yamhill streets and will cover a large ground area. Interior will be arranged for a number of stalls and will be fitted with special fixtures. Interior finish will be of tile and marble. There will be special refrigerating equipment. Exterior of the building will be faced with cement plaster. Construction will be fireproof. Plans are complete and figures are being taken by the owners.

END OF THE STOCKTON LABOR TROUBLES.

In the January number of the General Contractors' Association Review appears an article describing the terms of the settlement of the labor troubles of Stockton, Calif.

The accounts given in the daily press were at such variance with each other that the ordinary reader finds himself completely at sea to understand the facts.

Here is what appears in the Association Review:

STOCKTON LABOR TROUBLE SETTLED.

On June 8, 1914, the manufacturers and employers of Stockton declared for the "open shop" and since that time they have continued to work under the open shop plan.

The Merchants', Manufacturers' and Employers' Association of Stockton undertook to put into effect the "open shop" plan desired and has followed consistently the furthering of this object. During the six months that the trouble has existed, frequent cases of violence have occurred and the labor unions throughout the state have been making a determined effort to force back the "closed shop" conditions on the employers, but without avail. There was no cut in wages or increase in hours, the issue being merely that of the "open shop" as against the "closed shop."

During the last month a communication was received by the employers from the unions asking for another conference, looking to a settlement of the trouble. The employers' committee refused the conference except with the understanding that the "open shop" was conceded. The unions finally conceded this point and a conference followed. The following agreement was then prepared as a basis of settlement:

"This agreement, made and entered into this 17th day of December, 1914, by and between a committee of three members representing the Merchants', Manufacturers' and Employers' Association, hereinafter called the Association, and a similar committee of three representing the Building Trades Council of San Joaquin County and the Central Labor Council of San Joaquin County, hereinafter called the unions, witnesseth:

"That in order to speedily terminate the industrial struggle in the city of Stockton, and to prevent a recurrence of the same, it is hereby mutually agreed as follows:

"First—That the unions agree to stop all boycotting and picketing, and that notice to that effect be sent to the parties boycotted in the same manner as the original notice of boycotting was sent.

"Second—That the Association agrees to withdraw the letter sent by them to the Building Trades Council and to the Central Labor Council, under date of June 26, 1914, and notice to that effect be sent to them in the same manner as the original letter was sent.

"Third—That wages and hours are to remain the same as in force on July 8, 1914.

"Fourth—That a committee of three from each side be appointed to which shall be referred all questions affecting wages and hours which may arise be-

tween the two parties, the decision of said committee to be binding on both sides, it being definitely understood that no drastic action shall be taken by either side until after said committee has considered the matter and rendered a decision.

"In witness whereof this agreement is signed in duplicate and delivered on the date first above written by the conference committee representing both parties hereto, thereunto duly authorized.

ROBERT INGLIS,
E. L. GNEKOW,
F. J. VIEBROCK,
Committee representing the Ass'n.
J. T. WOODS,
J. B. DALE,
JOSEPH E. ECK,
Committee representing the Unions.

In so much as there has never been any question during the fight as to wages and hours, the agreement really seems to amount to very little, except that the unions have agreed to work under "open shop" conditions.

It is reported that there is much dissatisfaction shown on the part of individual members of organized labor in Stockton. They claim that by the document open shop is recognized by the unions, while they did not win a point, except that the employers will treat with the unions to arbitrate disputes as to wages and hours.

It is to be hoped that there will now be peace in the City of Stockton and an end to the violence which has existed during the last six months.

SEALED PROPOSALS

PROPOSALS FOR BUILDING.

BUILDING, ETC.—Treasury Department, Office of the Supervising Architect, Washington, D. C.—Sealed proposals will be opened in this office at **3 p. m. February 27, 1915**, for the construction, complete (including mechanical equipment, lighting fixtures and approaches), of a two-story and basement stone or brick-faced building of 6,500 square feet ground area, fire-proof construction and composition roof for the United States post office at Miles City, Mont. Drawings and specifications may be obtained from the custodian at Miles City, Mont., or at this office, in the discretion of the supervising architect. Drawings and specifications will be ready for delivery after January 15, 1915. O. WENDEROTH, supervising architect.

PROPOSALS FOR EXCAVATING AND CONCRETE WORK.

EXCAVATION AND CONCRETE WORK—Department of the Interior, U. S. Reclamation Service, Washington, D. C.—Sealed proposals will be received at the office of the U. S. Reclamation Service at Provo, Utah, until **2 o'clock p. m. February 3, 1915**, for construction involving 158,000 yards of excavation, 7,000 yards of concrete and other items. The work is located near Payson City, Utah, near the San Pedro, Los Angeles and Salt Lake Railroad and the Tintic Branch of the Denver and Rio Grande Railroad. For particulars address United States Reclamation Service, Provo, Utah, or Washington, D. C. A. P. DAVIS, director and chief engineer.

PROPOSALS FOR ELECTRIC APPARATUS.

ELECTRICAL APPARATUS—U. S. Reclamation Service, Los Angeles, Cal.—Sealed proposals will be received here until **2 p. m. January 25, 1915**, for furnishing electrical apparatus for the Boersch Lake pumping plant, Minidoka, Idaho. For particulars address U. S. Reclamation Service, Los Angeles, Cal., or Washington, D. C. O. H. ENSIGN, chief electrical engineer.

PROPOSALS FOR CANAL SUPPLIES.

PANAMA CIRCULAR 893—Proposals for Three 1,000-Yard Steel Dump Scows.—Sealed proposals will be received at the office of the general purchasing officer, the Panama Canal, Washington, D. C., until **10:30 a. m. February 10, 1915**, at which time they will be opened in public, for furnishing the above mentioned articles. Blanks and general

information relating to this circular (No. 893) may be obtained from this office or the office of the assistant purchasing agent, 1086 North Point street, San Francisco, Cal.; also from the U. S. engineer offices in the following cities: Seattle, Wash.; Los Angeles, Cal. F. C. BOGGS, major, corps of engineers, U. S. army, general purchasing officer.

PROPOSALS FOR CANAL SUPPLIES.

PANAMA CIRCULAR 891—Proposals for Material for the Pumping Plant of Dry Dock No. 1, Balboa Terminals.—Sealed proposals will be received at the office of the general purchasing officer, the Panama Canal, Washington, D. C., until **10:30 a. m. February 24, 1915**, at which time they will be opened in public for furnishing the above mentioned articles. Blanks and general information relating to this circular (No. 891) may be obtained from this office or the office of the assistant purchasing agent, 1086 North Point street, San Francisco, Cal.; also from the engineer offices in the following cities: Seattle, Wash.; Los Angeles, Cal. F. C. BOGGS, major, corps of engineers, U. S. army, general purchasing officer.

PROPOSALS FOR CANAL SUPPLIES.

PANAMA CIRCULAR 892—Proposals for Valves and Accessories for Dry Dock No. 1, Balboa Terminals.—Sealed proposals will be received at the office of the general purchasing officer, the Panama Canal, Washington, D. C., until **11:30 a. m. February 24, 1915**, at which time they will be opened in public, for furnishing the above mentioned articles. Blanks and general information relating to this circular (No. 892) may be obtained from this office or the office of the assistant purchasing agent, 1086 North Point street, San Francisco, Cal.; also from the U. S. engineer offices in the following cities: Seattle, Wash.; Los Angeles, Cal. F. C. BOGGS, major, corps of engineers, U. S. army, general purchasing officer.

NOTICE TO CONTRACTORS.

SEALED proposals will be received at the office of the California Highway Commission, 515 Forum Building, Sacramento, Cal., until **2 o'clock p. m., on February 1, 1915**, at which time they will be publicly opened and read, for construction in accordance with the specifications therefor, to which special reference is made, portions of State Highway as follows:

Butte County from Nelson to Chico (III-But-3-C), about 12.6 miles in length, to be built of Portland cement concrete.

Highway Engineer's Estimate.

Item 1, 40,000 cubic yards excavation without classification; 2, 264 lineal feet 12-inch corrugated iron pipe; 3, 198 lineal feet 18-inch corrugated iron pipe; 4, 72 lineal feet 24-inch corrugated iron pipe; 5, 220 cubic yards Class "B" Portland cement concrete (culverts and monuments); 6, 15,950 cubic yards Class "B" Portland cement concrete (pavements); 7, 2,300 lineal feet guard rail; 8, 121 each, hauling and setting monuments.

The Commission will furnish, as more explicitly set forth in the specifications, the following materials, viz: Pipe railing for culverts, reinforcing steel, corrugated iron pipe, Portland cement, sand and coarse aggregate.

The foregoing quantities are approximate only, being given as a basis for the comparison of bids, and the Department of Engineering does not expressly or by implication agree that the actual amount of work will correspond therewith, but reserves the right to increase or decrease the amount of any class or portion of the work, as may be deemed necessary or expedient by the said Commission.

All bids are to be compared on the basis of the Highway Engineer's estimate of the quantities of work to be done.

Plans may be seen, and forms of proposal, bonds, contract, and specifications may be obtained at the said office and they may be seen at the offices of the Division Engineers at Los Angeles and San Francisco, and at the office of the Division Engineer of the division in which the work is situated.

The Division Engineers' offices are located at Willits, Dunsmuir, Sacramento, San Francisco, San Luis Obispo, Fresno, and Los Angeles.

No bid will be received unless it is made on a blank form furnished by the Commission. The special attention of prospective bidders is called to the "Notice to Contractors" annexed to the blank form of proposal, for full directions as to bidding, quantities of work to be done, etc.

The Department of Engineering reserves the right to reject any or all bids or to accept the bid deemed for the best interests of the State.

CHARLES D. BLANEY,
NEWELL D. DARLINGTON,
CHARLES F. STERN,
California Highway Commission.
AUSTIN R. FLETCHER,
Highway Engineer.
WILSON R. ELLIS, Secretary.

PROPOSALS FOR CANAL SUPPLIES.

PANAMA CIRCULAR 890—Proposals for Cast Iron Lamp Posts and Porcelain Receptacles and Lamp Sockets for Same, Electric Cable, Steel Cable, Steel Pipe and Fittings for Same, Cast Iron Washers, Stovepipe, Garbage Cans, Buckets, Anchors, Brass Bolts and Washers, Door Bolts, Power Hack Saw, Anchor Lights, Cheesecloth, Sash Cord, Chalk Line Twine, Rubber Bands, Bristol Board and Padboard, Manganese Dioxide, and Potassium Chlorate.—Sealed proposals will be received at the office of the general purchasing officer, the Panama Canal, Washington, D. C., until **10:30 a. m. January 21, 1915**, at which time they will be opened in public, for furnishing the above mentioned articles. Blanks and general information relating to this circular (No. 890) may be obtained from this office or the office of the assistant purchasing agent, 1086 North Point street, San Francisco, Cal.; also from the U. S. engineer offices in the following cities: Seattle, Wash.; Los Angeles, Cal. F. C. BOGGS, major, corps of engineers, U. S. army, general purchasing officer.

PROPOSALS FOR STEEL TOWERS.

STEEL TOWERS—Sealed proposals, indorsed "Proposals for Steel Towers," will be received at the bureau of yards and docks, Navy Department, Washington, D. C., and at the U. S. naval station, Cavite, P. I., until **11 o'clock a. m. February 27, 1915**, and then and there publicly opened for the construction and erection of three 600-foot steel towers at each of the following naval stations: San Diego, Cal.; Pearl Harbor, Hawaii, and Cavite, P. I. Plans and specifications may be obtained on application to the bureau or at the naval stations named upon deposit of \$25 as security for their return. H. R. STANFORD, chief of bureau.

NOTICE INVITING BIDS.

NOTICE is hereby given that sealed bids will be received by the Clerk of the Board of Supervisors of San Joaquin County, California, at the office of said Board, in the City of Stockton, until **10 o'clock a. m. of Thursday, January 28, 1915**, for furnishing steel furniture and fixtures for the office of the Auditor of San Joaquin County according to plans and specifications prepared by the M. G. West Company and adopted by said Board, December 28, 1914, and to which bidders are particularly referred.

All bids must be presented in sealed envelopes marked to designate the work bid for.

All proposals must be accompanied by United States currency or certified check made payable to the Chairman of the said Board of Supervisors in the sum of 10 per cent of the amount of the bid and a bond of 50 per cent of the contract price will be required of the successful bidder.

The Board reserves the right to reject any or all bids.

By order of said Board made January 4, 1915.

EUGENE D. GRAHAM,
Clerk.
By S. A. CARTER,
Deputy Clerk.

W. R. BRODE, Pres. LOUIS R. HOLM, Sec. R. J. BRODE, Vice-Pres.

BRODE IRON WORKSEstablished 1886—Incorporated 1913
Tel. Kearny 2464.

Fabricators and Contractors of Structural Steel and Ornamental Iron Work

Office & Works: 31-37 Hawthorne St., bet. Howard & Folsem Sts., San Francisco, Cal.

STATE OF CALIFORNIA.

DEPARTMENT OF ENGINEERING.

CALIFORNIA HIGHWAY COMMISSION

NOTICE TO CONTRACTORS.

SEALED PROPOSALS will be received at the office of the California Highway Commission, 515 Forum Building, Sacramento, Cal., until 2 o'clock P. M. on February 1, 1915, at which time they will be publicly opened and read, for construction in accordance with the specifications therefor, to which special reference is made, portions of State Highway as follows:

Butte County from Nelson to Chico (III-But-3-C), about 12.6 miles in length, to be built of Portland cement concrete.

Plans may be seen, and forms of proposal, bonds, contract, and specifications may be obtained at the said office, and they may be seen at the offices of the Division Engineers at Los Angeles and San Francisco, and at the office of the Division Engineer of the division in which the work is situated. The Division Engineers' offices are located at Willits, Dunsmuir, Sacramento, San Francisco, San Luis Obispo, Fresno, and Los Angeles.

No bid will be received unless it is made on a blank form furnished by the Commission. The special attention of prospective bidders is called to the "Notice to Contractors" annexed to the blank form of proposal, for full directions as to bidding, quantities of work to be done, etc.

The Department of Engineering reserves the right to reject any or all bids or to accept the bid deemed for the best interests of the State.

CHARLES D. BLANNEY,
NEWELL D. DARLINGTON,
CHARLES F. STERN,California Highway Commission.
AUSTIN B. FLETCHER,

Highway Engineer.

WILSON R. ELLIS, Secretary
Dated: December 22, 1914. (*)

NOTICE TO CONTRACTORS.

BUILDING — Treasury Department, Office of the Supervising Architect, Washington, D. C.—Sealed proposals will be opened in this office at 9 p. m. on January 22, 1915, for the construction (including the mechanical equipment, interior lighting fixtures and approaches), of a one-story, basement and stone and brick-faced building of 4,650 square feet ground area, fireproof first floor, tin and composition roof, for the United States post office at Uvalde, Tex. Drawings and specifications may be obtained from the custodian of the site at Uvalde, Tex., or at this office, in the discretion of the supervising architect. O. WENDEROTH, supervising architect.

PROPOSALS FOR CANAL SUPPLIES.

PANAMA CIRCULAR 888—Proposals for Structural Steel and Miscellaneous Material for Pier No. 7, Cristobal Terminal Docks.—Sealed proposals will be received at the office of the general purchasing officer, the Panama Canal, Washington, D. C., until 10:30 a. m. January 23, 1915, at which time they will be opened in public, for furnishing the above mentioned articles. Blanks and general information relating to this circular (No. 888) may be obtained from this office or the office of the assistant purchasing agent, 1084 North Point street, San Francisco, Cal.; also from the U. S. engineer offices in the following cities: Seattle, Wash.; Los Angeles, Cal. F. C. BOGGS, major, corps of engineers, U. S. army, general purchasing officer.

NOTICE TO CONTRACTORS.

SEALED BIDS will be received by W. F. McClure, State Engineer, Capitol

Building, Sacramento, California, up to and including 12 o'clock, noon, Monday, February 1, 1915, said bids then and there to be publicly opened and read for furnishing all plant, materials, and labor, and doing the work required to complete the Mason Work, Structural Steel and Iron, Carpenter Work, Metal Furring, Lathing and Plastering, Sheet Metal and Roofing, Painting and Staining, Glass and Glazing, Ornamental Iron Work, Marble and Tile Work, and Electric Wiring of buildings to be known as "Main Building" and "Gymnasium and Boiler House," Fresno State Normal School, Fresno, California, in accordance with the plans and specifications therefor, copies of which may be obtained on application to the State Department of Engineering, Sacramento, California.

Such bids will be received for the Entire Work, and must be submitted on forms prepared and furnished by the State Department of Engineering.

Cash, a bidder's bond, or a certified check in the sum of ten per centum (10%) of the amount of the bid must accompany each bid.

A deposit of Twenty-five (\$25.00) Dollars will be required on plans and specifications; the deposit to be returned immediately on the return of the plans and specifications to the State Department of Engineering, at Sacramento, California, in good condition.

The State Department of Engineering reserves the right to reject any and all bids and to waive any informality in any bid received.

All bids must be addressed to W. F. McClure, State Engineer, Sacramento, California, and plainly marked on the envelope: "Proposals for 'Main Building' and 'Gymnasium and Boiler House,' Fresno State Normal School, Fresno, California."

[SIGNED] W. F. McCLURE,
State Engineer. (*)

NOTICE TO CONTRACTORS.

SEALED BIDS will be received by W. F. McClure, State Engineer, Capitol Building, Sacramento, California, up to and including 12 o'clock, noon, Monday, February 1, 1915, said bids then and there to be publicly opened and read for furnishing all plant, materials, and labor, and doing the work required to complete the Plumbing, Sewers and Gas Fitting, Vacuum Cleaning system, Steam Heating and Fitting and Indirect Heating and Ventilating System of buildings to be known as "Main Building" and "Gymnasium and Boiler House," Fresno State Normal School, Fresno, California, in accordance with the plans and specifications therefor, copies of which may be obtained on application to the State Department of Engineering, Sacramento, California.

Such bids will be received for the Entire Work, and must be submitted on forms prepared and furnished by the State Department of Engineering.

Cash, a bidder's bond, or a certified check in the sum of ten per centum (10%) of the amount of the bid must accompany each bid.

A deposit of Fifteen (\$15.00) Dollars will be required on plans and specifications, the deposit to be returned immediately on the return of the plans and specifications to the State Department of Engineering, at Sacramento, California, in good condition.

The State Department of Engineering reserves the right to reject any and all bids and to waive any informality in any bid received.

All bids must be addressed to W. F. McClure, State Engineer, Sacramento, California, and plainly marked on the envelope: "Proposal for Plumbing, etc., for 'Main Building' and 'Gymnasium and Boiler House,' Fresno Normal School, Fresno, California."

[SIGNED] W. F. McCLURE,
State Engineer. (*)Nearest to
Everything

POWELL ST. AT O'FARRELL

Best located and most popular hotel in the City; circulating ice water in every room.

Especial attention to ladies travelling alone.

Excellent, reasonable priced grill. Meet your friends at the Manx

European Plan Rates \$1.50 up.

Management. Chester W. Kelley

LEASES

Jan. 11, 1915—NO. 433 ELLIS. Bridget A Daly to Lea Marguerite Destree, 5 years. \$23,808.

Jan. 11, 1915—SW LOMBARD AND Octavia 31-3x63; No. 1701 Lombard. Carlo Chiosso to C L Conte, 5 years. \$60 per month, etc.

Jan. 11, 1915—N TURK 140 W St. Joseph Ave W 20xN 60. The Roman Catholic Archbishop of San Francisco to Mrs. D. L. Gump, \$6 per month.

Jan. 12, 1915—W CLOVER (Clover Alley 121 S 18th S 53-6xW 25. Samuel Johns to City and County of S. F. with option to renew. 1 year, \$780.

Jan. 12, 1915—NO. 401 WASHINGTON. C L Conte to C W Harris, 35 months, \$20 per month.

Jan. 11, 1915—N SACRAMENTO 82-6 E Broderick N 100xE 27-6. W H Degan to Joseph Pasqualetti, 10 years, \$20 per month.

Jan. 13, 1915—NO. 346 STOCKTON. Allied Apartments Co to H W Miller. 49 months, \$7183.33 with option to renew.

Jan. 13, 1915—GEARY AND TAYLOR. D N & E Walter & Co to Clift Hotel Company (Furniture)\$86,233.08

NOTICE OF NON-RESPONSIBILITY.

Jan. 13, 1915—S CHESTNUT 100 W Scott W 26xS 125. August Schneider as to improvements on leased property

Jan. 13, 1915—S CHESTNUT 137-6 E Pierce E 20-4xS 137-6. Guadalupe Realty Co as to improvements on leased property

ADVANCE NEWS

Classified according to Location

SAN FRANCISCO.

APARTMENT HOUSE—3 story and base, frame, \$15,000. San Francisco. Architects, Rousseau & Rousseau, Monadnock Bldg., S. F. Owners, Gerard Investment Co. The building will be erected on the east side of Jones street south of Pine, and has been designed to contain six suites of three rooms each, covering an area of 30 by 73 feet. Interiors will be finished in pine, redwood and elm panels. Hardwood floors will be used in the living rooms. Plans provide for steam heat and a hot water system. All suites will have wall beds and private baths. Bath rooms will be finished in tile with composition floors. Marble wainscot will be used in the trances. Exterior of the building will be covered with cement plaster on metal lath. Plans are complete and figures are being taken.

APARTMENT HOUSE—3 story and base, frame, \$20,000. San Francisco. Architect, Charles J. Rousseau, 46 Kearny street, S. F. Owner's name withheld. The building will be erected on Sixth avenue near Irving street and has been designed for a number of two and three room suites with wall beds and private bath rooms. Interior will be finished in pine, redwood and elm panels. Hardwood floors will be used in the living and dining rooms. There will be a central heating system and hot water supply. Bath rooms will have tile wainscot and composition floors. Entrance will be finished in marble. Exterior of the building will be covered with cement plaster on metal lath. Plans are now being prepared.

APARTMENT HOUSE—3 story and base, frame, \$17,500. San Francisco. Architects, Rousseau & Rousseau, Monadnock Bldg., S. F. Owners, Metropolitan Investment Co., 333 Kearny street, S. F. This building will be erected on the east side of Jones street south of Pine, covering an area of 40 by 80 feet, and has been designed to contain a total of six suites of four rooms each. All apartments will have wall beds and private bath rooms. Interiors will be finished in pine and elm with some white enamel. Hardwood floors will be used in the living and dining rooms. Bath rooms will have tile wainscot and floors. Plans provide for steam heat and a hot water supply. Marble and tile wainscot will be used in the entrance and lobby. Exterior of the building will be covered with rustic and cement plaster on metal lath. Plans are complete and in the hands of the owners who will do the work by Day Labor.

WHARF SHED—2 story, frame construction. Cost not stated. San Francisco. Engineer, Assistant State Engineer, Ferry Bldg., S. F. Owners, State of California. Plans for the two-story frame baggage shed to be erected on the southernmost dolphin at the Ferry Building for the use of the Wells-Fargo Co. have been completed and approved. Bids are now being

taken and will be opened by the State Board of Harbor Commissioners on January 21st. Plans and specifications can be secured from the State Board of Harbor Commissioners at the Ferry Building. The first story will cover an area of 110 by 430 feet and the second story portion 110 by 200 feet.

WHARF CONSTRUCTION—Creosoted piles and timber, \$98,300. San Francisco. Engineer, Assistant State Engineer Newman, Ferry Bldg., S. F. Owners, State of California, represented by the State Board of Harbor Commissioners. Contractors, Healy-Tibbitts Construction Co., S. F. Contract price, \$98,300. Note: A complete list of the bids submitted for this work, Pier No. 24, appears under the heading of San Francisco in this issue.

FLATS—2, 2 story and base, frame, \$4,000 each. San Francisco. Architect, H. E. Harris, Monadnock Bldg., S. F. Owner, C. A. Rushton, 714 9th avenue, S. F. These buildings will be erected on adjoining property on the west side of 9th avenue south of Cabrillo each covering an area of 25 by 60 feet. Interiors will be arranged for two modern flats of five and six rooms. Interior finish will be of pine and redwood with some elm panels. Hardwood floors will be used in the living and dining rooms. There will be open fire places and tile or brick mantels. Tile wainscot will be used in the bath rooms. Exteriors will be covered with rustic and cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor. Materials are now being purchased.

GARAGE ALTERATION—Reinforced concrete, \$10,000. San Francisco. Architect, Phillip Schwerdt, 726 Clement street, S. F. Owner, William Rayhill, 627 Haight street. This work will consist of remodeling the present stable building into a structure suitable for a garage. The new building will have to be fireproof in accordance with the Building Laws. Plans are complete and now out for figures.

HOSPITAL — Pathological ward, 2 story and base. Class A construction. Cost not stated. San Francisco. Architects, Righetti & Headman, now dissolved. Owners, City and County of San Francisco. At the Monday meeting of the Board of Public Works bids for the construction of the Pathological Ward and garage building to be erected at the San Francisco Hospital were rejected. James L. McLaughlin, 244 Kearny street, was the low bidder at \$78,990. John J. Leonard was second low at \$83,668, and Alfred Kohn third low at \$86,000. The building was designed by Architects Righetti & Headman before the dissolution, and is a two-story and basement brick and steel structure. New figures will probably be advertised for shortly.

HOSPITAL ALTERATION—Cost not stated. San Francisco. Architects, Bakewell & Brown, 251 Kearny street, S. F. Owners, Leland Stanford, Jr., University. The fourth floor of the

hospital building at the corner of Clay and Webster streets is to be altered. The work will require new interior partitions, plastering, interior finish, plumbing, painting and electric work. The contract may be included with that for the construction of a four-story addition. Plans are now out for figures.

HOSPITAL REFRIGERATING PLANT—Cost not stated. San Francisco. Engineers, City Department of Engineering, Temporary City Hall Bldg., S. F. Owners, City and County of San Francisco. Bids for furnishing and installing a refrigerating plant in the Isolation Hospital have been rejected. The difference between the highest and lowest bids was but \$34. Bids will be readvertised.

WOMEN'S GYMNASIUM—2 story and base. Class C construction, \$40,000. San Francisco. Architects, Bliss & Faville, Balboa Bldg., S. F. Owners, San Francisco Women's Athletic Association. The building is to be erected on a lot now under option of purchase located on Sutter street. Preliminary plans only have been prepared. The building will contain, besides a thoroughly equipped gymnasium, offices, reading rooms and lunch rooms. Interior finish will be of pine and hardwood. There will be steam heat and special equipment. Exterior of the building will be faced with pressed brick. Plans are now being prepared. Further mention will be made of the work.

RESIDENCE — 2 story and base, frame, \$3,000. San Francisco. Architect, none. Owner, Emil Nelson, 244 Rivoli street, S. F. The dwelling will be erected on the west side of 26th avenue north of Clement, and has been designed for a six-room house with bath and sleeping porch. Interior will be finished in pine and hardwood. Hardwood floors will be used in the living and dining rooms. There will be open fire places and tile or brick mantels. Bath room will have tile wainscot and floor. An automatic water heater will be installed. Exterior of the house will be covered with rustic and cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor. Materials are now being purchased.

RESIDENCE — 2 story and base, frame, \$3,000. San Francisco. Architect, none. Owners, George F. and Lucy L. Cleese, 524 27th avenue, S. F. The dwelling has been designed for a five-room house with garage in the basement and will be erected on the east side of 24th avenue south of Anza street. Interior will be finished in pine, redwood and hardwood. Some white enamel will be used in the bed rooms. There will be hardwood floors. Furnace heat is specified. Bath room will have tile floor and wainscot. An automatic water heater will be installed. There will be open fire places and tile or brick mantels. Exterior of the house will be covered with rustic

and cement plaster on metal lath. Plans are complete and in the hands of the owners who will do the work by Day Labor. Materials are now being purchased.

RESIDENCE—2 story and base, frame, \$2,500. San Francisco. Architect, none. Owners, Johnson & Johnson, 818 19th avenue, S. F. The dwelling has been designed for a six-room house with bath and sleeping porch and will be erected on the east side of 21st avenue south of Geary street. Interior will be finished in pine and hardwood. Hardwood floors will be used in the living and dining rooms and reception hall. There will be open fire places and tile or brick mantels. Bath room will have tile wainscot and floor. An automatic water heater will be installed. Exterior of the building will be covered with rustic and cement plaster on metal lath. Plans are complete and in the hands of the owners who will do the work by Day Labor. Materials are now being purchased.

APARTMENT HOUSE AND STORES—6 story and base, steel and brick. Cost not stated. San Francisco. Architects, Rousseau & Rousseau, Monadnock Bldg., S. F. Owner, Theodore A. Rulfs. The building will be erected on Jones street near Pine, and has been designed for a six-story structure. Only the first story will be erected at the present time. This floor will contain a number of modern stores. When the upper floors are erected they will be arranged for two and three room suites with private baths and wall beds. Patent store fronts are specified. Exterior of the building will be faced with pressed brick. Plans are now being prepared.

APARTMENT HOUSE—3 story and base, brick, \$20,000. San Francisco. Architect, none. Owner, J. G. Kincaid, 215 Montgomery street, S. F. The building will be erected on the north side of Post street east of Polk, and will have a frontage of 28½ feet by 120 feet. There will be a total of fourteen apartments of two and three rooms. Interior finish will be of pine and redwood with some elm panels. Hardwood floors will be used in the principal rooms. Plans provide for steam heat and a hot water system. All suites will have wall beds and private bath rooms. Marble wainscot will be used in the entrance. Bath rooms will have tile floors and wainscot. Exterior of the building will be faced with pressed brick. Plans are complete and in the hands of the owners who will do the work by Day Labor. Materials are now being purchased.

DRY DOCK—Concrete construction, \$1,500,000. San Francisco. Engineers, Union Iron Works, S. F. Owners, Union Iron Works. Plans are practically complete for the new dry dock to be erected at Hunters Point by the Union Iron Works. The dock will be 1,090 feet long and 110 feet wide and deep enough to dock the largest vessels coming into this port. The agreement between the Union Iron Works and the United States Government whereby the Government is to furnish the company with \$50,000 worth of work each year for a period of six years has been signed. The construction of the dry dock together with other extensive improvements to be made at the Union Iron Works will

cost in the neighborhood of \$1,500,000.

FLATS—2 story and base, frame, \$5,000. San Francisco. Architect, none. Owner, Fred Roettger, 272 12th avenue, S. F. The building will be erected on the east side of 24th avenue north of California street, and has been designed to contain two modern flats of five and six rooms. Interiors will be finished in pine and hardwood veneer. Hardwood floors will be used in the living and dining rooms. There will be open fire places and tile or brick mantels. Bath rooms will be finished in tile. Automatic water heaters will be installed. Exterior of the building will be covered with rustic and cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor. Materials are now being purchased.

LIBRARY—2 story and base. Class A construction, \$40,000. San Francisco. Architect, G. Albert Lansburgh, 709 Mission street, S. F. Owners, City and County of San Francisco. The building will be known as the Mission Branch and will be erected at the corner of 24th and Bartlett streets. The design is in the classic style. There will be two large main reading rooms and a juvenile department. Interior finish will be of pine and hardwood. Maple and tile floors will be used. There will be steam heat and a vacuum cleaning system. Metal book stacks are specified. Exterior of the building will be faced with pressed brick and terra cotta. Plans are complete and have been approved. Bids are now being taken and will be opened by the Board of Library Trustees on January 25th. Plans and specifications can be secured from the architect.

MUNICIPAL CAR BARN ADDITION—1 story, reinforced concrete. Cost not stated. Architects, City Department of Architecture, Temporary City Hall, S. F. Owners, City and County of San Francisco. The Board of Public Works has notified the Department of Architecture to complete plans and specifications for the second story of the Municipal Car Barns to be erected on the property bounded by 18th, York, Mariposa and Hampshire streets. The new portion of the building will house the offices and some parts of the repair shops. Exterior will be faced with cement plaster. Plans are now being prepared.

RESIDENCES—2, 2 story and base, brick and frame, \$12,000 each. San Francisco. Architects, Cunningham & Politeo, First National Bank Bldg., S. F. Owner, Dr. James W. Edwards. These two houses will be erected on property at the corner of Presidio avenue and Jackson street, and each has been designed to contain eight rooms, three baths and sleeping porches. Interiors will be finished in pine, redwood, hardwood and white enamel. Hardwood floors will be used in the principal rooms. There will be furnace heat and open fire places. Mantels will be of tile and brick. Bath rooms will be finished in tile. A hot water system will be installed. Exterior will be covered with cement plaster. Plans are complete and figures are being taken.

RESIDENCE—2 story, attic and base, frame. Cost not stated. San Francisco. Architect, Henry Shermond, Mills Bldg., S. F. Owner, Sol Bibb. The dwelling will be erected on the east side of 20th avenue near Lake street,

and has been designed to contain eight rooms, two baths and sleeping porch. Interior finish will be of pine and white enamel. Hardwood floors will be used throughout the first floor and in the principal bed rooms. There will be furnace heat and open fire places. Mantels will be of tile. An automatic water heater will be installed. Bath rooms will have tile floors and wainscot. Exterior of the house will be covered with cement plaster on metal lath. Plans are complete and figures are now being taken.

STORES—1 story and base, frame, \$5,000. San Francisco. Architect, J. C. Hladik, Monadnock Bldg., S. F. Owner, Mrs. Bridget Daly. The building will be erected at the corner of Van Ness avenue and Vallejo, covering an area of 26 by 109 feet. Interior finish will be of pine throughout. Exterior of the building will be covered with rustic. A marble base will be used. Plans are complete and figures have been taken. Bids are now under advisement.

Contracts Awarded.

RESIDENCE—2 story, attic and base, frame and plaster, \$23,000. San Francisco. Architect, Henry C. Smith, Humboldt Bank Bldg., S. F. Owner, Mrs. Clarence Musto. Contractors, Trevia & Pasqualetti, Humboldt Bank Bldg., S. F. Contract price, \$23,000.

A New And Practical Rolling Disappearing Window Screen.

The Bois Rolling Window Screen is the name of the latest invention in the type of rolling or disappearing screens that is now being introduced by the inventor, Mr. Bois, at his factory, 477-479 Sixth St., this city.

This screen can readily be attached to any double hung window—no recesses or special construction of the frame being necessary.

When put in place it is always ready for use. All you have to do to raise up the sash and the screen comes into view and covers the open space, and by closing the window it disappears from view.

It acts as a safety device for children, as they are generally in the habit of leaning out of the open window. The Bois Rolling Screen prevents this, because the screen can not be pushed out of place. They can be fitted to any double hung window.

Send for illustrated catalog to Bois Rolling Screen Co., 477-479 Sixth St., San Francisco.

When writing please mention the "Builder."

State Harbor Board Open New Bids.

Healy Tibbitts Construction Co. Low on Constructing Pier No. 24 and Will Probably be Awarded Job.

Bids were opened at the regular Thursday meeting of the State Board of Harbor Commissioners for constructing Pier No. 24, a creosoted pile and timber structure, designed by Assistant State Engineer Newman. Healy-Tibbitts Constr. Co. were low at \$98,300. No official award has been

made. Following is a complete list of the bids received:

Constructing Pier No. 24.

F. Rolandi	\$105,300
Mercer, Fraser Co.....	102,788
Pacific Constr. Co.....	99,940
Thomson Bridge Co.....	101,875
Ross Constr. Co.....	98,720
Duncanson-Harrelson Co..	99,845
Healy-Tibbitts Constr. Co..	98,300

Building Contracts Awarded.

San Francisco

No.	Owner	Contractor	Amt.
109	Schloss	United Dec	719
110	Cardashian	Northern	
111	Ballestrassi	Cavaglieri	1900
112	Chase	Chase	500
113	Christal	Christal	400
114	Thornton	Thornton	3500
115	Nelson	Nelson	3000
116	Green	Novelty	3000
117	Dettner	Dettner	400
118	Hoffman	Federal	800
119	Theriot	Theriot	600
120	Galli	Galli	400
121	Podjarsky	Bunde	750
122	Engle	Swanson	450
123	Harris	Judd	500
124	Berozzi	Cal Cptr	500
125	Scoble	Scoble	9000
126	P P I E	Western	19755
127	Sheehan	Sullivan	1732
128	Drago	De Bendetti	3597
129	Lazdari	Gigli	4450
130	Donahue	Colman	4750
131	Carlegie Inst.	Johnson	1307
132	Dowie	MacArthur	2450
133	Red Men	von Glahn	195
134	Mergen	Elvin	3445
135	Pacific Rlty	Fletcher	7472
136	Same	Adler	3500
137	Stoeckle	Leigh	2600
138	Pacific Realty	Fletcher	4270
139	Same	Adler	1480
140	Rushton	Rushton	4000
141	Rushton	Rushton	4000
142	Green	Federal Sign	950
143	Selig	Coggins	400
144	Green	Green	900
145	Duxbury	Duxbury	700
146	Gillespie	Howard	1000
147	Schwartz	Bahr	450
148	Abbott	Abbott	500
149	Sungerl	Sungerl	400
150	Woodward	McMullin	4200
151	Fireman's Fund	Forbes	1935
152	Addlestone	Grant	1297
153	Drury	Bell	1110
154	Phelan	Wilson	6100
155	Green	Green	475
156	Green	Green	475
157	Green	Green	475
158	Roettger	Roettger	4900
159	Cuneo	Burmann	1400
160	Wagner	Wagner	1500
161	McCauley	McCauley	1000
162	Kincanon	Kincanon	20000
163	Merto Invst	Owner	17500
164	Westphal	Anderson	1025

EXHIBIT BOOTH

(109) EXPOSITION SITE. All work for exhibition booth in Varied Industries Building.

Owner.....Schloss Manufacturing Co., 42 Beale, San Francisco.

Architect...Bernard J. Joseph, First National Bank Bldg., S. F.

Contractor..United Decorating Co.

Filed Jan. 11, '15. Dated Jan. 5, '15.

Frame up, rough electric work

and general mill work in place...\$200

Completed and accepted..... 339

Usual 35 days..... 180

TOTAL COST, \$719

Bond, \$360. Surety, United States Fi-

delity & Guaranty Co. Limit, 25 days.

Forfeit, none. Plans and specifications

filed.

(110) EXPOSITION SITE. All work for various buildings for the Mysterious Orient in the Zone.

Owner.....V. Cardashian.

Architect...None.

Contractor..Northern Constr. Co., Mer-

chants' Erchange Bldg.,

San Francisco.

Filed Jan. 11, '15. Dated Jan. 8, '15.

Payments every Saturday morn-

ing before 10 o'clock, for full

amount of pay roll for past week.

Contractor shall be paid on 1st of

each month for material, etc.....

CONTRACTOR to receive 10% of total

cost of all labor and materials

Bond, none. Limit, rapidly as prac-

tical. Forfeit, plans and specifications,

none.

FRAME COTTAGE

(111) W POTRERO AVE 119 S 19th

S 25xW 100. All work for one-story

and basement frame cottage.

Owner.....Giovanni and Emiglia

Ballestrassi.

Architect...O. E. Evans, 2367 Mission,

San Francisco.

Contractor..G. Cavaglieri, 593 Potrero

Ave., San Francisco.

Filed Jan. 11, '15. Dated Jan. 2, '15.

Frame up\$425

Brown coated 425

Finished 425

Usual 35 days..... 425

TOTAL COST, \$1900

Bond, none. Limit, 70 days. Forfeit,

none. Plans and specifications filed.

FRAME DWELLING

(112) NO. 2105 LARKIN (rear). One-

story and basement frame dwlg.

Owner.....Ellen Chase, Premises.

Architect...J. J. Foley, 46 Kearny,

San Francisco.

Day's work. COST, \$500

ALTERATIONS

(113) NO. 1271 PINE. Alter garage

into offices.

Owner.....Mary E. Christal, Prem.

Architect...None.

Day's work. COST, \$400

FRAME FLATS

(114) W FIFTH AVE 275 S Irving.

Two-story and basement frame flats.

Owner.....Thos. Thornton, 1562 11th

Ave., San Francisco.

Architect...None.

Day's work. COST, \$3500

FRAME DWELLING & GARAGE

(115) W TWENTY-SIXTH AVE 168 N

Clement. Two-story and basement

frame dwelling and garage.

Owner.....Emil Nelson, 244 Rivoli,

San Francisco.

Architect...None.

Day's work. COST, \$3000

ELECTRIC ROOF SIGN

(116) NO. 975 MARKET. Electric roof

sign.

Owner.....J. Chas. Green, Valencia

near 14th, S. F.

Architect...None.

Contractor..Novelty Elec. Sign Co., 165

Eddy, San Francisco.

COST, \$3000

RETAINING WALL

(117) SE UPPER TERRACE AND

Masonic. Retaining wall.

Owner.....E. H. Dettner, 523 Dolores,

San Francisco.

Architect...None.

Day's work. COST, \$400

ELECTRIC SIGN

(118) NO. 2033 CHESTNUT. Electric

sign.

Owner.....Geo. Wm. Hoffman Co., 112

Market, San Francisco.

Architect...None.

Contractor..Federal Elec. Sign Co.,

257 8th, San Francisco.

COST, \$800

ALTERATIONS

(119) NO. 2075 CHESTNUT. Alter

for store.

Owner.....J. P. Theriot, Lessee.

Architect...None.

Day's work. COST, \$600

FRAME BOARDING HOUSE

(120) NE LOMBARD & WEBSTER.

One-story frame boarding house.

Owner.....A. Galli, Premises.

Architect...None.

Day's work. COST, \$400

FRAME STORE

(121) No. 2127 CHESTNUT. One-

story frame store.

Owner.....Podjarsky & Carrissimi,

2814 Greenwich, S. F.

Architect...C. A. Bunde 2803 Chest-

nut, San Francisco.

Contractor..Bunde & Sasso, 2803

Chestnut, San Francisco.

COST, \$750

ALTERATIONS

(122) NO. 3314 FILLMORE. Raise

and alter.

Owner.....W. J. Engle, Oakland.

Architect...None.

Contractor..E. M. Swanson, 3314 Fill-

more, San Francisco.

COST, \$450

FRAME STORE

(123) NO. 3241 SCOTT. One-story

frame store.

Owner.....Joseph M. Harris, Angelus

Hotel, San Francisco.

Architect...None.

Contractor..Chas. M. Judd, 2135 Geary

San Francisco

COST, \$500

ALTERATIONS

(124) NO. 615 MARKET. Alter for

restaurant.

Owner.....Chas. Berozzi, 505 Market,

San Francisco.

Architect...None.

Contractor..California Carpenter Shop

Co., 1249 Bryant, S. F.

COST, \$500

FRAME FLATS

(125) W PALM AVE 66-8 N Euclid

Ave. Two-story and basement

frame (4) flats.

Owner.....Thos. Scoble, 363 4th Ave.

San Francisco.

Architect)...E. E. Young, 215 Kearny,

San Francisco.

Day's work. COST, \$9000

WATER FRONT ENTRANCE

(126) W WEBSTER 150 N Jefferson W

65 N 260 E 150 S 260 W 85. All work

for water front entrance.

Owner.....Panama-Pacific Interna-

tional Exposition Co.

Architect...Jos. J. Rankin.

Contractor..Western Bldg. & Eng. Co.,

Inc., 37 Belvedere, S. F.

Filed Jan. 12, '14. Dated Dec. 17, '14.

As work progresses..... 75%

Usual 35 days..... 25%

TOTAL COST, \$19,755

Bond, \$11,000. Surety, Globe Indem-

nity Co. Limit, Feb. 15, 1915. Forfeit,

\$50. Plans and specifications filed.

MOVING, REPAIRING ETC.

(127) S EIGHTEENTH, bet. Douglass

and Clover; Nos. 4579 and 4581 18th St.

All work for moving, repairing, etc., for two-story frame flat building.
 Owner.....Johanna Sheehan, 4579 18th, San Francisco.
 Architect...Lewis M. Gardner, Phelan Bldg., San Francisco.
 Contractor...D. J. and T. Sullivan, 1940 Folsom, San Francisco.
 Filed Jan. 12, '15. Dated Dec. 15 '14.
 Moved back to new location and ready for occupancy.....\$ 489
 When building moved back to its former location and contract completed 1243
TOTAL COST, \$1732
 Bond, none. Limit, when required.
 Forfeit, none. Specifications only filed.

FRAME RESIDENCE
 (128) S FRANCIS 100 W Mission W 25xS 150. All work for two-story and basement frame residence.
 Owner.....Catherine Drago, 204 Alemany Ave., San Francisco.
 Architect...Chas. Fantoni, 916 Kearny San Francisco.
 Contractor...A. De Benedetti & G. Cuneo, 20 Cotter, S. F.
 Filed Jan. 12, '14. Dated Jan. 9, '15.
 Building roofed\$899.25
 Brown coated 899.25
 Completed and accepted..... 871.25
 Usual 35 days..... 899.25
TOTAL COST, \$3597.00
 Bond, \$1798.50. Sureties, Pio De Martini and J. Villa. Limit, 90 days. Forfeit, \$2. Plans and specifications filed.

STORE AND FLATS
 (129) S CHESTNUT 165 W Pierce W 27-6xS 137-6. All work except concrete foundations and cement floorings for three-story frame store and flats.
 Owner.....Lorenzo Lazzari, 2241 Chestnut, San Francisco.
 Architect...Paul J. Capurro, 1844 Powell, San Francisco.
 Contractor...A. Gigli.
 Filed Jan. 12, '15. Dated Jan. 5, '15.
 Roof on\$1112.50
 Brown coated 1112.50
 Completed and accepted.... 1112.50
 Usual 35 days..... 1112.50
TOTAL COST, \$4450.00
 Bond, \$2225. Surety, G. Andriano. Limit, 75 days. Forfeit, \$5. Plans and specifications filed.

FRAME RESIDENCE
 (130) E THIRTY-SECOND AVE 250 N California N 25xE 120. All work for two-story and basement frame residence.
 Owner.....Mrs. W. M. Donahue.
 Architect...Charles Peter Weeks, Mutual Bank Bldg., S. F.
 Contractor...Collman & Collman, Sharon Bldg., S. F.
 Filed Jan. 12, '15. Dated Jan. 11, '15.
 Frame up and roof on.....\$1187.50
 Brown coated 1187.50
 Completed and accepted.... 1187.50
 Usual 35 days..... 1187.50
TOTAL COST, \$4750.00
 Bond, \$2375. Surety, Fidelity & Deposit Co. of Maryland. Limit, 80 days from Jan. 15, 1915. Forfeit, \$5. Plans and specifications filed.

EXHIBIT BOOTH
 (131) EXPOSITION SITE. Carpenter, mill and plaster for booth in Palace of Education.
 Owner.....Carnegie Institute of Washington, D. C.
 Architect...Ellis & Paville, Balboa Bldg., San Francisco.

Contractor...J. Harold Johnson, 732 9th Ave., San Francisco.
 Filed Jan. 12, '15. Dated Jan. 8, '15.
 On 1st of each month..... 75%
 30 days after..... 25%
TOTAL COST, \$1307
 Bond, \$655. Surety, Edwin G. Benkman Limit, Feb. 12, 1915. Forfeit, \$5. Plans and specifications filed.

FRAME RESIDENCE
 (132) E TWENTY-SIXTH AVE 175 N "I" 25x120. All work for two-story frame residence.
 Owner.....Mrs. K. T. Dowie, 1751 Union, San Francisco.
 Architect...MacArthur Bros.
 Contractor...H. E. and T. W. McArthur 1560 Fell, San Francisco.
 Filed Jan. 13, '15. Dated Dec. 29, '14.
 Frame up\$612.50
 Brown coated 612.50
 Accepted 612.50
 Usual 35 days..... 612.50
TOTAL COST, \$2450.00
 Bond, \$1225. Surety, Pacific Coast Casualty Co. Limit, 90 days. Forfeit, none. Plans and specifications filed.

PAINTING
 (133) NO. 240 GOLDEN GATE AVE N side bet Leavenworth and Hyde. All work for painting portions of building.
 Owner.....Red Men's Hall Ass'n.
 Supt.A. Jackson.
 Contractor...George von Glahn.
 Filed Jan. 13, '15. Dated Jan. 12, '15.
 On completion 75%
 Usual 35 days..... 25%
TOTAL COST, \$195
 Bond, \$100. Surety, The United States Fidelity & Guaranty Co. Limit, forfeit, none. Specifications only filed.

FRAME STORES
 (134) SW FILLMORE & CHESTNUT W 110 S 90 E 30 N 50 E 80 N 40. All work for one-story frame stores.
 Owner.....M. B. Mergen & O. M. Preston, 625 Market, S. F.
 Architect...None.
 Contractor...Arthur Elvin, 425 Castenada Ave., San Francisco.
 Filed Jan. 13, '15. Dated Jan. 12, '15.
 Foundations and concrete floor in\$850
 Roof on 850
 Completed and accepted..... 850
 15 days after..... 895
TOTAL COST, \$3445
 Bond, \$1725. Surety, Massachusetts Bonding & Insurance Co. Limit, 30 days. Forfeit, none. Plans and specifications filed.
 NOTE:—Plans prepared by Fabre & Bearwald.

ALTERATIONS
 (135) NOS. 2101, 2103, 2105, 2107, 2109 2115 Pacific Ave; SW Pacific Ave and Laguna W 137-6 S. 127-8¼ E 41-6 N 33 E 96 N 94-8¼; S Pacific 167-6 W Laguna W 60xS127-8¼. Alterations and additions except repairing roofs and painting of buildings.
 Owner.....The Pacific Realty Co., Chronicle Bldg., S. F.
 Architect...Chas. C. Frye, 20 Montgomery, San Francisco.
 Contractor...Jas. P. Fletcher, 110 Jessie San Francisco.
 Filed Jan. 13, '15. Dated Jan. 2, '15.
 Payments every 30 days..... 75%
 Usual 35 days..... 25%
TOTAL COST, \$7472.50
 Bond, \$3740. Surety, Pacific Coast

Casualty Co. Limit, 45 days. Forfeit, \$20. Plans and specifications filed.

(136) PAINTING AND TINTING ON above.
 Contractor...Adler & Lewis.
 Filed Jan. 13, '15. Dated Jan. 2, '15.
 1st coat paint on.....\$1000
 Completed and accepted..... 1625
 Usual 35 days..... 875
TOTAL COST, \$3500
 Bond, \$1750. Surety, Pacific Coast Casualty Co. Limit, 45 days. Forfeit, \$20. Plans and specifications filed.

FRAME DWELLING
 (137) NW LOWER TERRACE (Uranus) 164-4 10-12 SW 17th SW 27-4 5-12 W 89 N 25 E 100.33 Lot 17 Blk "F" Park Lane Tract No. 4. All work for five-room and basement frame dwelling.
 Owner.....Henry C. and Ethel L. Stoeckle, 36 Diamond, S. F.
 Architect...Leigh & Schultz.
 Contractor...Leigh & Schultz, 419 21st Ave., San Francisco.
 Filed Jan. 13, '15. Dated Dec. 26, '14
 Walls up and roof on.....\$650
 Brown coated 650
 Completed and accepted..... 650
 Usual 35 days..... 650
TOTAL COST, \$2600
 Bond, \$1300. Surety, Fidelity & Deposit Co. of Maryland. Limit, 90 days. Forfeit, \$1. Plans and specifications filed.

ALTERATIONS
 (138) N CALIFORNIA 106-3 E Steiner N 132-8¼xE 99. Alterations and additions except hardwood floors and painting to building.
 Owner.....The Pacific Realty Co., Chronicle Bldg., S. F.
 Architect...Chas. C. Frye, 20 Montgomery, San Francisco.
 Contractor...Jas. P. Fletcher, 110 Jessie San Francisco.
 Filed Jan. 13, '15. Dated Jan. 2, '15.
 Payments every 30 days of.... 75%
 Usual 35 days..... 25%
TOTAL COST, \$4270
 Bond, \$2135. Surety, Pacific Coast Casualty Co. Limit, 45 days. Forfeit, \$20. Plans and specifications filed.

(139) PAINTING AND TINTING ON above.
 Contractor...Adler & Lewis.
 Filed Jan. 13, '15. Dated Jan. 2, '15.
 1st coat paint on.....\$450
 Completed and accepted..... 660
 Usual 35 days..... 370
TOTAL COST, \$1480
 Bond, \$740. Surety, Pacific Coast Casualty Co. Limit, 45 days. Forfeit, \$20. Plans and specifications filed.

FRAME FLATS
 (140) W NINTH AVE 325 S Cabrillo. Two-story and basement frame flats.
 Owner.....C. A. Rushton, 714 9th Ave., San Francisco.
 Architect...H. E. Harris, Monadnock Bldg., San Francisco.
 Day's work. COST, \$4000

FRAME FLATS
 (141) W NINTH AVE 300 S Cabrillo. Two-story and basement frame flats.
 Owner.....C. A. Rushton, 714 9th Ave., San Francisco.
 Architect...H. E. Harris, Monadnock Bldg., San Francisco.
 Day's work. COST, \$4000

STEEL ROOF SIGN

(142) SW HOWARD AND SPEAR.
Steel roof sign.
Owner.....J. Chas. Green & Co., 14th
and Valencia, S. F.
Architect...None.
Contractor...Federal Sign System, 257
8th, San Francisco.
COST, \$950

REPAIRS

(143) SW ASH & VAN NESS AVES.
Repair store.
Owner.....Edwin Selig, St. James
Hotel, San Francisco.
Architect...None.
Contractor...L. M. Coggins, 115 Turk,
San Francisco.
COST, \$400

BILLBOARD

(144) LOMBARD, CHESTNUT, OC-
tavia and Laguna. Erect bill board.
Owner.....J. Chas. Green Co., 273
Valencia, San Francisco.
Architect...None.
Day's work. COST, \$900

ALTERATIONS

(145) NO. 1662 HAYES. Alter flats,
new plumbing, re-plastering and re-
pairs.
Owner.....Morman Duxbury, 126 La-
guna, San Francisco.
Architect...None.
Day's work. COST, \$700

ALTERATIONS

(146) NO. 335 STOCKTON. Alter bath
house.
Owner.....Dr. George D. Gillespie,
Elkan Gunst Bldg., S. F.
Architect...None.
Contractor...F. H. Howard, Geary and
Buchanan, San Francisco.
COST, \$1000

FIXTURES

(147) NO. 898 MISSION. Install fix-
tures for cigar stand.
Owner.....Schwartz & McCabe, Prem.
Architect...None.
Contractor...Bahr Woodworking Co.,
355 Valencia, S. F.
COST, \$450

ALTERATIONS

(148) NO. 345 HAIGHT. Concrete
floor and walks and new roof.
Owner.....Wm. M. Abbott, 425 Kear-
ny, San Francisco.
Architect...W. H. Crim Jr., 425 Kear-
ny, San Francisco.
Day's work. COST, \$500

ALTERATIONS

(149) NO. 308 PRECITA AVE. Alter-
ations.
Owner.....B. Sungeri.
Architect...None.
Day's work. COST, \$100

ALTERATIONS

(150) S BUSH 109 E Van Ness Ave.
Alterations and additions to machine
shop.
Owner.....George H. Woodward, 1465
Bush, San Francisco.
Architect...None.
Contractor...McMullin-von Voorhies Co
1290 12th Ave., S. F.
Filed Jan. 14, '15. Dated Jan. 8, '15.
Basement walls up.....\$1050
Roof boards on.....1050
Accepted.....1050
Usual 35 days.....1050
TOTAL COST, \$4200
Bond, \$2100. Surety, Massachusetts

Bonding & Insurance Co. Limit, 40
days. Forfeit, none. Plans and speci-
fications filed.

COUNTERS

(151) SE SANSOME AND CALIFOR-
nia. Furnishing and installing
counters of West Coast mahogney.
Owner.....Fireman's Fund Insurance
Co., Insurance Exchange
Bldg., San Francisco.
Architect...Lewis P. Hobart, Crocker
Bldg., San Francisco.
Contractor...A. J. Forbes & Son, 1530
Filbert, San Francisco.
Filed Jan. 14, '15. Dated Jan. 11, '15.
On 15th of each month..... 75%
Usual 35 days..... 25%
TOTAL COST, \$1935
Bond, \$975. Surety, Pacific Coast Casu-
alty Co. Limit, Feb. 15, 1915. Forfeit,
none. Plans only filed.

STORE BUILDING

(152) SW PIERCE & CHESTNUT 110
on S Chestnut and 25 on W Pierce.
All work except brick work, cement
steps, tile work, marble work, picture
moulding, etc., for one-story store
building.
Owner.....Fred Addlestone, Jacob
Finkelstein and M. Black-
field.
Architect...None.
Contractor...W. E. Grant, 1032 Irving,
San Francisco.
Filed Jan. 15, '15. Dated Jan. 13, '15.
When contract filed.....\$200
Frame up.....200
Roof on and floor down.....200
Brown coated.....250
Building finished.....447
TOTAL COST, \$1297
Bond, none. Limit, 30 days after permit
issued. Forfeit, none. Plans and
specifications filed.

ALTERATIONS

(153) S BUSH 103-0% E Grant Ave E
34-5%XS 60. Alterations and addi-
tions to one-story frame building.
Owner.....Agnes V. Drury.
Architect...J. C. Hladik, Monadnock
Bldg., S. F.
Contractor...W. R. Bell.
Filed Jan. 15, '15. Dated Jan. 12, '15.
Brick work completed.....\$277.50
Side walk completed.....277.50
Completed and accepted.....277.50
Usual 35 days.....277.50
TOTAL COST, \$1110.00
Bond, \$555. Surety, Pacific Coast
Casualty Co. Limit, 30 days. Forfeit,
\$10. Plans and specifications filed.

CLASS "C" RESIDENCE, ETC

(154) N WASHINGTON 137-6 W Oc-
tavia W 137-6xN 255-4%. Plumbing,
sewer work, gas fitting and provid-
ing and installing water heater and
hot water tank, piping for vacuum,
etc., for three-story and basement
Class "C" residence and garage.
Owner.....Mary Louise Phelan, 1840
California, San Francisco.
Architect...Charles Peter Weeks, Mu-
tual Bank Bldg., S. F.
Contractor...Wm. F. Wilson, 330 Mason
San Francisco.
Filed Jan. 15, '15. Dated Jan. 12, '15.
On 1st of each month..... 75%
Usual 35 days..... 25%
TOTAL COST, \$6100
Bond, \$3050. Surety, New England
Casualty Co. Limit, 120 days. Forfeit,
none. Plans and specifications filed.

ROOF SIGN

(155) SW CHESTNT AND PIERCE.
Roof sign.
Owner.....J. Chas. Green, 273 Val-
encia, San Francisco.
Architect...None.
Day's work. COST, \$475

ROOF SIGN

(156) SE CHESTNUT AND SCOTT.
Roof sign.
Owner.....J. Chas. Green, 273 Val-
encia, San Francisco.
Architect...None.
Day's work. COST, \$475

ROOF SIGN

(157) SE CHESTNUT AND SCOTT.
Roof sign.
Owner.....J. Chas. Green, 273 Val-
encia, San Francisco.
Architect...None.
Day's work. COST, \$475

FRAME FLATS

(158) E TWENTY-FOURTH AVE 275
N California. Two-story and base-
ment frame (2) flats.
Owner.....Fred Roettger, 272 12th
Ave., San Francisco.
Architect...None.
Day's work. COST, \$4900

DWELLING

(159) SE MADRID 175 NE Peru. One
story and basement frame dwelling.
Owner.....J. Cuneo and E. P. Bur-
mann, 40 Martha Ave., S. F.
Architect...None.
Day's work. COST, \$1400

FRAME DWELLING

(160) N NEBRASKA 100 S Powhattan
One-story and basement frame dwlg.
Owner.....Wm. C. Wagner, 15 Ne-
braska, San Francisco.
Architect...None.
Day's work. COST, \$1500

FRAME DWELLING

(161) E ROUSSEAU 125 S Bosworth.
One and one-half-story and base-
ment frame dwelling.
Owner.....Albert A. McCauley, 229
Granada, San Francisco.
Architect...None.
Day's work. COST, \$1000

BRICK APARTMENTS

(162) N POST 108-9 E Polk. Three-
story and basement brick (14) apart-
ments.
Owner.....J. G. Kincanon, 215 Mont-
gomery, San Francisco.
Architect...None.
Day's work. COST, \$20,000

FRAME TENEMENTS

(163) E JONES 97-6 S Pine. Three-
story and basement frame (6) tene-
ments.
Owner.....Metropolis Investment Co.,
333 Kearny, S. F.
Architect...Rousseau & Rousseau,
Monadnock Bldg., S. F.
Day's work. COST, \$17,500

RETAINING WALL

(164) S CITY HALL AVE & GROVE
E 87.75 from Larkin E 31.60 SE 53.481
on Grove. All work for reinforced
concrete retaining wall.
Owner.....H. W., C. H., Otto F. West-
phal, Edie W. Gonzales and
E. W. Westphal, NE Bat-
tery and Sansome, S. F.

Architect...Edmund S. Conoffrath, 560
Belvedere, San Francisco.
Contractor...Gustave Anderson.
Filed Jan. 16, '15. Dated Jan. 15, '15.
Frame up\$250
When closed 250
When completed 275
Usual 35 days..... 250
TOTAL COST, \$1025
Bond, \$525. Sureties, Gustave Ander-
son and J. R. Carrick. Limit, 30 days.
Forfeit, \$5. Plans and specifications
noted

COMPLETION NOTICES.

San Francisco

Jan. 8, 1915—BLK BDED BY HUM-
boldt, 23rd, Georgia and Louisiana
Pacific Gas & Elec Co to Herman
BoschDec. 30, 1915
Jan. 9, 1915—SW LYON & TONQUIN
W 400 N 250 E 450 S 250. Panama-
Pacific International Commission
State of New York to Rhody-Ringrose & Son..
.....Jan. 9, 1915
Jan. 9, 1915—SW LYON & TONQUIN
W 400 N 250 E 450 S 250. Panama-
Pacific International Commission
State of New York to Rhody-Ring-
rose & Son.....Jan. 9, 1915
Jan. 9, 1915—SW LYON & TONQUIN
W 400 N 250 E 450 S 250. Panama-
Pacific International Commission
State of New York to Chas Wright
.....Jan. 9, 1915
Jan. 9, 1915—SW LYON & TONQUIN
W 400 N 450 to Lyon S 250 to beg.
Panama-Pacific International Com-
mission State of New York to Chas
WrightJan. 9, 1915
Jan. 9, 1915—S GREEN 25 E Laguna
S 100xE 23-3. M A or Mario A
Spinetti and F P or Flavio P
Spinetti to John Morchio..Jan. 7, 1915
Jan. 11, 1915—N NEWTON 160 E
Morse 33x100 being Lots 7 and 8
Blk 7, Syndicate 1st Add'n to S F
W Gregg to W Gregg..Jan. 11, 1915
Jan. 11, 1915—S CUMBERLAND 130
W Church W 25xS 114. Lorenzo
Fustini to G Cavaglieri..Jan. 11, '15
Jan. 11, 1915—NW FILLMORE AND
Page; No. 401 Fillmore 17 N on
Fillmore and 110 W on Page. Mary
M Fitzgerald to A C Madden.....
.....Jan. 7, 1915
Jan. 12, 1915—EXPOSITION SITE.
Albert Scowcroft and Chas Zirmer
to whom it may concern..Jan. 2, 1914
Jan. 12, 1915—EXPOSITION SITE.
Panama-Pacific International Ex-
position Co to Strehlow, Freese &
Petersen.....Jan. 4, 1915
Jan. 12, 1915—W ELEVENTH AVE
175 N Balboa 25x120. Alfred T
Morris to whom it may concern..
.....Jan. 11, 1915
Jan. 12, 1915—S PACIFIC AVE 32-6
E Walnut E 110xS 127-8 1/2. Kath-
erine P Hooker to Mangrum &
Otter, Jan. 4; J H Keefe Co.....
.....Jan. 7, 1915
Jan. 12, 1915—S OTARRELL 139 E
Van Ness Ave E 52-6x120 to Olive
Ave. Martin S Shaw to whom it
may concern.....Jan. 12, 1915
Jan. 13, 1915—E THIRTY-SECOND
Ave 540 N California N 30xE 107-6.
Florence L Prentice to S A Born
Bldg Co.....Jan. 4, 1915
Jan. 13, 1915—N SUTTER 85-3 E
Powell E 52-3xN 137-6. J D Phelan
to McGowan & Butler..Jan. 12, 1915
Jan. 13, 1915—E NINTH AVE, bet.
"J" and "K." Catherine Curry to
Jos ConradJan. 7, 1915

Jan. 13, 1915—SE GROVE & CLAY-
ton E 106-3xS 40. Louis D Stoff to
Louis D Stoff.....Jan. 13, 1915
Jan. 14, 1915—N FILBERT 137-6 E
Powell E 137-6xN 160. Roman
Catholic Archbishop of S F to
Louis Cereghino & Son (2 com-
pletions).....Jan. 5, 1915
Jan. 14, 1915—SE EIGHTEENTH &
Kansas E 94xS 22. Mrs D Corco-
liotis and Mary Milas to F A Han-
senNov. 20, 1914
Jan. 14, 1915—NE FOURTH AVE &
Fulton E 31-3xN parallel with 4th
Ave 95. John J Sullivan to L C
Woodridge.....Jan. 13, 1915
Jan. 14, 1915—EXPOSITION SITE.
The Iowa Commission to the
Panama-Pacific International Ex-
position Co to The Electrical Con-
struction Co.....Jan. 11, 1915
Jan. 14, 1915—W SIXTEENTH AVE
254 N Clement 25x120. Gustav
Peterson to whom it may concern
.....Jan. 14, 1915
Jan. 14, 1915—LOT 27 Allen & Co's
Sub of Winsor Terrace. Harry B
and Laurence D Allen to whom it
may concern.....Jan. 8, 1915
Jan. 14, 1915—LOT 29 Allen & Co's
Sub of Winsor Terrace. Harry B
and Laurence D Allen to whom it
may concern.....Jan. 8, 1915
Jan. 14, 1915—SE TWENTY-FIFTH
and Grove S 60xE 90, Oakland. St.
George Hall Ass'n to George Dixon
.....Jan. 12, 1915
Jan. 15, 1915—N TONQUIN 100 E
Steiner S 1100xW 581.25. Panama-
Pacific International Exposition Co
to Strehlow, Freese & Petersen..
.....Jan. 14, 1915
Jan. 15, 1915—E EUREKA 125 S 18th
S 25xE 125. Sallie Clot to Wm L
Terry.....Jan. 5, 1915
Jan. 15, 1915—EXPOSITION SITE.
Panama-Pacific International Ex-
position Co to McSheehy Bros.....
.....Jan. 4, 1915
Jan. 15, 1915—SE GREEN & FILL-
more S 86-6xE 70-5. Bertha Ober-
feld to Al Leaf, Cramer Bros,
Henry Kelly, Collonan Elec Mfg
Co & California Mill Co..Jan. 5, 1915
Jan. 15, 1915—S PACIFIC AVE 32-6
E Walnut E 110xS 127-8 1/2. Kath-
erine P Hooker to C W Farrow..
.....Jan. 15, 1915
Jan. 15, 1915—N EDINBURGH AND
Peru (India Ave) NW 25xNE 100.
Catherine Amrhein to New Era
Bldg Co.....Dec. 15, 1914

LIENS FILED

SAN FRANCISCO COUNTY.

Jan. 9, 1915—NW MARKET AND W
East N along East to S Commercial
W along Commercial to a pt 481-8
E Drumm S 59-9 E 45-8 S 59-4
to a pt on N Sacramento 527-4 E
Drumm E along Sacramento to in-
tersection with NW Market NE to
beg, being City Slip Lots 118, 119,
121 and 122. L A Norris Co vs
Henry Lucas Day and Chas Austin
Day (as Thomas H Day's Sons) and
Henry Cowell Lime & Cement Co..
.....\$1163.49
Jan. 9, 1915—NW TWENTIETH AND
Carolina N 100xW 25. Edward D
Swift (as Swift & Co) vs Salvatore
Ballistreri and C R Orsell...\$163.70
Jan. 9, 1915—NW STOCKTON AND
Post W 137-6xN 137-6. J R Schroe-
der vs Wm F and Blanch M Bur-
bank\$2552

Jan. 9, 1915—SW TONQUIN AND
Lyon W 450xN 250. Baker &
Hamilton vs Panama-Pacific Com-
mission, State of New York and
Neil A McLean.....\$724.40
Jan. 11, 1915—NE FOURTH AVE &
Cabrillo (C) N 35xE 95. Marshall
& Stearns vs D Condon.....\$204
Jan. 11, 1915—NE CABRILLO & 4TH
Ave N 35xE 95. Morris Stulsaft Co
vs David Condon and H O Bowen..
.....\$354.40
Jan. 11, 1915—NE CABRILLO (C) &
Fourth Ave N 32xE 95. Thos
Leonard and J E Davenport (as
Leonard Lumber Co), \$1623.98; P J
Sullivan and E J Nutting (as
Spencer St. Planing Mill, \$886.40
vs David Condon.....
Jan. 12, 1915—NE CABRILLO (C) &
4th Ave N 35xE 95. Hardwood In-
terior Co vs David Condon....\$230
Jan. 12, 1915—NW MARKET AND N
Sacramento NE 23-3 1/2 m or l to W
Embarcadero (East) NW along
Embarcadero to a point formed by
intersection of W Embarcadero &
S Commercial W 38-3 1/2 m or l to
a point 481-8 E Drumm S 59-9 E
45-8 S 59-9 m or l to a pt on N
Sacramento 527-4 E Drumm th
along Sacramento to beg. Central
Elec Co vs Henry Cowell Lime &
Cement Co and Thos H Day's Sons
.....\$882.65
Jan. 12, 1915—PTN LANDS BDED
on W by Illinois; S by 20th; N by
19th and E by Bay of S. F. Healy
Tibbitts Constr Co vs Union Iron
Works Co and Thos H Day's Sons..
.....\$415.75
Jan. 13, 1915—N PINE 87-6 W San-
some W 50xN 137. John A Roeb-
ling's Sons Co of California vs Mc-
Creery Estate Co.....\$203.08
Jan. 13, 1915—N PINE 87-6 W San-
some W 50xN 137-6. N F Nielsen,
\$165.85; I Cohen, \$58 vs Richard S
McCreery and Mercantile Trust Co,
exrs Estate Andrew B McCreery,
dec'd and E F Burke.....
Jan. 13, 1915—N PINE 87-6 W San-
some W 50xN 137-6. Pacific Port-
land Cement Co, Consolidated,
\$170.75; Pacific Mfg Co, \$419.40 vs
McCreery Estate Co and E F Burke
Jan. 13, 1915—NW STOCKTON AND
Post W 137-6xN 137-6. Hooper
Lumber Co vs Blanche M Burbank
and Continental Fireproofing Co..
.....\$1327.21
Jan. 13, 1915—NW POST & STOCK-
ton N 137-6xW 137-6. Genevieve
Granfield (as San Francisco Dray-
age Co) vs Blanche M Burbank....
.....\$150.50
Jan. 13, 1915—NW STOCKTON AND
Post N 137-6xW 137-6. John Mc-
Guigan (as John McGuigan & Co)
vs Blanche M Burbank and Conti-
nental Fireproofing Co.....\$972
Jan. 13, 1915—N PINE 87-6 W San-
some W 50xN 137-6. John H
Spark vs McCreery Estate Co and
E F Burke.....\$212
Jan. 13, 1915—N PINE 87-6 W San-
some W 50xN 137-6. J K Stewart
vs E F Burke and McCreery Estate
Co\$262
Jan. 13, 1915—N PINE 95 W Sansome
W 50xN 120. Parrott & Co vs Mc-
Creery Estate Co.....\$143.47
Jan. 13, 1915—NW POST & STOCK-
ton N 137-6xW 137-6. Pacific Port-
land Cement Co vs Blanche M Bur-
bank and Continental Fireproofing
Co\$2147.31
Jan. 13, 1915—NW POST & STOCK-

ton W 137-6xN 137-6. Standard Crushed Rock Co, \$1756.73; Gladding-McBean & Co, \$135.98 vs Blanche M Burbank and Continental Fireproofing Co.....\$146.98
 n. 13, 1915—NW MARKET & W The Embarcadero (East) N along Embarcadero to S Commercial W along Commercial to a point 481-8 E Drumm S 59-9 E 45-8 S 59-9 to a pt in N Sacramento 527-4 E Drumm E along N Sacramento to its intersection with NW Market NE to beg. Gladding-McBean & Co vs Henry Cowell Lime & Cement Co and Thos H Day's Sons..\$146.98
 n. 14, 1915—W TWENTY-THIRD Ave 215 S Uloa S 25xW 120. Harry Costen and Wm Schultz (as Richmond Sheet Metal Works) vs J H Claussen, Isadora Claussen and J H Haner.....\$72.80
 n. 14, 1915—N PINE 87-6 W Sansome W 50xN 137-6. Holmes Lime & Cement Co vs McCreery Estate Co.....\$64
 n. 14, 1915—N PINE 87-6 W Sansome W 50xN 137-6. White Bros vs E F Burke and McCreery Estate Co.....\$126.42
 n. 14, 1915—NW POST & STOCKTON N 137-6xW 137-6. Edward L Soule vs Blanche M Burbank and Continental Fireproofing Co..\$185.97
 n. 14, 1915—N PINE 87-6 W Sansome W 50xN 137-6. Elevator Supply & Repair Co vs McCreery Est Co, E F Burke and Chas Paff..\$254.50
 an. 14, 1915—N PINE 87-6 W Sansome W 50xN 137-6. The San Francisco Lime Co, \$11.50; S D Leclair, \$121.40; Pope & Talbot, \$19.50 Colander & Hallawell, \$22.25 vs McCreery Estate Co and E F Burke an. 14, 1915—N PINE 87-6 W Sansome W 50xN 137-6. United States Metal Products Co vs E F Burke, Richard S McCreery and Mercantile Trust Co of S F extras Estate Andrew B McCreery, Dec'd and McCreery Estate Co.....\$904.60
 an. 14, 1915—NW HAYES & BAKER N 55xW 121-10½. Inlaid Floor Co vs Geo H Chiossi and Geo M Perine.....\$202.50
 an. 15, 1915—N PINE 87-6 W Sansome W 50xN 137-6. Joost Bros, \$18.05; Malott & Peterson, Cpn, \$146; W & J Sloane, \$240.67 vs The McCreery Estate Co and E F Burke an. 15, 1915—N PINE 87-6 W Sansome W 50xN 137-6. The Columbia Marble Co vs Richard S McCreery and Mercantile Trust Co, Extrs Estate Andrew B McCreery, dec'd, McCreery Estate Co and E W Burke.....\$519.95
 an. 15, 1915—N O'FARRELL 74 W Larkin W 63-6xN 120. J H Kruse vs A Sundberg.....\$66.01
 an. 15, 1915—NW POST & STOCKTON N 137-6xW 137-6. Enterprise Elec Works, \$126.66; Bay Development Co, \$43.88 vs Continental Fireproofing Co and Blanche M Burbank.....
 an. 15, 1915—NW MARKET AND W The Embarcadero (East) N to S Commercial to a pt 481-8 E Drumm S 59-9 E 45-8 S 59-9 to a point on N Sacramento 527-4 E Drumm E along Sacramento to its intersection with NW Market NE along Market to beg. City Slip Lots 118, 119, 121 and 122. P H Jackson & Co vs Henry Cowell Lime & Cement Co, C A and H L Day (as Thos H

Day's Sons).....\$132.50
 Jan. 15, 1915—N PINE 87-6 W Sansome W 50xN 137-6. Pacific Lime & Gypsum Co vs The McCreery Est Co or Richard S McCreery and Mercantile Trust Co, Extrs Estate Andrew B McCreery, dec'd and E F Burke.....\$144.66
 Jan. 15, 1915—N PINE 87-6 W Sansome W 50xN 137-6. N Clark & Sons vs Richard S McCreery and Mercantile Trust Co of S F, Extrs Estate Andrew B McCreery, dec'd and McCreery Estate Co and E F Burke.....\$245

RELEASE OF LIENS

SAN FRANCISCO COUNTY.

Jan. 2, 1915—NE RAUSCH 100 SE Howard NE 112xSE 25. Reinhart Lumber & Planing Mill Co to Julius Svirbeley and J W Overton..
 Jan. 4, 1915—W LEAVENWORTH 87-6 N Turk N 50xW 37-6. G Bianchini and J S Guerin to Eisenbach Co and The General Bldg Work Company.....
 Jan. 4, 1915—W LEAVENWORTH 87-6 N Turk N 50xW 37-6. J S Guerin to Eisenbach Co and J J Philbin.....
 Jan. 5, 1914—SW TURK AND POLK S 120 W 97-6 N 30 E 30 N 90 E 67-6 A E Hornlein to John Galloway and Chas W Slack as extrs Est Reuben H Lloyd, dec'd.....
 Jan. 8, 1915—NW CALIFORNIA 82-10% SW from Fifth Ave SW 25-2 3-16 N parallel with Fifth Ave 122-11% E 25 S 110-5%. S J Sterner to J V De Ryana and Sidney B. Newsom.....
 Jan. 9, 1915—S ALVARADO 105 W Castro W 25xS 114. Victor Rosenbaum to The Greater City Lumber Co, Charles H and Nellie Mullen..
 Jan. 11, 1915—NW BRUNSWICK 153 SW Lowell — 25 NW 213 NE 25 — 213; Lots 52 and 53, West End Hd Ass'n. Geo W Peek to Abraham Clemo, Nellie Clemo and Chas T King.....\$53.35
 Jan. 11, 1915—SW MASON & JACKSON W 57-6xS 24. C Bloom to A Brisa, G Volpi and Antone Sambuck.....
 Jan. 12, 1915—N PAGE 100 E Fillmore. Gas & Electric Appliance Co, Inc to Margaret and Anna Carey..

OAKLAND AND ALAMEDA COUNTY.

ALAMEDA COUNTY EXHIBIT—\$3,500. San Francisco. Architect, C. W. Dickey, Central Bank Bldg., Oakland. Owners, Alameda County. The architect has prepared plans for a novel feature which will be a part of Alameda County's display at the Panama-Pacific International Exposition. This will consist of a large wheel, twenty feet in diameter, containing models of the Oakland City Hall, the Greek Theatre, hills and the conventional street wharves. The spokes of the wheel will represent the various railroad lines entering Oakland, while the sectors will be filled with landscape work, farms and factories. Outside of the wheel there will be three tracks with trains in motion, semaphores and semaphores in operation.

CANOE CLUB HOUSE—1 story, reinforced concrete, \$100,000. Oakland, Cal. Architect, Walter D. Reed, Oakland Bank of Savings, Oakland. Owners,

City of Oakland. The building will be erected on the north shore of Lake Merritt and has been designed in the Mission style. Practically the entire building will be arranged for the storage of canoes. There will be an office and retiring room. Interior finish will be of pine. Exterior of the building will be faced with cement plaster. A clay tile roof will be used. Plans are nearly complete and figures will be called for shortly. Further mention will be made of the work.

RESIDENCE — 2 story and base, frame, \$4,000. Oakland, Cal. Architect, Olin S. Grove, 2911 Telegraph avenue, Berkeley. Owner, E. A. Janssen. The dwelling will be erected on Perkins street and has been designed for a seven-room house with bath and sleeping porch. Interior finish will be of pine, redwood and white enamel. Hardwood floors will be used in the living and dining rooms and reception hall. There will be furnace heat and open fire places. Mantels will be of tile or brick. Bath room will have tile wainscot and floor. An automatic water heater will be installed. Exterior of the house will be covered with cement plaster on metal lath. Plans are now being prepared and when complete the work will be done by Day Labor.

RESIDENCE — 2 story and base, frame, \$4,000. Berkeley, Alameda Co., Cal. Architect, H. P. Smith, Blake Bldg., Oakland. Owner, P. O. Boyd, Key Route Inn. The dwelling will be erected on the north side of Eton Court near Claremont avenue and has been designed for a seven-room house with bath and sleeping porch. Interior will be finished in pine, redwood and hardwood. Hardwood floors will be used in the living and dining rooms and reception hall. Plans include furnace heat and open fire places. Mantels will be of tile or brick. An automatic water heater will be installed. Tile wainscot and floor will be used in the bath room. Exterior of the house will be covered with cement plaster on metal lath. Plans are complete and the work will be done by Day Labor under the direction of the architect.

RESIDENCE—2 story, attic and base, frame, \$15,000. Oakland, Cal. Architect, Chester H. Miller, Dalziel Bldg., Oakland. Owner's name withheld. The dwelling will be erected in Crocker Highlands, and has been designed for a ten-room house with two baths and sleeping porches. Interior finish will be of pine, redwood and hardwoods. White enamel will be used in the bed rooms. There will be a central heating system, probably furnace heat, and open fire places. Mantels will be of tile or brick. Bath rooms will be finished in tile and equipped with showers. An automatic water heater will be installed. Exterior of the dwelling will be covered with cement plaster on metal lath. A separate garage will be erected on the property. Plans are now being prepared.

RESIDENCE — 2 story and base, frame, \$5,000. Berkeley, Alameda Co., Cal. Architect, Olin S. Grove, 2911 Telegraph avenue, Berkeley. Owner, M. T. Bright. The dwelling will be erected on Woolsey street and has been designed to contain eight rooms, bath and sleeping porch. Interior will be finished in pine, redwood and hardwood. Some white enamel will be used in the bed rooms. Hardwood floors

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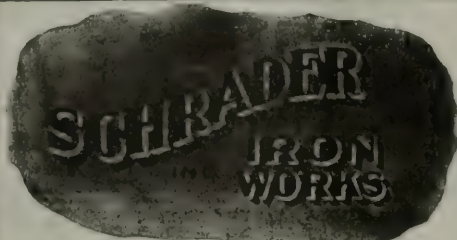
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will be used in the living room, dining room and reception hall. Plans provide for furnace heat and open fire places. Mantels will be of tile or brick. Bath room will have tile floor and wainscot. An automatic water heater will be installed. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are now being prepared.

RESIDENCE — 2 story and base, frame. Cost not stated. Oakland, Cal. Architect, John Hudson Thomas, First National Bank Bldg., Berkeley. Owner, C. S. Cherry. The dwelling will be erected in Rockridge Park and has been designed for a seven-room house with bath and sleeping porch. Interior finish will be of pine and hardwood veneer. Hardwood floors will be used in the living room, dining room and reception hall. Plans provide for furnace heat and open fire places. Mantels will be of tile or brick. An automatic water heater will be installed. Bath room will have tile floor and wainscot. Exterior of the house will be covered with cement plaster on metal lath. Plans are now being prepared.

RESIDENCE — 2 story and base, frame. Cost not stated. Berkeley, Alameda Co., Cal. Architect, Henry H. Gutterson, 60 Post street, S. F. Owner, Charles M. Dutton. The dwelling has been designed for an eight-room dwelling and will be erected in Claremont. There will be two baths and sleeping porch. Interior finish will be of pine, redwood and white enamel. Hardwood floors will be used throughout the first story. Plans provide for furnace heat and open fire places. Mantels will be of tile or brick. Bath rooms will have tile floors and wainscot. An automatic water heater is specified. Exterior of the house will be covered with cement plaster on metal lath. Plans are complete and figures are now being taken.

GARAGE — 1 story and base. Class A construction, \$14,000. Oakland, Cal. Architects, Oliver & Thomas, Pantages Theatre Bldg., Oakland. Owners, Sommarstrom Bros. The building will be designed for a commercial garage and will be erected on the east side of 21st street near 1st avenue. Interior will be finished in pine. A cement floor and special gasoline storage tanks are

specified. Exterior of the building will be faced with pressed brick. Plans are now being prepared and when complete the work will be done by Day Labor.

RESIDENCE — 2 story and base, frame, \$4,500. Berkeley, Alameda Co., Cal. Architect, H. P. Smith, Blake Block, Oakland. Owner, A. E. Webb. The dwelling will be erected in Boyd Court and has been designed for a seven room house with bath and sleeping porch. Interior finish will be of pine, redwood and white enamel. Hardwood floors will be used in the living room, dining room and reception hall. There will be furnace heat and open fire places. Mantels will be of tile or rick. Bath room will have tile wainscot and composition floor. An automatic water heater will be installed. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are now being prepared.

RESIDENCE — 1 story and base, frame, \$3,000. Berkeley, Alameda Co., Cal. Architect, none. Owner, H. C. Pfrang, 5359 Shafter avenue, Oakland. The dwelling will be erected on Stuart street west of Ellsworth and has been designed for a seven-room house with bath and sleeping porch. Interior will be finished in pine and redwood with white enamel in the bed rooms. There will be hardwood floors in the principal rooms. Plans provide for furnace heat and open fire places. Mantels will be of tile or brick. Bath room will have tile floor and wainscot. An automatic water heater will be installed. Exterior of the house will be covered with cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor. Materials are now being purchased.

Building Contracts Awarded.

Oakland.

No.	Owner	Contractor	Amt.
48	Oakland	Nall	675
49	Oakland	Nall	675
50	Oakland	Nall	675
51	Oakland	Nall	675
52	Cavillos	Corbett	500
55	Hammerberg	Owner	1600
56	12st St. Rlty	Owner	500
57	Crellin	Kirk	750
59	Townmley	Neal	400
60	Wheeler	Stewart	2500
62	Williams	Plunkett	400
63	Hill	Elliott	500
64	Simonds	Simonds	2000
65	Grove	Grove	1000
72	Rondelle	Brooks	400
73	Snow	Corbett	450
74	Hawley	Wald	8190
76	Jenkins	Owner	400
77	Pfrang	Pfrang	3000
78	Alken	Emery	4340

SCHOOL

(48) N SIXTY-SECOND 200 E San Pablo Ave., Oakland. One-story 1-room school.

Owner.....Oakland School Dept.

Architect...None.

Contractor...Geo. C. Nall, 430 41st, Okd.
COST, \$675

SCHOOL

(49) NE YGNACIO & CONGRESS, Oakland. One-story 1-room school.

Owner.....Oakland School Dept.

Architect...None.

Contractor...Geo. C. Nall, 430 41st, Okd.
COST, \$675

SCHOOL

(50) S E-SEVENTEENTH 270 W 23rd

Ave., Oakland. One-story 1-room dwelling.
Owner.....Oakland School Dept.
Architect...None.
Contractor..Geo. C. Nall, 430 41st, Okd.
COST, \$675

SCHOOL
(51) S E-SEVENTEENTH 300 W 23rd Ave., Oakland. One-story 1-room school.
Owner.....Oakland School Dept.
Architect...None.
Contractor..Geo. C. Nall, 430 41st, Okd.
COSTH, \$675

ALTERATIONS
(52) NO. 472 TWELFTH, Oakland. Alterations.
Owner.....Jas. Cavillos, Premises.
Architect...None.
Contractor..Corbett & Bayless, 1110 Franklin, Oakland.
COST, \$500

FRAME DWELLING
(53) PTN LOT 26 BLK "F" Map Bella Vista Tract, Oakland. All work for one-story frame dwelling.
Owner.....Jessie B. Wenrich, Okd.
Architect...None.
Contractor..J. L. Loughery, 705 31st, Oakland.
Filed Jan. 12, '15. Dated Jan. ____.
Frame up, boarded and roof on. 1/4
Brown coated 1/4
Completed and accepted..... 1/4
Usual 35 days..... 1/4
TOTAL COST, \$1875
Bond, \$1000. Surety, Pacific Coast Casualty Co. Limit, 90 days after Jan. 8, 1915. Forfeit, none. Plans and specifications filed.

DWELLING
(55) S FIFTIETH 47 W Manila Ave., Oakland. One-story 5-room dwlg.
Owner.....A. Hammerberg, Haywards
Architect...None.
Day's work. COST, \$1600

REPAIRS
(56) NO. 327 TWELFTH, Oakland. Repairs.
Owner.....12th St. Realty Co., Prem.
Architect...None.
Day's work. COST, \$500

(57) NW TENTH & WASHINGTON, Oakland. Alterations.
Owner.....Thos. Crellin Estate, 614 Third, San Francisco.
Architect...Walter J. Mathews, 927 Broadway, Oakland.
Contractor..G. A. Kirk, 416 10th, Okd.
COST, \$750

ADDITION
(59) SE E-THIRTY-EIGHTH AND Bruce, Oakland. Addition.
Owner.....George Towmley.
Architect...None.
Contractor..Joseph Neal, 3307 College Ave., Berkeley.
COST, \$400

DWELLING
(60) E SHAFTER AVE 175 S 42nd, Oakland. One-story 5-room dwlg.
Owner.....Mary L. Wheeler.
Architect...None.
Contractor..B. A. Stewart, 8 Fairview Ave., Oakland.
COST, \$2500

STORE
(62) W THIRTEENTH AVE 35 S E-19th, Oakland. One-story store,

Owner.....R. B. Williams, 1538 Broadway, Oakland.
Architect...None.
Contractor..W. L. Plunkett, 1538 Broadway, Oakland.
COST, \$400

REPAIRS
(63) E SAN PABLO AVE 100 N 25th, Oakland. Repairs.
Owner.....Hill & Osgood.
Architect...None.
Contractor..Elliot & Rich, 1905 81st Ave., Oakland.
COST, \$500

DWELLING
(64) N FORTY-NINTH 40 W Lawton Ave., Oakland. One-story 5-room dwelling.
Owner.....C. G. Simonds Jr., 725 53d, Oakland.
Architect...None.
Day's work. COST, \$2000

DWELLING
(65) W TWENTY-SECOND AVE 200 S E-27th, Oakland. One-story four-room dwelling.
Owner.....Jesse W. Grove, 668 65th, Oakland.
Architect...None.
Day's work. COST, \$1000

ALTERATION
(71) NO. 5637 SHAFTER AVE., Oakland. Alterations and additions.
Owner.....Alice Williams, Premises.
Architect...None.
Contractor..Reed Williams, Premises.
COST, \$400

ALTERATIONS
(72) NO. 3420 WILSON AVE., Oakland Alterations.
Owner.....Edna M. Rondelle, 3029 Hillegass, Berkeley.
Architect...None.
Contractor..W. R. Brooks, 2900 Madeline, Oakland.
COST, \$400

ALTERATIONS
(73) NO. 417 FOURTEENTH, Oakland. Alterations.
Owner.....Frank Snow, 28th and Linden, Oakland.
Architect...None.
Contractor..Corbett & Bayless, 1110 Franklin, Oakland.
COST, \$450

FRAME DWELLING
(74) PTN LOTS 32 AND 33 BLK "C" Map Hopkins Terrace No. 2, Berkeley. All work except heating for two-story and basement frame dwelling.
Owner.....Mrs. J. S. Hawley.
Architect...James W. Plachek, Acheson Bldg., Berkeley.
Contractor..A. F. Waid, 636 6th, Bkly.
Filed Jan. 14, '15. Dated Jan. 5, '15.
Frame up\$1638
Plumbing roughed in and electric work completed..... 1638
Plastered 1638
Completed and accepted..... 1638
Usual 35 days..... 1638
TOTAL COST, \$8190
Bond, \$4095. Surety, Pacific Coast Casualty Co. Limit, 100 days. Forfeit, \$10. Plans and specifications filed.

STORE AND COAL YARD
(76) NE BROMLEY AND 62ND AVES, Oakland. One-story store and coal yard.

Owner.....Joe Jenkins, 6103 Bromley Ave., Oakland.
Architect...None.
Day's work. COST, \$400

DWELLING
(77) N STUART 220 W Ellsworth, Berkeley. One-story 6-room dwelling
Owner.....H. C. Pfarrang, 5359 Shafter Ave., Oakland.
Architect...None.
Day's work. COST, \$3000

LATHING & PLASTERING HOTEL
(78) S FIFTEENTH 75 E Jefferson E 50xS 75, Oakland. Lathing and plastering for hotel.
Owner.....Albert C. Aiken, 31 Ellis, San Francisco.
Architect...Clay N. Burrell, Albany Block, Oakland.
Contractor..Emery & Son, Oakland.
Filed Jan. 15, '15. Dated Jan. 14, '15.
1st and 15th day of each month 75%
TOTAL COST, \$4340
Bond, limit, forfeit, none. Specifications only filed.

Building Contracts Awarded.

Berkeley.

No.	Owner	Contractor	Amt.
47	Hawley	Waid	8000
53	Wenrick	Loughery	1875
54	Tieman	Van Sant	3775
58	Boyd	Boyd	4000
68	Carlson	Nelson	1450
69	Auloff	Auloff	1400
70	Contra Costa Con.	Owner	500
71	Williams	Williams	400
75	Griffith	Griffith	1000

DWELLING
(47) W SCENIC 132 S Bay View Place Berkeley. Two-story 14-room dwlg.
Owner.....Mrs. J. S. Hawley.
Architect...James W. Plachek, Acheson Bldg., Berkeley.
Contractor..A. F. Waid, 636 65th, Berkeley.
COST, \$8000

GAS PLANT
(54) NE SECOND AND HARRISON, Berkeley. All work for acetylene gas plant.
Owner.....Chas. S. Tiemann, Keystone Hotel, San Francisco
Architect...None.
Contractor..Van Sant-Houghton Co., 503 Market, S. F.
Filed Jan. 12, '15. Dated Jan. 11, '15.
Complete pits, footings and gasometer foundations 25%
Completed and accepted..... 50%
Usual 35 days..... 25%
TOTAL COST, \$3775

Bond, \$1887.50. Surety, New England Casualty Co. Limit, 35 days from Jan. 11. Forfeit, \$10. Plans and specifications filed.
DWELLING
(58) N ETON COURT 150 E Claremont Ave., Berkeley. Two-story 7-room dwelling.
Owner.....P. O. Boyd, Key Route Inn, Oakland.
Architect...H. P. Smith, Blake Block, Oakland.
Day's work. COST, \$4000

DWELLING
(68) N DERBY 200 W Baker, Berkeley. One-story 5-room dwelling.
Owner.....Oscar Carlson, 1918 Blake, Berkeley.
Architect...None.

Contractor..Nelson & Carlson, 1627
Parker, Berkeley.
COST, \$1450

DWELLING

(69) SE JAYNE AND McGEE, Ber-
keley. One and one-half-story five-
room dwelling.

Owner.....Dorothy S. Auloff, 1706
Jayne, Berkeley.

Architect...None.

Contractor..E. A. Auloff, 1706 Jayne,
Berkeley. COST, \$1400

BUNKERS

(70) SW OREGON AND SHATTUCK
Ave., Berkeley. Bunkers.

Owner.....Contra Costa Constr. Co.,
Premises.

Architect...None.

Day's work. COST, \$500

DWELLING

(75) S TYLER 250 E California, Ber-
keley. One-story 5-room dwelling.

Owner.....Frances E. Griffith, 1620
Tyler, Berkeley.

Architect...None.

Day's work. COST, \$1000

Building Contracts Awarded

Alameda.

No.	Owner	Contractor	Amt.
61	Fortman	Kneppler	1400
66	Powell	Powell	1700
67	Hunter	Hunter	400

DWELLING

(61) — EAGLE AVE., Alameda. One
story 4-room dwelling.

Owner.....E. S. Fortman, 803 Haight
Ave., Alameda.

Architect...None.

Contractor..R. W. Kneppler, 606
Haight Ave., Alameda.

COST, \$1400

DWELLING

(66) — OAK, Alameda. One-story 5-
room dwelling.

Owner.....Powell Bros. Co., 2708
Harrison Ave., Alameda.

Architect...None.

Day's work. COST, \$1700

FRAME MILL

(67) NO. 2398 WEBSTER, Alameda.
Frame mill.

Owner.....Hunter Lumber Co., Prem.
Architect...None.

Day's work. COST, \$400

ARCHITECT'S CERTIFICATE.

Jan. 15, 1915—LEWIS P. HOBART has
filed his certificate of architecture
for Alameda County.

Jan. 16, 1915—Charles Peter Weeks has
filed his certificate of architecture.

COMPLETION NOTICES.

ALAMEDA COUNTY

Jan. 8, 1915—N WARD 60 E Califor-
nia E 30x90, Bkly. Reta M Madison
to C Texdahl.....Dec. 31, 1914

Jan. 8, 1915—S FORTY-SECOND 35
E 10xS 88.50, Okd. E L
Higgins to whom it may concern..

.....Jan. 8, 1915

Jan. 11, 1915—LOT 8 Map Morseland
Heights, Okd. H L Small to whom
it may concern. Jan. 7, 1915

Jan. 11, 1915—No. 3827 BEAUMONT
Ave., Okd. James McGuinness to
whom it may concern. Jan. 11, 1915

Jan. 11, 1915—N BROOKDALE AVE
181.23 E Courtland Ave, being Lot
17 Blk 6, Brookdale Terrace, Okd.
Robert Davies to O G Smith.....

.....Jan. 9, 1915

Jan. 12, 1915—LOT 24 BLK "C" Map
Kenwood Park, Okd. Lewis &
Mitchell, Inc to O G Smith.....

.....Completed

Jan. 12, 1915—LOT 25 BLK "C"
Westmoreland Park, Bkly. F B
and Anna B Errington to United
Home Bldrs.....Dec. 30, 1914

Jan. 12, 1915—LOT 1 Map Albany
Terrace, Albany. Emma Westwood
by Charles Westwood to Charles
WestwoodJan. 11, 1915

Jan. 12, 1915—SE GREENBANK AND
Rose Aves 45x102, Piedmont. W F
Eschbacher to H P Nelson. Jan. 4, '15

Jan. 13, 1915—PTN LOT 17 BLK "B"
Southern Ptn of Blake Est, Bkly.
Celia A White to F R Peake Co....

.....Jan. 2, 1915

Jan. 13, 1915—E NINTH 484.98 N
Buena Vista Ave N 35xE 127, Ala.
Mark T Cole to whom it may concern.....

.....Jan. 11, 1915

Jan. 15, 1915—N 42 LOTS 7 AND 8
Blk 21 Map Northbrae, Bkly. C E
Sinclair to whom it may concern..

.....Jan. 14, 1915

Jan. 15, 1915—SE TELEGRAPH AND
Durant Aves 90x110, Bkly. J A
Elston and George Clark to A J
Webb, Gaspard & Hammond, The
Capitol Elec Co, W P Fuller & Co,
C W Watts, D Zelinsky, Wm Makin
A M Poulsen, Thomas H Price Co,
Walter Mork and Oakland Mantel
& Tile Co.....Dec. 13, 1914

LIENS FILED.

ALAMEDA COUNTY.

Jan. 11, 1915—NE TAYLOR AVE &
Caroline E 53-9xN 122.24, Alameda
Frank Vigno Co vs Clara T Hess-
man and — Mitchell.....\$130

Jan. 11, 1915—E NORTHSIDE AVE
281 N Hopkins, Bkly. Frank K
Cann vs C A & Honora Doyle..\$11.58

Jan. 9, 1915—LOT 20 BLK "C" Map
Oakland Highlands, Okd. John A
Johnson vs Cyril A Legris and J A
Pilliod\$62

Jan. 12, 1915—E CAROLINE 36 N
Taylor Ave N 30xE 53-9, Alameda.
Frank Vignolo vs Clara T Hessman
and — Mitchell\$130

Jan. 12, 1915—LOT 20 BLK "C" Map
Oakland Highlands, Okd. O B
Lawrence vs Cyril A Legris and
J A Pilliod.....\$53

Jan. 13, 1915—SE LAUREL AVE 50
SW Kansas SW 50xSE 125, Okd.
E L Blackman Co vs John Iverson
and E M Williamson.....\$239.10

Jan. 13, 1915—LOT 22 Map Ridge-
wood, Okd. A Dalglish vs Ferdin-
and Erpf and H H Welder....\$54.50

RELEASE OF LIENS

ALAMEDA COUNTY.

Jan. 8, 1915—E FRANKLIN 256 N
14th N 65xE 150, Okd. Atlas Mortar
Co to T S Williams.....\$71.50

Jan. 11, 1915—S THIRTY-NINTH
280.70 W Market W 40 S 116.97 NE
41.65 N 105.35, Okd. Sunset Lumber
Co to Billy Abby et al.....\$585.93

Jan. 17, 1915—SE 1/2 LOT 30 BLK 16
Map Blvd Park, Okd. L E Dobson,
\$54.19, The California Beer Co.,
\$137.55; George C Ambrose, \$14.50,

G H Andrews, \$37.30; M Soares &
Co by M J Fernandes, \$267.50;
Rhodes Jamieson & Co (1) \$54.25,
(2) \$70.70; R F Long, \$115 to Ada
L Simpson and O M Bullock.....

SAN JOSE AND THE SANTA CLARA
VALLEY.

BREAKWATER—Concrete construc-
tion, \$200,000. Monterey, Monterey Co.,
Cal. Engineer's name not given. Own-
ers, Monterey County and the State of
California. Reports state that Assem-
blyman Boyce of Monterey will ask the
legislature for an appropriation of
\$200,000 for the construction of a
breakwater at Monterey. Four years
ago the legislature appropriated the
sum for the purpose, which was made
contingent upon the Federal Govern-
ment appropriating \$600,000. Certain
stipulations of the department were
not carried out, and the state appro-
priation reverted to the state treas-
ury in July, 1914.

RESIDENCE — 2 story and base,
frame. Cost not stated. Los Altos,
Santa Clara Co., Cal. Architect, John
Hudson Thomas, First National Bank
Bldg., Berkeley. Owner, Edward J.
McCutchen. The dwelling has been de-
signed for a ten-room house with
three baths and sleeping porch. A
garage will also be erected on the
property. Interior of the dwelling will
be finished in pine, redwood, hardwood
and white enamel. Hardwood floors
will be used in the principal rooms.
There will be a central heating sys-
tem and open fire places. Mantels will
be of tile or brick. Bath rooms will
have tile floors and wainscot and will
be equipped with showers. An auto-
matic water heater will be installed.
Exterior of both the dwelling and ga-
rage will be covered with cement plas-
ter on metal lath. Plans are now be-
ing prepared.

HIGHWAY WORK—Cost not stated.
Redwood City, San Mateo Co., Cal. En-
gineer, County Surveyor Neuman, Red-
wood City. Owners, San Mateo Coun-
ty. Plans and specifications present-
ed for the new highway from Hills-
borough to the Spring Valley lakes
have been approved by the Supervi-
sors and bids have been ordered called.

MACADAMIZED HIGHWAY — Cost
not stated. Monterey, Monterey Co.,
Cal. Engineer, County Surveyor, Mon-
terey. Owners, Monterey County.
Plans have been completed and ap-
proved for constructing a macadam-
ized highway over the route known as
the "Spreckels Boulevard," leading
from Hilltown to Spreckels and thence
via Hatton avenue and along the
Spreckels Branch Railroad to the Sa-
linas-Chualar road at Spreckels Junc-
tion. Bids are now being taken and
will be opened by the Board of Super-
visors on February 2nd. Plans and
specifications can be secured from the
County Clerk.

BUILDING CONTRACTS

SANTA CLARA COUNTY.

FRAME DWELLING

SW SECOND AND WILLIAM STS., San
Jose. All work except plumbing,
sheet metal and electric wiring for
two-story frame dwelling.

Owner F. J. Brette, San Jose.

Architect .. Chas. S. McKenzie, Bank
of San Jose Bldg., S. J.

Contractor..J. E. Perkins, SE E-Santa Clara and 34th, San Jose.
Filed Jan. 4, '15. Dated Dec. 23, '14
Frame up\$1183.75
1st coat plaster on..... 1183.75
When completed 1183.75
Usual 35 days..... 1183.75
TOTAL COST, \$4735.00

Bond, \$2500. Surety, U. S. Fidelity and Guaranty Co. Limit, 100 days. Forfeit, none. Plans and specifications filed.

CLASS "C" BUILDING

NEAR COR. FIRST AND SAN SALVADORE STS., San Jose. All work for one-story Class "C" business building.

Owner.....S. Montgomery, San Jose.
Architect...Wm. Binder, Rea Bldg., San Jose.

Contractor..Morrison Bros., 113 W-Santa Clara, San Jose.

Filed Jan. 4, '15. Dated Jan. 4, '15.
Between 1st and 6th of each month payments of 75%
Usual 35 days..... 25%
TOTAL COST, \$2982

Bond, \$1491. Sureties, C. A. Morrison and E. McQuoid. Limit, 60 days. Forfeit, none. Plans and specifications filed.

FRAME AND BRICK BUILDING

SE SEVENTH AND SANTA CLARA STS., San Jose. All work for one-story frame and brick building.

Owner.....H. H. Madsen, San Jose.
Architect...F. D. Wolf, 1st National Bank Bldg., San Jose.

Contractor..J. C. Thorp, Porter Bldg., San Jose.

Filed Jan. 6, 15. Dated Jan. 5, '15.
Brick walls ½ story high.....\$1070
Roof on 1070
When completed 1070
Usual 35 days..... 1070
TOTAL COST, \$4280

Bond, \$2150. Sureties, T. B. and A. L. Hubbard. Limit, 50 days. Forfeit, none. Plans and specifications filed.

FRAME RESIDENCE

COR. FOURTEENTH AND SAN SALVADOR STS., San Jose. All work for one-story frame residence.

Owner.....Clif Bronson, 390 S-14th St., San Jose.

Architect...Clif Bronson.
Contractor..S. I. Kelly, San Jose.

Filed Jan. 6, '15. Dated Jan. 6, '15.
Frame up
Brown plaster on.....
When completed
Usual 35 days.....
TOTAL COST, \$2335

Bond, none. Limit, 65 days. Forfeit, none. Plans and specifications filed.

COMPLETION NOTICES.

SANTA CLARA COUNTY.

RECORDED	ACCEPTED
Jan. 7, 1915—LOT 20 BLK 4 Hester Park, San Jose. Jessie E Ball to F L Hoyt.....Dec. 29, 1914	
Jan. 9, 1915—NR COR. UNIVERSITY Ave and Emerson St., part Lot 4, City of Palo Alto. Jas Frazer to R S Jewell.....Jan. 4, 1915	
Jan. 9, 1915—LOT 36 BLK 3 Vestal's Survey, San Jose. V Campisi to G Tamburino.....Dec. 31, 1914	
Jan. 9, 1915—LOT 18 BLK 39, City of Richmond. Mathias Heinzen to Carl Overea.....Dec. 21, 1914	

MARIN, CONTRA COSTA AND SONOMA COUNTIES.

STREET PAVING—Cost not stated. Richmond, Contra Costa Co., Cal. Engineer, City Engineer, Richmond. Owners, City of Richmond. The following is a list of bidders for the work of improving 20th street from Southern Pacific avenue to the Santa Fe right of way: L. L. Page, S. C. Rogers, Raven Co., R. H. Higgins, C. W. McMaster, Galbraith & Janes, John Word, J. F. Dooling & T. C. Dooling. The following is a list of bidders on the paving of two blocks of Montgomery avenue: S. C. Rogers, Gailbraith & Janes, E. H. Higgins, John Word, Frank S. Aguir, J. T. Dooling & T. C. Dooling. All bids were referred to City engineer Chapman for report.

APARTMENT HOUSE—2 story and base, brick. Cost not stated. Richmond, Contra Costa Co., Cal. Architect, James T. Narbett, Berry Bldg., Richmond. Owner, D. L. Hilson. The building will be erected at the corner of Ferry and Howard streets. The first floor is now up and the second floor addition will be arranged for a number of two-room suites with private baths. Interior finish will be of pine and redwood. Bath rooms will be finished in tile. Hot and cold running water will be supplied to all rooms. Exterior will be faced with stock brick. Plans are complete and figures are being taken.

BANK ADDITION—2 story and base, stone and brick. Cost not stated. Martinez, Contra Costa Co., Cal. Architect's name not given. Owners, Bank of Martinez. Preliminary plans have been taken by the directors of the Bank of Martinez towards constructing an addition to the present bank building. The directors contemplate the addition of two stories, which will occupy thirty-seven feet adjoining the present site on the corner of Ferry and Main streets. The meeting at which plans will be submitted has been set for the second Monday in February, when more definite information will be given. The directors of the bank are: W. S. Tinning, A. E. Dunkel, J. E. Rodgers, Thomas Fernandez, W. A. Hale. W. S. Tinning is president.

HIGHWAY CONSTRUCTION — Cost not stated. Richmond, Contra Costa Co., Cal. Engineer, City Engineer Chapman, Richmond. Owners, City of Richmond. Preparations are now being made by securing all property for the highway along the marine front, running from the ocean near the Richmond Navigation Company out to the Los Angeles Brick Company. This road will be part of the proposed scenic highway, which will unit the parts of Point Richmond, which are as yet undeveloped. City Engineer Chapman, who is preparing the plans, states that plans call for a thirty-foot road.

SPUR TRACK CONSTRUCTION — Cost not stated. Martinez, Contra Costa Co., Cal. Engineer, Engineering Department Southern Pacific Co., Flood Bldg., S. F. Owners, Southern Pacific Co. Materials are now on the ground and a crew of surveyors and road workers have started work on the laying of 4,560 feet of spur track for the Southern Pacific Co. through the Shell property. The work will be completed in about two months.

SCHOOL—1 story, frame, \$12,000.

Richmond, Contra Costa Co., Cal. Architect, James T. Narbett, Richmond. Owners, City of Richmond. The building has been designed to contain four class rooms. Interior finish will be of pine throughout. A warm air system of heating with oil burning furnace will be installed. Modern school plumbing is included in the specifications. Exterior of the building will be covered with shiplap. Plans are now being prepared.

Contracts Awarded.

STREET PAVING—\$3,616.61. Richmond, Contra Costa Co., Cal. Engineer, City Engineer Chapman, Richmond. Owners, City of Richmond. Contractor, John Word, Richmond. Contract price, \$3,616.61.

STREET PAVING—\$2,298.48. Richmond, Contra Costa Co., Cal. Engineer, City Engineer Chapman, Richmond. Owners, City of Richmond. Contractor, E. H. Higgins, Richmond. Contract price, \$2,298.48.

SCHOOL—2 story and base, brick. Cost not stated. Rio Vista, Solano Co., Cal. Architect, Henry C. Smith, Humboldt Bank Bldg., S. F. Owners, Rio Vista School District. Contractors, Boyd, Kerr & McLean, 110 Jessie street, S. F., general construction. Contract price, \$49,588.

BUILDING CONTRACTS.

CONTRA COSTA COUNTY.

CLASS "C" GARAGE
LOTS 23 AND 24 BLK 1, Nicholl Ave and Civic Center, Richmond. Excavating, concrete work, brick work, plastering, iron and steel work, carpenter, glass doors, galvanized iron and tin work, painting, whitewashing, roofing, hardware, plumbing and electric work for Class "C" garage.
Owner.....Edward J. Burg.

Architect...Lewis M. Gardner, Phelan Bldg., San Francisco.

Contractor..John and James F. Sullivan (as Sullivan Bros.)

Filed Jan. 9, '15. Dater Jan. 6, '15.
Brick work ready for trusses and 2nd floor joists.....\$1250
Brick work done and roof completed 1250
When accepted 1250
Usual 35 days..... 1250
TOTAL COST, \$5000

Bond, \$2500. Surety, C. H. G. Runde. Limit, 60 working days. Forfeit, none. Plans and specifications filed.

COMPLETION NOTICES.

MARIN COUNTY.

RECORDED	AMOUNT
Jan. 6, 1915—SAN ANSELMO, Marin Co. James C Leach and D A Leach to whom it may concern.....Dec. 29, '14	

LIENS FILED

CONTRA COSTA COUNTY.

RECORDED	AMOUNT
Jan. 8, 1915—LOT 11 BLK "C" in Plot of Central Division of Pittsburg. Guiseppe Siino, \$130.60; Michele Enala, \$57 vs Maria and Pasquale Scotto	
Jan. 7, 1915—LOT 17 and SW ¼ Lot 18 Blk "H" Pinole Villa Site as Map filed in Recorder's Office. Stege Lumber & Hardware Co vs J C F Hall and Kate V Hall.....\$179.90	

LIENS FILED

MARIN COUNTY.

RECORDED AMOUNT
Jan. 7, 1915—SAUSALITO, Marin Co.
Chas Smith vs. George Mahim...\$20

FRESNO, MODESTO, STANISLAUS
AND CENTRAL CALIFORNIA

HIGHWAY CONSTRUCTION—Cost not stated. Dinuba, Tulare Co., Cal. Engineer, County Surveyor, Dinuba. Owners, Tulare County. The following bids were opened by the Supervisors for the construction of the proposed mountain roads, one from Badger to Eshem Valley and one from Badger to Sand Creek:

For the road from Badger to Sand Creek, the bids follow:

Charles Neff	\$1,260.00
E. C. Moore	597.50
C. E. Hill	790.00
Charles Neff	\$1,260.00

For the road from Badger to Eshom Valley, the following bids were received:

William Watt	\$1,250.00
E. A. Thomas	1,199.00
W. B. Murray	950.00

The bids have been taken under advisement. An award of contract will probably be made at the next meeting.

CAR LINE EXTENSION—Cost not stated. Bakersfield, Kern Co., Cal. Engineer, E. A. Wishon, Fresno. Owners, San Joaquin Power Co., Fresno. An extension of the Chester avenue car line through West Park and south on C street to the south limit of the city is a possibility, and the property owners of that section have taken up with E. A. Wishon of the San Joaquin Power Co. Wishon approves the plan to make this improvement provided the property owners would give a bonus. More information will be rendered the property owners when Wishon returns to Bakersfield from Fresno.

LEVEES, ETC.—Cost not stated. Reclamation District 1604, Stanislaus Co., Cal. Engineer, Chief Engineer Reclamation District 1604. Owners, Reclamation District 1604, Secretary, C. W. Elfvig, Hearst Bldg., S. F. Plans are complete and figures are now being taken for considerable reclamation work in this district, consisting of the construction of levees and ditches. Plans and specifications together with complete information can be secured from the secretary. Bids will be opened on February 10th.

GRADE SEPARATION WORK—\$500,000. Seattle, Wash. Engineer, City Engineer, Seattle. Owners, City of Seattle. Superintendent of Public Utilities A. L. Valentine is authority for the statement that preliminary plans have been prepared by the City Engineer for the grade separation work at Argo Station, which is estimated to cost between \$450,000 and \$500,000. The plans call for the construction of an 1800-foot reinforced concrete, double-track tunnel. A meeting will be held in a few days to consider the work, when it is thought that bids will be ordered called.

METAL SIPHON—Cost not stated. Modesto, Stanislaus Co., Cal. Engineer, E. A. Bayley, Los Angeles. Owners, Modesto Irrigation District. Plans for the Gasberg siphon on the main canal of the Modesto Irrigation Dis-

trict have been completed and are now in the hands of Secretary Abbott. The plans were prepared by Engineer E. A. Bayley of Los Angeles. The siphon will rest on concrete piers and will be 783.96 feet in length. No estimate as yet has been placed on the work.

SEWERS—6-inch, vitrified, \$14,000. Dinuba, Tulare Co., Cal. Engineer, City Engineer, Dinuba. Owners, City of Dinuba. The trustees have rejected all bids received for the construction of a storm sewer, connecting the gutters of the business district with the main line of pipe leaving the city. The pipe to be laid runs from K street down to Tulare and M streets, where it connects with the line running to the sewer farm. The lowest bid received by the board was \$13,000. The work will now be done under the Day Labor system.

HOTEL—2 story and base, brick and steel. Cost not stated. Fresno, Fresno Co., Cal. Architect, R. F. Felchlin, Fresno. Owners, Goodwin Estate. The building will be erected on J street and has been designed to carry two additional stories. There will be stores on the ground floor besides the hotel lobby. Upper floor will contain a number of hotel rooms and baths. Interior finish will be of pine throughout. Bath rooms will be finished in tile. There will be a hot water system and steam heat. Exterior of the building will be faced with pressed brick. Plans are complete and figures will be called for at once.

Contracts Awarded.

HIGHWAY PAVING—\$45,998.55. Bakersfield, Kern Co., Cal. Engineer, County Surveyor, Bakersfield. Owners, Kern County. Contractors, George S. Benson & Sons, Bakersfield. Contract price, \$4,998.55.

BRIDGE AND CULVERT—Concrete construction, \$1,904 and \$478. Modesto, Stanislaus Co., Cal. Engineer, County Surveyor, Modesto. Owners, Stanislaus County, Contractor, C. D. Palmer, Oakdale, Twenty-six Mile bridge, \$1,904, and J. E. Griffiths, Oakdale, culvert, \$478.

BRIDGE AND GRADING—Concrete construction, \$12,973.27. Bakersfield, Kern Co., Cal. Engineer, County Surveyor, Bakersfield. Owners, Kern County. Contractors, Castro & Blaisdell, Bakersfield. Contract price, \$12,973.27.

STREET PAVING—\$41,724.47. Fresno, Fresno Co., Cal. Engineer, City Engineer, Fresno. Owners, City of Fresno. Contractors, California Road and Street Improvement Co., 2007 Mariposa street, Fresno. Contract price, \$41,724.47.

STREET PAVING—Cost not stated. Bakersfield, Kern Co., Cal. Engineer, City Engineer, Bakersfield. Owners, City of Bakersfield. Contractors, Thompson Bros., Bakersfield. Contract price, \$14.75 per square foot for paving, and 15 cents for gutters and 40 cents for curb.

SACRAMENTO, STOCKTON AND
NORTHERN CALIFORNIA.

PUMPING PLANT—\$10,000. Biggs, Butte Co., Cal. Engineer, none. Owner, W. R. Spence, Biggs. W. R. Spence, who recently purchased 640 acres of rice land here, will commence work immediately to install a \$10,000 pumping plant on his property.

METAL FLUME—Cost not stated. Red Bluff, Tehama Co., Cal. Engineer, none. Owners, Sunset Syndicate. A metal flume on a truss 100 feet long, which carried water from Mill Creek to irrigate lands belonging to the Sunset Syndicate on the north side of Dyes Creek, was destroyed by a heavy storm recently. The flume is located about eight miles northeast of Los Molinos. Preparations are now being formulated to have the flume rebuilt.

STATE HIGHWAY CONSTRUCTION—Cost not stated. Butte Co., Cal. Engineer, State Highway Commission, Forum Bldg., Sacramento. Owners, State of California. Plans have been completed and figures are now being taken for constructing approximately 12.6 miles of Portland cement concrete highway in Butte County. This road is a part of the State Highway. Plans and specifications can be secured from the office of the State Highway Commissioners at Sacramento, or from the District Engineer's offices in San Francisco and Los Angeles. Bids will be opened on February 1st. An official proposal appears in another column of this issue.

COUNTY ROAD CONSTRUCTION—Cost not stated. Grass Valley, Nevada Co., Cal. Engineer, County Surveyor Miller, Grass Valley. Owners, Nevada County. The Board of Supervisors has directed County Surveyor Miller to make a survey for the proposed road to connect the San Juan road with the Selby Flat road, crossing Rock Creek at the upper end of Lake Vera. Miller will submit a report to the Supervisors in about ten days when the calling of bids will be considered.

COURT HOUSE ALTERATION—Cost not stated. Stockton, San Joaquin Co., Cal. Architect, Joseph Losekahn, San Joaquin Bldg., Stockton. Owners, San Joaquin County. Plans for alterations in one of the wings of the present court house have been completed and figures are being taken. The work will consist of rearranging the present rooms into offices for the County Sheriff. Bids are now being taken and will be opened on January 28th by the Board of Supervisors. Plans and specifications can be secured from the County Clerk or the architect.

RESIDENCE—1 story and base, frame, \$2,500. Sacramento, Cal. Architect, none. Owner, David Hill, 1719 29th street, Sacramento. The dwelling has been designed for a six-room house and will be erected on T street between 34th and 35th streets. Interior finish will be of pine and redwood. Some hardwood floors will be used. There will be an open fire place in the living room with tile or brick mantel. Tile wainscot will be used in the kitchen and bath room. Exterior of the dwelling will be covered with rustic and cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor. Materials are now being purchased.

GARAGE—1 story, corrugated iron and frame, \$1,200. Sacramento, Cal. Architect, none. Owner, S. A. McDougal, 712 1st avenue, Sacramento. The building will be erected on 21st street and has been designed for a commercial garage. No interior finish will be used. Exterior will be covered with corrugated iron. Plans are in the

hands of the owner and the work will be done by Day Labor.

LIBRARY—1 story and base, brick \$10,000. Willits, Mendocino Co., Cal. Architect, Tobias Bearwald, Merchants' National Bank Bldg., S. F. Owners, Town of Willits. The building will contain one large main reading room, office of the librarian and a lecture room. Interior will be finished in natural redwood with a maple floor. There will be steam heat. Metal book stacks are specified. Exterior of the building will be faced with pressed brick. A clay tile or slate roof will be used. Plans are now being prepared. Further mention will be made of the work when plans are out for figures.

RESIDENCE—2 story and base, frame, \$5,000. Woodland, Yolo Co., Cal. Architect, Sidney B. Newsom, Nevada Bank Bldg., S. F. Owner, A. L. Lowe, Woodland. The dwelling will contain nine rooms and bath. Interior finish will be of pine throughout. Some hardwood floors will be used. There will be furnace heat and open fire places. Mantels will be of tile. Tile wainscot will be used in the bath room and kitchen. Exterior of the house will be covered with cement plaster on metal lath. Plans are complete and in the hands of the owner who will let segregated contracts.

RANCH HOUSE—1 story and base, frame. Cost not stated. Marysville, Yuba Co., Cal. Architect, Sidney B. Newsom, Nevada Bank Bldg., S. F. Owners, Buckingham and Valentine. The building will contain eleven rooms, three baths and sleeping porches. Interior will be finished in pine and redwood. There will be six large open fire places. Mantels will be of brick. Exterior of the house will be covered with shingles. Plans are complete and in the hands of the owners who will do the work by Day Labor.

RESIDENCE—2 story and base, frame, \$3,000. Sacramento, Cal. Architect, none. Owner, N. J. Feagan, 2204 3rd avenue, Sacramento. The dwelling has been designed for a seven room house and will be erected on 3rd avenue. Interior finish will be of pine and redwood. Hardwood floors will be used in the living and dining rooms. There will be open fire places and tile or brick mantels. Tile wainscot will be used in the bath room. Exterior of the house will be covered with rustic and cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor. Materials are now being purchased.

SCHOOL ALTERATION—Cost not stated. Stockton, San Joaquin Co., Cal. Architects, Stone & Wright, 24 South California street, Stockton. Owners, City of Stockton. Plans are complete and figures are now being taken for alterations to the Fremont School and for the installation of a new sanitary system. Plans can be secured from the architects. Bids will be opened for the work on February 3rd.

SCHOOL—2 story and base, brick, \$65,000. Stockton, San Joaquin Co., Cal. Architects, Stone & Wright, 24 South California street, Stockton. Owners, City of Stockton. Plans have received the official approval of the Board of Education for the new building to be erected on the property at

the corner of Main and the Lower Sacramento road. The building will contain twelve class rooms, assembly hall and office. Interior finish will be of pine with maple floors in the class rooms. There will be a central heating system, oil burning furnace and modern school plumbing. Exterior of the building will be faced with pressed brick. Bids will be called for shortly. Further mention will be made of the work.

SCHOOL—1 story and base, brick and concrete. Cost not stated. Roseville, Placer Co., Cal. Architect, W. H. Weeks, 75 Post street, S. F. Owners, Town of Roseville. This building has been mentioned here before when plans were first started. Figures are now being taken and bids will be opened on February 8th. Plans and specifications can be secured from the architect.

Contracts Awarded.

BRIDGE—Reinforced concrete, \$5,778. Folsom, Sacramento Co., Cal. Engineer, County Surveyor, Sacramento. Owners, Sacramento County. Contractors, W. N. Concannon Co., 525 Market street, S. F. Contract price, \$5,778.

BUILDING CONTRACTS

SACRAMENTO COUNTY.

RESIDENCE
T ST., bet. 34th and 35th on Lot 76 Mier & Sowell High School Tract, Sacramento. Six-room residence.
Owner.....David Hill, 1719 29th St., Sacramento.
Architect...None.
Day's work. COST, \$2500

STORE AND DWELLING
NO. 1421 FOURTH ST., on S 20 feet of N 60 feet Lot 8, N, O, 4th and 5th Sts., Sacramento. Two-story store and dwelling.
Owner.....Langdon Bros. & Co., 515 20th St., Sacramento.
Architect...None.
Contractor..C. Valine, 2417 15th St., Sacramento. COST, \$1500

REPAIRS
NO. 1419 FOURTH ST., on S 20 feet of N 40 feet Lot 8, N, O, 4th and 5th Sts., Sacramento. Remodel and repair store.
Owner.....Langdon Bros. & Co., 515 20th St., Sacramento.
Architect...None.
Contractor..C. Valine, 2417 15th St., Sacramento. COST, \$1000

REPAIRS
NO. 2130 J ST., Lot 4, J, K, 11th and 12th Sts., Sacramento. Repair bldg.
Owner.....J. C. Huston, 1127 W St., Sacramento.
Architect...None.
Day's work. COST, \$600

SHED
THIRTY-FOURTH ST., bet. Magnolia and Orange Ave on S 24 feet Lots 7 and 8 Blk 21, Oak Park, Sacramento. Build shed at machine shop.
Owner.....Mrs. Martha Boggess, 3318 Orange Ave., Sacramento.
Architect...None.
Contractor..W. M. Kennedy, 3330 Orange Ave., Sacramento. COST, \$400

REMODEL

THIRTY-FIFTH ST., bet Sacramento and Cypress Ave, on Lot 17 Blk 43, Oak Park, Sacramento. Remodel moving picture house.
Owner.....M. J. Silva.
Architect...None.
Contractor..W. M. Kennedy, 3330 Orange Ave., Sacramento. COST, \$300

CONCRETE GARAGE, ETC.

TWENTY-SE7COND, bet 2nd and 3rd Aves Lots 126, 127 and 128 West Curtis Oaks, Sacramento. Two-story concrete private garage and billiard room.
Owner.....Mrs. D. A. Lindley.
Architect...None.
Contractor..F. V. Mayo, 531 I St., Sacramento. COST, \$2000

GARAGE

TWENTY-FIRST ST., on Lot 2 Sutter Terrace Addition, Sacramento. One-story frame corrugated garage.
Owner.....T. A. McDougall, 2712 1st Ave., Sacramento.
Architect...None.
Day's work. COST, \$1200

OIL TANKS

NO. 2100 M ST., on N ½ Lot 1, M, N, 21st and 22nd Sts., Sacramento. Certain oil tanks.
Owner.....Standard Oil Co., Upper Stockton Road Cor. R St., Sacramento.
Architect...None.
Day's work. COST, \$600

OIL TANKS

No. 1130 C ST., on N ½ Lot 4, C, D, 11th and 12th Sts., Sacramento. Certain oil tanks.
Owner.....Standard Oil Co., Upper Stockton Road Cor. R St., Sacramento.
Architect...None.
Day's work. COST, \$600

PUBLIC SERVICE STATION

NO. 1130 C ST., on N ½ Lot 4, C, D, 11th and 12th Sts., Sacramento. One story frame public service station.
Owner.....Standard Oil Co., 2000 Bush St., San Francisco.
Architect...None.
Day's work. COST, \$450

FRAME WAREHOUSE

NO. 2131 NINETEENTH ST., on W ½ of S ½ Lot 7 and S ½ Lot 8, U, V, 19th and 20th Sts., Sacramento. One story frame warehouse.
Owner.....J. G. Miller, 435 Forum Bldg., Sacramento.
Architect...None.
Contractor..P. Williams, 523 Ochsner Bldg., Sacramento. COST, \$300

REPAIRS

NO. 3414 MADRONE AVE., on Lots 4 and 5 Blk 44, South Sacramento. Repair and move two-story frame residence to rear.
Owner.....Joe Lewis.
Architect...None.
Contractor..J. C. Dilliard, 3117 Magnolia, Sacramento. COST, \$300

REMODEL AND REPAIR

NO. 618 K ST., W 60 feet Lot 3, K, L, 6th and 7th Sts., Sacramento. Remodel and repairs to portion of 2nd floor of brick department store. Owner.....The Nonpareil, Premises. Architect...None. Contractor...G. E. Hook, 718 18th St., Sacramento.

COST, \$1850

DWELLING

NO. 1229 EIGHTEENTH ST., on N 1/2 Lot 8, L, M, 18th and 19th Sts., Sacramento. Two-story frame dwelling and new concrete foundation. Owner.....F. B. Taylor. Architect...None. Contractor...Edis & Johnson, 520 1/2 20th St., Sacramento.

COST, \$400

FRAME BARN

NO. 2208 P ST. (rear) W 1/2 Lot 2, P, Q, 22nd and 23rd Sts., Sacramento. One-story frame barn. Owner.....P. S. Prother, Grafton, Yolo Co., Cal. Architect...None. Contractor...Chatterton Bros., 3126 T St. Court, Sacramento.

COST, \$300

CONCRETE FLOOR, ETC.

NOS. 1902 TO 1906 THIRD ST., E 55 feet of N 100 feet Lot 4, S, T, 2nd and 3rd Sts., Sacramento. Place concrete floor and make general repairs. Owner.....Mrs. Ada Goodwin, Dixon, California. Architect...None. Contractor...John A. Silva, 415 11th St., Sacramento.

COST, \$950

FRAME DWELLING

THIRD AVE., bet. 23rd and 24th Sts., on Lot 161 West Curtis Oaks, Sacramento. Two-story 7-room frame dwelling. Owner.....N. J. Feagan, 2204 3rd Ave Sacramento. Architect...None. Day's work.

COST, \$2800

COMPLETION NOTICES

SACRAMENTO COUNTY.

RECORDED ACCEPTED
Jan 12, 1915—BARN ON TRACT OF land containing 118 acres owned Estate of W E Loydal, dec'd and situated about 1 mile below limits of City of Sacramento and known as Loydale Lower Ranch on Riverside Road. Katherine B Fisk and Emma T L Beardslee, Extr Estate W E Loydal, dec'd to E W Book...

Jan. 2 1915

Jan. 13, 1915—BUILDING ON TRACT of land beg at pt in center of levee road on E side of Georgiana slough, th southerly 71 E 249 N 61 W 260 to pt of beg thus 18 feet of easement at E and across lot being ptn of S L S 795. Milo E Dye to W L Craff.

Jan. 9, 1915

LIENS FILED.

SACRAMENTO COUNTY.

RECORDED AMOUNT
Jan. 13, 1915—129 ACRES being ptn of S L S 299 excepting piece of

land being 620x63 feet, Sacramento W P Fuller & Co vs Lester D Green and H W Tyrrell.....\$81.72
Jan. 11, 1915—BEG AT PT SOUTH-320 feet from a pt 39 rods due N from E Cor. of NE 1/4 of Sec. 27, T 5, R 6th westerly 90 feet S 40 E 90 N 40 to pt beg, Sacramento. Thos Carpenter & Co vs Wade Duncan.....\$180.30
Jan. 11, 1915—FARM NO. 190 Valley Oaks Sbdvn No. 3, Sacramento, Thomas Carpenter & Co vs Bessie Etnier.....\$40.61

LOS ANGELES AND SOUTHERN CALIFORNIA.

DIVERTING DAM—Reinforced concrete, \$1,500,000. Los Angeles, Cal. Engineer, Major R. R. Raymond, U. S. A. Engineers, Los Angeles. Owners, United States Government. Plans for engineering work to divert flood waters of the Los Angeles coastal plain into Alamitos Bay have been filed with the War Department at Washington, according to word received by Major R. R. Raymond, U. S. A., in charge of the United States engineers' office at Los Angeles. The plans call for the construction of a dam across the deltas of the Los Angeles and Honda Rivers, with an accompanying system of outfall canals. The work would cost \$1,500,000, and probably would prevent flood damage close to that amount annually. A hearing on Raymond's recommendation is scheduled for next week, it was announced.

BUNGALOWS—10, 1 story and base, frame, \$3,000 each. Riverside, Riverside, Cal. Architect, none. Owner, Albert Schliem, Riverside. Albert Schliem will start construction on ten bungalows in the High Palm Tract on February 1st. C. W. Johnson and J. C. Odell of the People's Loan and Trust Company of Riverside are backing the project. The buildings will be of one story, frame construction, and will contain from five to seven rooms. They will cost in the neighborhood of \$3,000 each.

Contracts Awarded.

SCHOOL—1 story and base, brick. Cost not stated. Calexico, Imperial Co., Cal. Architects, Allison & Allison, Hibernian Bldg., L. A. Owners, Calexico School District. Contractors, Roberts & Davis, El Centro, general construction, \$43,950; Gentier & Gear, Imperial, plumbing, \$3,978; B. V. Ezell, El Centro, heating and ventilating, \$6,500, and the Standard Electric Time Co., L. A., program clocks, \$1,092.

PORTLAND AND OREGON

INCINERATOR PLANT — \$200,000. Portland, Ore. Engineer, City Engineer, Portland. Owners, City of Portland. Preliminary plans for the construction of an incinerator plant, for which bonds were recently voted, are now being prepared by Commissioner Daly. The bonds voted were for \$200,000. The first step taken in the erection of the plant will be the selling of the bonds and the purchase of a site.

BRIDGE—Steel and concrete, \$1,750,000. Portland, Ore., to Vancouver, Wash. Engineers, Interstate Bridge Commission, Portland. Owners, Multnomah and Clarke Counties. At a

meeting of the Interstate Bridge Commission, official proposals for the construction of the proposed bridge to be built between Portland and Vancouver were authorized. Bids will be received until 2 p. m. February 23rd. The structure will consist of 28 spans, the longest being 275 feet and the shortest 70 feet. The steel work will be about 5,000 feet in length, exclusive of the approaches, which will be 12,000 feet long. About 10,000 tons of steel will be required, together with 1,000,000 cubic yards of earth excavation and 29,000 cubic yards of concrete. Alternate proposals for two types of draw bridges will be received, and the other alternate will be a swing draw. The cost of the bridge, including costs for rights-of-way, engineers' fees and other expenses attached to the preliminary work, will be \$1,750,000, bonds for which have already been sold. Of this amount Multnomah County pays \$1,250,000 and Clarke County, Washington, the balance of \$500,000. Governor West is chairman of the commission.

SEWER CONSTRUCTION—\$148,639. Portland, Ore. Engineer, City Engineer, Portland. Owners, City of Portland. Bids opened by the City Council for the construction of the proposed Willow street and East 82nd street sewer system show Wm. Lind low on his bid of \$148,639 for reinforced concrete construction, and Giebisch & Joplin for monolithic at \$161,894. The bids have been taken under advisement. An award will be made at the next meeting of the Council.

RAILROAD TERMINAL—Reinforced concrete construction, \$140,000. The Dalles, Ore. Engineer, Engineering Department O.-W. R. and N. Co., Portland. Owners, Oregon-Washington Railroad and Navigation Co. Construction of the proposed terminals to be built by the O.-W. R. & N. Co. at The Dalles and Pendleton, Ore., will be started early this spring, according to statements by the road engineering department of the company. The buildings to be erected at The Dalles will cost \$140,000, and will include a modern fireproof roundhouse to accommodate 30 engines, a coaling station with a 150-ton capacity and several one-story structures. J. P. O'Brien is general manager of the company.

SCHOOL UNIT—1 story and base, frame, \$40,000. Portland, Ore. Architect, F. A. Naramore, Portland. Owners, City of Portland. Plans for the first unit of the Kennedy School are being completed and will be ready for figures within the next two months. The appropriation for the entire building is \$115,000. The first unit will contain eight class rooms and the assembly hall. Interior finish will be of pine throughout. There will be a central heating system and modern school plumbing. Exterior will be faced with cement plaster on metal lath.

MARKET BUILDING—1 story and base, reinforced concrete, \$35,000. Portland, Ore. Architect, none. Owners, Frye & Co., Seattle. The building will be erected at the corner of Third and Yamhill streets and will cover a large ground area. Interior will be arranged for a number of stalls and will be fitted with special fixtures. Interior finish will be of tile and marble. There will be special refrigerating equipment. Exterior of the building will be faced with cement plaster.

E. H. Williams Chalmer Munday

Munday & Williams
Attorneys-at-LawSpecial Attention Given to Building
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Construction will be fireproof. Plans are complete and figures are being taken by the owners.

SEATTLE AND WASHINGTON

HIGHWAY GRADING—\$80,000. Seattle, Wash. Engineer, County Surveyor A. P. Denton, Seattle. Owners, King County. County Engineer A. P. Denton has completed plans for grading the 20-mile road between Auburn and Enumclaw and for grading the 10-mile road between Renton and Issaquah. The former will cost about \$70,000 and the latter about \$80,000. Both will be ready for bids from contractors in about 30 days.

BRIDGES—2, steel and concrete. Cost not stated. Renton Junction, Spokane Co., Wash. Engineer, County Surveyor, Spokane. Owners, Spokane County. County Engineer Denton reports that plans will be ready in about ten days for the construction of two steel bridges, one at Renton Junction and the other at the mouth of the Duwamish River. They will have a span of about 120 feet each. The latter structure will be of the movable type.

The accident in the California-Pacific Building, in which so many were injured in the fall of an elevator, has led to the proposal of an ordinance in the Board of Supervisors changing the requirements for elevator construction. In addition to providing additional safeguards to prevent accidents the proposed ordinance provides for construction of the top of the elevator cage so that a portion of it can be opened and the occupants removed in case of accident. Also that a means of easy access to the pit be provided so that in case the elevator falls the occupants can find a means of egress.

In the accident in the California-Pacific Title Insurance Building the cage had to be cut into and it was some task to remove the occupants. Any regulation that will insure safety of human life is a good one if it can be done practicably and there seems no reason why this can not be done.

CONSTRUCTION WORK ABROAD**AUSTRALIA.**

[Consul W. A. Bickers, Hobart, Tasmania.]

Tasmanian Government Works.

The provincial government's program for public works for the year 1914-15, as introduced by the Minister for Lands and Works, is interesting both from a social as well as commercial standpoint. The object of the program is to develop the resources of

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the State of Tasmania as well as to make employment for labor, for which the demand has been seriously curtailed for several months.

In the first instance the government has purchased the partly completed hydroelectric plant and proposes to spend \$500,000 at once toward its completion. A company has been working on this scheme for several years and after spending nearly \$1,000,000 had to cease work on account of lack of funds. The central plant is located at the Great Lake, about 60 miles from Hobart. It is the intention to develop cheap power there and transmit it to all parts of the State for industrial and lighting purposes. Most of the material and machinery necessary for the completion of this enterprise has been obtained.

It is also proposed to spend over \$2,000,000 upon railway and tramway construction work. While it is likely that there may be some deductions therefrom, it is practically certain that there will be much activity in this line of work during the coming year and the demand upon foreign sources for all material necessary for such work, except ties, will be brisk. Such work is usually done by day labor under charge of the engineers of the State Railway Department.

It is also proposed to spend \$500,000 on public buildings, of which \$75,000 will be devoted to workmen's cottages. These buildings are constructed of brick and stone, and the finishings and fixtures are purchased from local firms.

It is also proposed to spend \$700,000 on roads. As very little improved road-building machinery is used here in such work, this entire amount will be practically devoted to wages. Other public works call for various amounts, which bring the total expenditures upon public works to \$4,500,000, which is about twice the amount that was expended on such works during the past year.

Outside the railway and tramway construction work, this expenditure offers few opportunities for direct trade, but at the same time it will serve to keep labor employed, and as a result will tend to keep commercial relations in fairly normal conditions.

CANADA.

[Consul Abraham E. Smith, Victoria, British Columbia, Dec. 11.]

**Municipal and Other Construction
Work on Vancouver Island.**

On account of the tax receipts falling far below normal the city council of Victoria has recommended that the city expenditures for the year 1915 be

reduced as much as possible. For this reason no new lighting, paving, sewer, or park expenditures can be expected, and everything is being done at present to keep expenses down.

However, municipal work by the Dominion Government for the district is going ahead the same as usual, a list of which follows: School, Comox, \$4,000; public building, Duncan, \$40,000; public building, Nanaimo, \$25,000; public building, Port Alberni, \$5,000; public building, Union Bay, \$15,000; drill hall, \$150,000, observatory \$10,000, quarantine station \$75,000, post office \$100,000, at Victoria. For harbors and rivers: Chemainus River, \$1,500; Nanaimo Harbor, \$40,000; Saanichton Wharf, \$7,500; Sooke Wharf, \$2,500, and Sooke Harbor improvements, \$7,500.

The building permits issued in Victoria for the 12 months ended October 30, 1914, total \$2,412,460.

CHINA.

[American Minister Paul S. Reinsch, Peking, Oct. 12.]

**Manchurian Railroad Concession for
Russia.**

It appears that a concession is to be granted by the Chinese Government to Russia to construct a railway in Manchuria for Blagoveschensk to Merghen via Aigun, with one branch from Merghen to Tsitsihar and another to Harbin. It would seem certain that the railway, especially the Aigun-Tsitsihar alignment would soon be commercially successful. For a long time Chinese merchants in Manchuria have desired to have this railway constructed, for they think that the development of northern Manchuria depends on added railway communication, through which the great river valleys will be made accessible. The Tsitsihar-Aigun alignment is practically identical with the Chinchow-Aigun Railway grant made to American interests in 1909.

**REDUCED PRODUCTION OF PORT-
LAND CEMENT IN 1914.****Geological Survey Estimate Shows
Nearly Four Million Barrels De-
crease—First in History of Industry.**

The Portland cement manufactured in the United States in 1914 approximated 88,514,000 barrels, compared with 92,097,131 barrels in 1913, a decrease of about 3,583,000 barrels, or nearly 4 per cent. These preliminary figures are given out by the United States Geological Survey and are based on returns received by E. F. Burchard from all the operating mills in the

United States except one, for which an estimate has been made. The estimated shipments of Portland cement during 1914 were 86,715,000 barrels, compared with 88,689,377 barrels in 1913, a decrease of about 1,975,000 barrels, or 22 per cent. On account of the surplus of production over shipments stocks of cement at the mills apparently increased more than 14 per cent, or from 11,220,328 barrels in 1913 to 12,818,000 barrels at the close of 1914. The estimates furnished by some producers undoubtedly included more or less unground clinker, but it is believed that the figures for production and shipments, if not for stocks, are close to those that will be shown later by exact reports from the producers.

The Lehigh district of eastern Pennsylvania and western New Jersey produces more cement than any other section of the United States—about 28 per cent of the total production. This district showed a decrease of more than 9 per cent in both production and shipments of Portland cement. The Illinois and northwestern Indiana district, which is next in importance, with an annual output of more than 11,000,000 barrels, showed a slight decrease, and the Pacific coast district (California and Washington), which is third in importance and produces about 8,000,000 barrels, showed a decrease of about 12 per cent. Important increases in production and shipments were shown by New York State, the Michigan-northeastern Indiana district, the Iowa-Missouri district, the Maryland-Virginia-West Virginia district, and the Rocky Mountain district. The average value per barrel was probably slightly lower than in 1913.

WILL ADD TO BANK.

MARTINEZ, Contra Costa Co., Cal.—At a meeting of the Board of Directors of the Bank of Martinez predicated to the present bank building. The directors contemplate the addition of two stories which occupy thirty-seven feet adjoining the present building at the corner of Ferry and Main streets. W. S. Tinning is President of the bank.

STATE HIGHWAYS SURVEYED.

State highway figures just compiled show that location surveys have been completed on 2,063 miles of highways and that 1,063 miles of road are either completed or under contract. Awards are pending on seventy additional miles not included in the last mentioned figure.—Los Angeles Financial News.

SMALLEST LOT FOR SALE.

Pasadena has a lot on the market that has a frontage of six inches and a depth of 100 feet. It belongs to A. Legge. It is the smallest lot in the world that is on sale. A lot in Kansas City that had a six-foot frontage on Main street, corner of Tenth, brought its owner a great fortune in the early nineties. He erected a six-story building on the ground. Los Angeles Financial News.

PUMPING PLANT.

HUGHES, Butte Co., Cal.—W. R. Spence, who recently purchased 640 acres of rice land here, will commence work immediately to install a \$10,000 pumping plant on his property.

PLANS FOR DAM PROJECT.

LOS ANGELES, Cal.—Plans for engineering work to divert flood waters of the Los Angeles coastal plain into Alamitos Bay, have been filed with the War Department at Washington, according to word received by Major R. R. Raymond, U. S. A. in charge of the United States Engineers Office at Los Angeles. The plans call for the construction of a dam across the deltas of the Los Angeles and Honda rivers, with an accompanying system of outfall canals. The work would cost \$1,500,000 and probably prevent flood damage close to that amount annually. A hearing on Raymond's recommendation is scheduled for next week.

HIGHWAY CONTRACT AWARDED.

George S. Benson & Sons have been awarded the contract for the construction of a paved highway on the section of the Bakersfield-Taft road between this city and the Old River store, by the Board of Supervisors on their bid of \$45,998.55. There were six other bidders on the work, their bids running as high as \$84,534.55.

RECLAMATION BIDS WANTED.

MODESTO, Stanislaus Co., Cal.—Bids are being received for the construction of levees and other reclamation work until February 10th by C. W. Elfving, 731 Hearst Bldg., San Francisco, who is secretary of the Reclamation District No. 1604 in Stanislaus County. Plans for this work were prepared by the District Engineer.

PORTLAND AND VANCOUVER BRIDGE.

PORTLAND, Ore.—At a meeting of the Interstate Bridge Commission, official proposals for the construction of the proposed bridge to be built between Vancouver, Wash. and Portland were authorized. The bids will be received until 2 P. M., February 23rd. The structure will consist of 23 spans, the longest being 275 feet and the shortest 70 feet. The steel work will be about 5,000 feet in length exclusive of the approaches, which will be 12,000 feet long. About 10,000 tons of steel will be required, together with 1,000,000 cubic yards of earth excavation and 29,000 cubic yards of concrete. Alternate proposals for two types of draw bridges will be received and the other alternate will be a swing draw. The structure will cost in the neighborhood of \$1,750,000.

OPENING FOR A MERCANTILE HOUSE IN MEXICO.

[Vice Consul A. Gordon Brown, Mazatlan, Oct. 21, 1914.]

There is a good opening in Mazatlan, Mexico, for a general mercantile house owned and operated by Americans. Foreigners control all the mercantile houses of any importance in this city, but there is no American house.

Two German firms made fortunes here in recent years, and these houses are now being run at great profit by their successors. Spanish and French firms have also reaped large profits from this business.

The foreign mercantile houses also do a general exporting and importing business. All the bullion of the American mining companies goes through their hands. They are also

the representatives of the farmers and all other American interests in this section.

There are many American mining companies in the State of Sinaloa and Tepic, and agriculture is carried on by Americans at Los Mochis, near Rosario, near Acaponeta, and in other localities.

GOVERNMENT INSURANCE RATES ON VESSELS.

NOTE—As many inquiries are received from shippers as to the rates charged by the Bureau of War Risk Insurance, Treasury Department, Washington, D. C., on vessels and cargoes in foreign trade, the following schedule is presented of the charges now in force, the insurance, of course, being confined to vessels of American registry:

Rates from any ports in the United States to any port in the world (other than those named in the special list), or vice versa, are as follows:

Cargo, freight, and advances.—1. Between ports of the United States, its possessions, or any nonbelligerent ports in the Western Hemisphere, three-eighths of 1 per cent.

2. To non-belligerent ports other than above and not north of Harve, in Europe, nor east of Sicily in the Mediterranean, five-eighths of 1 per cent.

3. To all other ports, 1 per cent.

Vessels (voyage risks).—By voyage, meaning from port of loading to not more than two ports of discharge.

Between ports of the United States, its possessions, or any nonbelligerent ports in the Western Hemisphere, three-eighths of 1 per cent.

To other nonbelligerent ports not north of Harve in Europe, or east of Sicily in the Mediterranean, five-eighths of 1 per cent.

Other ports, three-fourths of 1 per cent.

Vessel (time).—Time policies to be issued for a period of 90 days only; rate, 1½ per cent.

If the insured agrees to a warranty reading, "Warranted using only non-belligerent ports in the Western Hemisphere," rate three-fourths of 1 per cent.

All rates subject to change without notice and effective from the date thereof.

Dated Washington, D. C., December 15, 1914.

FIREPROOF BUILDING.

One of the significant facts in the recent fire which practically destroyed the Edison plant was to be found in the fact that the buildings were all supposed to be absolutely fireproof. There were twelve buildings in the block, all made of concrete and all of the most modern design. So carefully were they constructed that the great inventor himself thought he was immune from destruction by fire, and refused to carry any considerable amount of insurance, considering the total value involved. In the face of all this eleven of them went up in smoke almost as readily and as quickly as though they had been made of boards and the other would have gone the same way had it not been for the concerted efforts of the fire department to save it.

Undoubtedly the content of the buildings had a great deal to do with their ready destruction. They were filled with highly inflammable stuffs which, when once thoroughly started, created such intense heat that nothing could withstand it. The same has been found to be true in all of the great fires. In Baltimore the destruction of a large number of buildings thought to be safe beyond question caused amazement among the experts. It seems to be definitely proven that no

known construction can withstand the heat generated when a large number of these great structures are blazing at the same time, and that the so-called fireproof buildings go about as quickly and are destroyed about as thoroughly as the others.

This sort of construction is chiefly valuable as a safeguard against starting conflagrations. Under the ordinary conditions, and with nothing but the ordinary content, a room in one of these fireproof structures may be burned out without endangering the remainder of the building. This is a great protection and is undoubtedly worth all the extra cost to the builders. When all the buildings in cities are made in this way the fire risk will be wonderfully decreased and the annual loss from this cause will be materially reduced.

It goes without saying that, if all fires can be extinguished in the beginning, or confined to the place of starting, there will be none of the great conflagrations which have caused such tremendous losses in the past. The fact that buildings containing such materials as are used by Edison in his work and experiments could not meet the test, is no argument against the modern fireproof construction, and it should be encouraged until it is generally accepted as the only one to be used.

BUILDING REVIEW OF LAST FIFTEEN YEARS.

The following figures have been taken from the Records of the Bureau of Building Inspection of the Board of Public Works and show the approximate total amount invested in building construction in the last 15 years:

Year	Amount
1900	\$ 6,390,705
1901	7,437,562
1902	14,289,938
1903	14,984,514
1904	16,916,118
1905	20,111,861
1906	34,947,396
1907	56,574,844
1908	31,668,311
1909	26,184,068
1910	20,508,556
1911	20,915,474
1912	23,338,563
1913	21,037,264
1914	28,177,563

SHORTAGE OF GLASS IN CHINA.

[Consul General George E. Anderson, Hongkong, British China, Oct. 19.]

The war has prevented the window-glass factories of Belgium from sending their usual supply to China, and there is already inquiry in Hongkong for samples and prices of American window and mirror glass.

The trade is large and has been growing rapidly in the past few years. The total value of window glass imported into China in 1908 was \$322,474; in 1909, \$424,837; in 1910, \$590,950; in 1911, \$411,594; in 1912, \$478,215; and in 1913, \$832,258. Imports during the early part of the current year were in the same proportion. These values do not include the imports into Hongkong for local use and for sale to other countries than China, this trade prob-

ably amounting to \$100,000 additional in the past year.

Distribution of Trade by Countries.

Until about three years ago Great Britain had a considerable portion of the trade, though it was largely with Belgian glass. Two years ago Japan made a strenuous effort to get a larger portion of the trade, but while Japanese glass was cheaper than the European product, the nature of the packing and the quality of the glass caused a loss from breakage that more than made up the difference in price. Germany entered the trade about two years ago and its share has been increasing. The largest part of the imports in all years, however, is Belgian. The share of the trade held by Hongkong, which has increased slightly, consists almost entirely of Belgian and German glass. The trade is well distributed over all parts of China in touch with the seacoast; and with the increase of houses and business structures in semiforeign style, even in the interior of China, the use of glass will doubtless be greatly extended. Price is practically the sole condition governing the trade. While there is demand for some of the higher grades of glass for mirror making, the glass for building purposes is usually of the cheapest possible grade.

Other Glass and Glassware—Mirrors and Looking Glasses.

There has also been an increase in imports of other varieties of glass and of glassware. The imports of such goods into China direct in 1913 were valued at \$794,625, compared with a value of \$486,997 in 1912; \$637,646 in 1911; \$656,993 in 1910; and smaller imports in previous years. To all these figures should be added the value of imports into Hongkong for local use and sale elsewhere than in China, perhaps amounting to an average of \$100,000 per annum. Of the imports into China in 1912, Hongkong furnished the largest amount, and Belgium, the United Kingdom, and Germany followed in the order named. The Hongkong supplies are largely Belgian and Austrian. The considerable amount of such goods imported by way of Russia is chiefly German, Austrian, and Japanese. The United States has furnished a small share of this trade, but American goods as a rule are too good in quality and too high in price for the market.

There is a largely increasing trade in looking-glasses and mirrors in China. The total imports in 1913 were valued at \$274,623, compared with \$178,099 in 1912 and \$137,472 in 1911. The great majority of these goods come from Japan, Hongkong furnishing about 20 per cent of the Chinese imports. There is a large and flourishing mirror factory in Hongkong, and a considerable portion of the glass imported in this market is for the manufacture of cheap mirrors. [A list of Hongkong dealers in glass and glassware may be obtained from the Bureau of Foreign and Domestic Commerce and its branch offices.]

HOW BIG CITIES PAVE.

It has been found that in 60 per cent of the 63 cities interviewed to obtain statistics on paving, the council ordered the improvements, and in 30 per cent of the cities the improvements

were ordered by petitions from one-half to two-thirds of the abutting property owners.

In 22 per cent of the cities the property owners paid for the entire cost and in 17 per cent the city paid for intersections, and in 9 per cent the city paid but 2 per cent of the intersection cost.

For repaving, in 43 per cent of the cases, the cities paid the entire cost, and in 19 per cent the cities paid one-half the cost, and in 16 per cent the property owners paid the entire cost.

As to the type of paving, in 15 per cent the property owners have the final decision and in 80 per cent the type is selected by a paving commission or by the highway or engineering department.

COPPER STATISTICIANS.

With the figure 13 before him (representing cents per pound), and a few statistics, any man with a worshipful regard for copper will set out to prove what he likes concerning the copper market. He can prove for one thing, that the price of the metal has advanced 1½ cents in six weeks. And because he can prove that, he sets out to prove many other things, among them that the domestic consumption of copper in a few months will well-nigh match the consumption that had been domestic and foreign a few months ago. In the first six months of the present year, the delivery by copper producers to domestic consumers was 330,000,000 pounds, as compared with a total refinery output of 832,000,000 pounds. A decidedly increased domestic consumption would have to be brought about to absorb even the copper that is being turned out at a reduced rate, let alone to match the consumption that has been domestic and foreign a few months ago.

BIG ORDER FOR WIRE.

Warring nations in the old world are in the market in this country for wire and the Pittsburgh factories have been tendered orders for 125,000 tons valued at \$4,000,000.—Exchange.

SAFETY AT SEA.

For every 3,029,469 passengers carried on ships subject to inspection service by the United States steamboat inspection service in the year ended June 30, 1914, one passenger was lost. There were 232 accidents during the year, resulting in the loss of 582 lives, of whom 105 were passengers. A total of 318,094,347 passengers were carried.

PROGRESS IN WOOD BENDING.

Wood bending is almost exclusively a hardwood proposition because it involves the use of hardwood all along the route, from wheel rims and shafts to chair braces, and includes all of the used articles in bent wood, says Hardwood Record. In the progress of this industry many machines and appliances have been invented to facilitate the work and to reduce the percentage of breaking.

Until recently most of the attention has been centered on appliances for clamping and holding and bending the wood, but now there is a new line of progress through the development of enclosed retorts for steaming or preparing wood to be bent. While this

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is the most recent phase of progress in wood bending, it is really in many respects the most important, because it is not only a source of economy in the use of steam for bending, but perhaps contributes more than any other one thing to reducing breakage and to insuring a smooth, even bend.

For many generations the practice has been to boil wood in open vats or steam it in home-made wooden boxes. This has wasted much heat and has never accomplished the results it should. The newest idea in this line is an enclosed retort in which wood for bending can be steamed under pressure. It is a good idea, too, offering advantages enough in steam economy to pay for itself, and it certainly improves the condition of wood to be bent. It is a good idea, that should have been taken up with long ago, and now that we have it, should receive the attention it merits from all those who have bending to do.—American Contractor.

GRADE WORK PLANNED.

SEATTLE, Wash.—Superintendent of Public Utilities, A. L. Valentine, is authority for the statement that preliminary plans have been prepared by City Engineer Dimock for the grade separation work at Argo Station, which is estimated to cost between \$450,000 and \$500,000. The plans call for a reinforced concrete 1,800 foot tunnel, double track and pedestrian walk. A meeting will be held in the near future to consider the work when it is thought that bids will be called for.

WANT RAILROAD STATION.

HURLINGAME, San Mateo Co., Cal.—Mayor E. M. Moores and a delegation of citizens from Easton and Burlingame have urged the Southern Pacific Company to build a new station at Easton. The old station had to be removed on account of improvements being made on the raising of tracks.

ROAD SURVEY ORDERED.

GRASS VALLEY, Nevada Co., Cal.—The Board of Supervisors have directed the County Surveyor to make a survey for the proposed road to connect the San Juan road with the Selby Flat road crossing Rock Creek at the upper end of Lake Vera. Miller will submit a report to the Supervisors at the next meeting of the Board, when it is thought that bids for the work will be called for.

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Taylor, L. A.
Whittier - Coburn
Company.

Door Opener and
Closer.

Rischmuller, Geo.

Electric Fixtures.
City Electric Co.
Gas & Elec. App.
Co.
Pac. Gas & Elec
Company.

Electric Wiring &
Equipment.

American Elect.
Eng. Co.
Central Elec. Co.
Decker Electrical
Construction Co
Farnsworth Elec-
trical Works.
General Electric
Constr. Co.
Globe Electric
Works
Hicks & Folte
Kirsten, W. H.
Lauder, H. I.
Manhattan Elec-
tric Co.
National Electric
Co.
Newberry - Bend-
helm Elec. Co.
Peters, Gus. J.
Rex Electric Con-
struction Co.
Ridley, A. E. B.
Rochdale Elec. Co
Schmetschek, M.
Turner Co. The
Vitt Elec. Co.
Weldenthal - Gos-
liner Elec. Co.
Wetel Electric Co.

Elevator Builders.
Otis Elevator Co.
S. F. Elevator Co.
Van Emon Eleva-
tor Co.

Estimator.
Dillon, H.

Morser, E. J.
Peterson, P. O.
Priddle, Arthur
Walker, J. M.
Church

Floors, Composition.

Artolith Mfg. Co.
Bender R.&P. Co.,
J. W.
Dwan Co., J. E.
Fibrestone &
Roofing Co.
Flaherty R. & P.
Co., R. H.
Malott & Peterson

Floors, Hardwood

Hardwood Int. Co.
Inlaid Floor Co.
Pac. Floor Sand-
ing Co.

Galvanized Iron.

Baker & Hamil-
ton
Berger Mfg. Co.
Gas Fixture.

Day Co., Thomas

Gas Heating Sys- tems.

Reactor System
Gas Heating Co

Gasoline Tanks & Pumps.

Brown, F. R.
Blaisdell Mch'y. Co.

Glass & Glazing.

Cal. Plate & Win-
dow Glass Co.
Friedman Bros.
Fuller Co., W. P.
Grosslicht & Din-
niene
Habenicht &
Howlett

Mission Plate &
Window Glass
Co.

Pioneer Plate &
Window Glass
Co.
Schwarz & Gott-
lieb

Grading.

Branick, J. P.
Carlin Bros.
Cassaretto, John
Devincenzi & Co.,
L.

Dillon Teaming
Co.
Federal Transfer
Co.

Giorgi Co., G.
Hartnett J. D.
Harbor View

Contract Co.
Hule Co., E. M.
Lennon Co., J. E.
Lettler, Fred

McGlinchey &
Monahan

Montague Co., P.
O'Day Co., Dan'l
O'Donnell, Phillip

Powers, Chas. J.
Shiley Grading &
Teaming Co.

Star Con. Co.
Wright Co., J. H.

Granite Curbing.
Graham Granite
Co.

Lead Granite Co.,
W.

Pacific Granite Co.

Tronoff, John

Gravel.

Bay Devel. Co.
Cal. Building Ma-
terial Co.

Cassaretto, John
City Supply Co.
Standard Crushed

Rock Co.
Star Contracting
Company

Stone Co., E. B. &
A. L.

Hardwood Deal-
ers.

Inlaid Floor Co.
Hardwood Inter-
ior Co.
Union Floor Co.

Wood Lumber Co.,
E. K.

Hd'ware, Dealers.

Baker & Hamil-
ton

Bennett Bros.
Kruse, J. H.
Joost Bros.

Meyer, Adolph
Norman & Sons,
F. G.

Palace Hd'ware Co.
S. F. Hd'ware Co.
Smith Co., P. A.

Heating & Ventila- ting.

Atlas Heating &
Ventilating Co.

Kiernan & O'Brien
Hurley Co., J. C.
Lawson, Herman

Looney Co., J.
Mangrum & Otter
Snook & Co.,
Fred W.

Torrid Zone Fur-
nace Co.
Turner Co., The

Wilson, Robt. M.

House Movers & Raisers.

Hatch, H. L.
Pearson, N. H.
Sullivan, D. J. & T.

Hoisting Engi- neer.

Le Clair, S. D.

Inlaid Floors.

Hardwood Inter-
ior Co.

Inlaid Floor Co.
Pac. Floor Sand-
ing Co.

Interlocking Tile Blocks.

California Deni-
son Block Co.

Iron Foundry.

Steiger & Kerr,
Stove & Found-
ry Co.

Iron & Steel.
Baker & Hamil-
ton

Dawson & Noyes
Judson Mfg. Co.
Pacific Coast Steel
Company.

Trussed Concrete
Steel Company,
Woods & Huddart

Iron Works.

Brode Iron Wks.
Dyer Bros.

Eureka Wire &
Iron Wks.
Golden Gate Iron
Works

Hillard Co., C. J.
Kell Iron Works
Michel & Pfeiffer

Monarch Iron
Works

Pacific Iron Wks.
Pacific Structural
Iron Works.

Ralston Iron
Works

S. F. Iron Works
Sartorius Co.

Schraeder's Iron
Works

Steiger & Kerr
Stove & Found-
ry Co.

Vulcan Iron Wks.
West Coast Wire
& Iron Works

Western Iron
Works

Joint Hangers &
Post Caps.

Falls Mfg. Co.
Pac. Bldg. Mate-
rials Co.

Roman Co., C.
Waterhouse &
Price Co.

Western Bldgs.
Supply Co.

Lathers, Wood &
Metal.

Balzke, Robt.

Edwards, C. H.

Hayden, Fred

Kaiser, Jos.

McAbee, E. T.

Raymond, Wm. H.

Snell, Ralph L.

Lighting Fixtures
Day Co., Thomas
Mohillite Co.

Lime & Plaster Dealers.

Arden Plaster Co.
Cal. Lime & Hy-
drate Co.

Cowell Lime &
Cement Co.

Guerin & Co., J. S.
Lennon Co., J. E.
Pacific Portland
Cement Co.

Western Lime &
Cement Co.

Lumber Dealers.

Acme Lumber Co.
Christenson Lum-
ber Co.

Columbia Lumber
Co.

Doe Co., Frank P.
Excelsior Red-
wood Co.

Hardy Lumber Co.
Hart-Wood Lum-
ber Co.

Hauptman Lum-
ber Co.

Kruse Co., J. H.
Hooper Lumber Co.
Higgins Lumber
Co., J. E.

Loop Lumber Co.
MacDonald Lum-
ber Co.

Moore Mill and
Lumber Co.

Oakley, — Mahony
Lumber Co.

Peterson, E. T.
Pope & Talbot
Reinhart Mill &
Lumber Co.

Ryan, George
Santa Clara Val-
ley Mill & Lum-
ber Co.

Santa Fe Lumber
Co.

S. F. Lumber Co.
Schouten & Co., J.
W.

Sunset Lumber Co.
Tierman & Beronio
Van Arsdale-Har-
ris Lumber Co.

Wilson Bros. & Co.
Wood Lumber Co.,
E. K.

Wright, Jr., Wm.

Magnesite Floor- ing.

Artolith Mfg. Co.
Bender R.&P. Co.

Dwan & Co., J. E.
Fibrestone &
Roofing Co.

Flaherty R.&P. Co.
R. H.

Goodmansan, A. K.
Malott & Peter-
son

Watsonite Co.

Mantels, Tiles &
Grates

General Building
Work Co.

Gnecco, M. H.
Grassl & Co., P.

Mission Concrete
& Mosale Wks.

Mission Marble
Works.

Musto Sons-Keen-
nan Co.

New Era Marble
& Concrete Co.

Teltz, Francis E.
Tomagnini & Co.,
G.

Vermont Marble
Co.

Metal Lath.

Atlantic Fire-
proofing Co.

Berger Mfg. Co.
Holloway Metal
Lath Company.

Waterhouse &
Price
Western Builders'
Supply Co.

Metal Stamping
S. F. Metal Stamp-
ing & Corr. Co.

Notary Public.
Duncan, A. M.

Oils and Greases.
Standard Oil Co.
Union Oil Co.

Ornamental Plas-
tering.

Benkman, Ed. G.

Binner, Theodore
Larson, O. F.

Lipp & Co., J. F.

Painters and Dec-
orators.

Baker Co., W. T.

Ball, Wm. J.

Bernstein, Wm.

Blum, Louis

Brown, J. L.

Burns Bros.

Clark & Dickson
Cramer Bros.

Cornlin, J. J.

Cornpick, T. W.

Dahl, T. H.

Donovan, V. J.

Hansen, Elbing A.

Johnson, C.

Kissel, Isidor

Miller, L.

Miller, J. A.

McCubbin, James

Manning, John

Neal, L. J.

Progressive
Painting Co.

Quandt & Son

Ruderman, I.

Simon Neilson Co.

Smith, J. S.

Sovig, C. B.

Trost, C. R.

Walk, Mayer

Wagner, Fred

Wagner Bros.

Zelinsky, R.

Paints, Oils Varn-
ishes, Etc.

Clark & Dickson

Cohn & Co., Mar-
ion D.

Fuller Co., W. P.

O'Brien, J. S.

Paint Products
Corporation

Paraffine Paint Co.

Pratt & Lambert

Whittler - Coburn
Co.

Patent Chimneys.

Clawson Co., L. E.

Dresser - McDon-

Hughes, H. J.

Pile Driving.

Lamburth, C. E.

Paving Brick.

Cal Brick Co.

Planing Mills.

Acme Plgn. Mill

Anderson Bros.

Atlas Planing
Mill Co.

Builders' Supply
Depot

Cal. Door Co.

Cal. Planing Mill.

Emanuel, L. & E.
(Inc.)

Empire Planing
Mill

Hart & Burmels-
ter

Hermann, A.

Herring's Mill

Holden - Deuprey
Co.

Lorden Mill Co.,
J. P.

Main St. Planing
Premus Planing
Mill

Reinhart Lumber
& Planing Mill

Ryan, George

San Mateo Plan-
ing Mill

Santa Clara Val-
ley Mill & Lum-
ber Co.

Spencer St. Plan-
ing Mill

Taylor & Co.
Western Planing
Mill

Veyhle & Collins

Plasterers.

Bosch, Herman

Bradley & O'Reilly

Brennan, James

Campbell, Chas.

Campbell & Will-
iams

Connel Co., J. E.

Daly, J. H.

Duthie, Chas.

Gilmour, W. G.

Jones, Francis

Kaiser, Jos.

Leaf, Al.

MacGruer & Co.

Mellon, Thos.

Modica, S.

Mowat Donald

Shiblin, J. J.

Fillion, T. D.

Terranova Bros.

Wagner, James A.

Plumbing and Gas
Fitting.

Band, S. W.

Bernard, Geo. F.

Dunn, Neil H.

Goss, Wm. P.

Grundy, Ed.

Houston, J. J.

Kara, F. E.

Kiernan & O'Brien

Lacey, E. V.

Lauder, H. I.

Lawson, Herman

Lettich, Antone

Lettich, J. M.

Looney Co., J.

May, Gus

McLeod, J. J.

Penkerton, J. H.

Skelly, Thomas

Snook & Co.,
Fred W.

Turner Co., The

Wetzel, Theo.

Wilson & Co., W.

Plumbers Supplies

Klinney Co., R. W.

Mark-Lally Co.

Mueller Mfg. Co.,
H.

Nelson Mfg. Co.

Pac Sanitary Mfg
Co.

Paragon Brass
Mfg. Co.

Radiators.

American Radia-
tor Co.

Structural Steel Contractors.

Brode Iron Wks.
Dyer Bros.
Golden Gate Iron Works
San Francisco Iron Works
Ralston Iron Wks
Vulcan Iron Wks.

Surveyors.

Morser, E. J.
Quimby, L. S.
Wetherell, Chas E

Teaming & Grading.

Branick, J. P.
Blanchini, G.

Federal Transfer & Draying Co.
Carlin Bros.
Devencenzi & Co., L.
Dillon Teaming Co.

Federal Transfer & Draying Co.
Harbor View Contract Co.

Hule Co., E. M.
Lennon Co., J. E.
Leffler, Fred
McGlinchey & Monohan
Montague Co., P.
O'Day Co., D.
Powers, Chas. J.

Sibley Teaming & Grading Co.
Star Contracting Co.
Wright Co., J. H.

Tiling.

Cal. Tile Contr.Co.
Ginsberg & Co., S.
Mangrum & Otter
Peerless Agencies Co.

Vacuum Co.
Bill & Jacobson
Hughson & Merton Co.
Schaer Bros.
Stevens Co., Frank A.

Hyde Henry C.
United Elec. Co.
Wall Beds.
Marshall - Stearns Co.
Water Company.
Spring Valley Water Works.

Whitewashing
Brickley, P. J.
Reigle & Jameison
Taylor, L. A.

Window Cleaning.
American Window Cleaning Co.

Windows. Patent.
Simplex Window Co.

Central Electric Co.
City Electric Co.
Decker Electric Co
Globe Elec. Co.
Levy Elec. Co.
National Elec. Co.
Elevators.
Otis Elevator Co.
Van Emon Elevator Co.

Fibre.

S. F. Fibre & Cordage Co.
Fireproof Doors.
Norris, L. A.

Floor Sanding
Inlaid Floor Co.
Pacific Floor Sanding Co.

Grill Work.

Cal. Art Metal & Wire Works.
Merle Co., A.
Sartorius Co.
Withington, C. W.

Gen. Contractors.
Andrus, R. C.

Brigham, H. B.
Brockhage, Foley & Green
Caldwell & Co.
Cereghino & Son, Louis

Currie & Currie
Dempniak Bros.
Farquharson, D.B.
Fluth, J.

Fraser & Fraser
Graham, D. E.
Griffith, Wm.
Hannah, J. D.
Hannah & Co. J.S.
Hayes, W. W.
Jackson, A.
Kuykendall, J. O.
Malley, Edward.
Matthies, Henry
Peacock, John
Schnebly, Host-trawser & Ped-griff

Glass and Glazing

Cal. Plate & Window Glass Co.
Cohen, I.
Cobbledick-Kibby Glass Co.
Friedman Bros.
Fuller, W. P. & Co.
Habenicht & Howlett
Holland, J. P.
Schwarz & Gottlieb (Inc.)

Grading & Teaming.

Church, D. O., Co.
Dillon, D.
Eureka Teaming Co.
Fay, S. J.
McClure, H. N.
Wilhelm, A. H.
Wilkie Co., A.
Williams, F. A.
Wright, Chas.
Monarch Teaming Co.
Sibley, L. B.
McLenehan, S. B.

Granite.

Bradbury, Thos.
Cal. Granite Co.
De Lano & Sons, I. L.
Hunt, A. T.
Raymond Granite Co.

Hardware.

Joost Bros.
Kruse, J. H.
Lorenz, Schffaeer & Co.
Meyer, A.
Palace Hdw. Co.
Heat and Light.
Pacific Gas and Electric Co.

Heating & Ventilating.

Burnham Plumbing & Heating, Inc.
Cronan, Wm.
Mangrum & Otter
Montague, W. W. & Co.

House Moving & Raising.

Blume Cont'g Co.
Pearson, E. K.
Sullivan, D. J. & T.
Inlaid Floors.
Hardwood Interior Co.
Inlaid Floor Co.
Pacific Floor Sanding Co.

Iron Works.

Lorenz, Schffaeer & Co.
Michaels & Pfeiffer
Monarch Iron Works.
Pacific Rolling Mill Co.
Pacific Struc. Iron Works.

Joint Hangers & Post Caps.

Kortick - Falls Mfg. Co.
Lilley & Thurston Co.
Lorenz Schaffer & Co.
Western Builders' Supply Co.

Kawneer System Store Fronts.

Falls Mfg. Co.
Lilley & Thurston Co.

Light and Power

City Electric Co.
Pac. Gas & Electric Co.

Lime, Cement, Etc.

Acme Cement Plaster Co.
Arden Plaster Co.
Cowell Lime & Cement Co.
Holland, J. P.
Holmes Lime & Cement Co.
Lennon, Jas. E.
Lucas, W. E.
Pacific Bldg. Material Co.
Pac Lime & Plaster Co.
S. F. Lime Co.
Shasta Lime Products Co.
Western Building Material Co.
Western Lime & Cement Co.

Lumber.

Acme Lumber Co.
Christenson Lumber Co.
Hardy, Jas. H., Inc.
Hart-Wood Lumber Co.
Humboldt Lumber Co.
Hauptman Lumber Co.
Hooper Lumber Co.
Kruse, J. H.
Loop Lumber Co.
Macdonald Lumber Co.
Moore, R. B. Mill & Lumber Co.
National Mill & Lumber Co.
Olsen Mahoney Lumber Co.
Pope & Talbot.
Santa Fe Lumber Co.
Schouten Lumber Co.
Tiernan & Bero-nio
Van Arsdale-Har-ris Lumber Co.
Wilson Bros. & Co.
Doe Co., F. P.
Lumber (Hard-wood.)
Dieckmann & Co.
Howard, E. A. & Co.
Niehaus, Ed. F. & Co.
White Bros.
S. F. Lumber Co.
Machinery.
Harron, Rickard & McCone.

OFFICIAL LIST OF MEMBERS

BUILDERS' EXCHANGE

OF SAN FRANCISCO

180-188 JESSIE STREET

PHONE KEARNY 4700

OFFICERS AND DIRECTORS.

President, H. Maundrell.
Vice-President, E. J. Brandon.
Treasurer, C. W. Withington.
Secretary, R. J. H. Forbes.

Financial Secretary, S. A. D. Schenck.
Ass't Secretary, W. J. Carberry.
Doorkeeper, B. R. Wolcott.

DIRECTORS

H. Maundrell
E. J. Brandon
C. W. Withington
R. J. H. Forbes

R. A. Chisholm
Robert Dewar
Alexander Mennie
James Young

Chas. McDonnell
Fred P. Fischer
J. D. McGilvray

MEMBERS.

Architectural Iron Works

Acme Iron Works.
Bay City Iron Works.
Brode Iron Works
Central Iron Wks.
Dyer Bros.
Eureka Iron Wks
Kell Iron Works
Kortick - Falls Mfg Co.
G. G. Structural Iron Works.
Hillard, C. J. Co.
Judson Mfg. Co.
Mortenson Cons. Co.
Michaels & Pfeiffer
Phoenix Iron Wks
Ralston Iron Wks
Lorenz Schaffer & Co.
Schneider Iron Works.
St. Francis Orn. Iron Works
Stelger & Kerr
Stove & Foundry Co.
Vulcan Iron Wks.
Western Iron Wks
Withington, C. W.

Art Glass.

Ingerson & Glaser Co.

Blacksmith.

Paul Kleiber

Bonds.

Costello & Cutler
Aetna Life Ins. Co
Boole, F. W.
Empire State Surety Co.
Fidelity & Deposit Co. of Maryland
Gale, M. A.
Hillman & Son, J.R.
Jones, Edward M.
Lawton, A. F.
Lloyd & Spengler
MacMeans, H. V.
National Surety Co.
Pacific Coast Surety Co.
Perley, A. E.
Smith, Leo J.
United States Metal Products Co.
United States Fidelity and Guaranty Co.

Brick and Pottery.

Bay Development Co.
Cal. Brick Co.
Carey, J. E.
Carnegie Brick & Pottery Co.
Carquinez Brick & Pottery Co.
McNear Brick Co., E. B.
Peterson - Kartschoke Brick Co.
Remillard Bk. Co
Sacramento Trans. Co.
Steiger T. C. and Pottery Wks.
Thermos Brick Co

Building Material.

California Building Material
City Supply Co.
Fernald Co., The
Kortick - Falls Mfg Co.
Holland, J. P.
Howard Co.
J. E. Lennon.
Johns-Manville Co
Pacific Bldg. Material Co.
Pacific Refining & Roofing Co.
Parrott & Co.
Paraffine Paint Co
Pratt Building & Material Co.
United Material Co
Waterhouse & Price Co.
Western Bldrs' Supply Co.

Cement Dealers

Balfour, Guthrie Co.
Cowell Lime & Cement Co.
Holmes Lime & Cement Co.
Holland, J. P.
Maynard, Jr., J. L.
Meyer, A.
Pacific Portland Cement Co.
Western Building Materials Co.
Standard Portland Cement Co.

Clay Products.

Cal Brick Co.
Stanquist, Edward

Concrete.

Chase, Silas A.
Camp & Carillon.
Duncanson, Harrelson Co.
Foster & Vogt.
Goodman Artificial Stone Co.
Haun, C. C. W.
Leonard, J. J.
Lynch, A.
Pasqualetti, J.
Peterson, H. L.
Sartorio, Charles
Stanquist & Forbes
Zimmerman, L. M.

Concrete Reinforcement.

Pacific Building Material Co.

Contractors & Builders.

Allen, Alex. M.
Anderson, W. W.
Boring, F. H.
Born & Son, S. A.
Brady, C. A.
Braunton Bros.
Burdick, Wm. A.
Caldwell & Co.
Cameron & Diss-ton.
Cavanaugh, Thos. A.
Chisholm, R. A.
Cobby, J. W.
Coburn, I. W., Inc.
Concannon, W. N.
Conrad, H.
Creghino & Son, Lewis
Davis & Son, T. E.
Dewar, R. & Son.
Elam, Thos. & Son
Elliott, E. W.
Fahy, R. A.
Fischer, Fred.
Franz, Val.
Gillespie, G. G.
Gallagher, Frank.
Gardiser, Florent.
Greig, Robt.
Hansbrough Bros.
Healey - Tibbits Con Co.
Hinson, L. A.
Hill, J. A.
Holm & Son.
Howkins, C. A.
Jacks, H.
Jones, Paul
Jones, W. G.
Kent, S. H.
Knowles & Reichley.
Lester, E. T. & Sons.
Lynch, M. C.

Masow & Morrison
Mathews Con. Co.
Mathies, H. C.
McBain, J.
McKillican, R and Wm.
McLachlan, Thos.
Miller, Adam.
Moller, R. W.
Morey, H. B. & Son
Owsley, B. T.
Penny, Isaac.
McLeran & Peter-son.

Robinson & Gillespie.
Simmen, John.
Smith, J. W. & Son
Spence, A. T.
Stockholm & Allyn.
Terrill, G. C.
Vezina, L. N.
Warwick, H. C.
Buller, Thos.
White Bros. (car-penters).

Cornice Works.

Amsler, C. S.
Berger Mfg. Co.
Capitol Sheet Mtl. Works.
Comyns & Child-ers.
Conlin, J.
Cronan, Wm.
Forderer Cornice Works.
Gulfooy Cornice Works.
Appmann Cornice Works.
Heidt, Wesley.
Morrison & Clark.
S. F. Cornice Co.
Western Furnace & Cornice Wks.

Contracting Lather.

Hayden, Fred
Lynch, Richard
Snell & Dennis
Raymond, W. H.
Curbing, Granite.
McLenehan, S. B.

Damp Proofers.
Brickley, P. J.
Reigle & Jamison

Door Openers.
Rischmuller, Geo.

Electrical.
American Elec-trical Engi-neering Co.
California Elec-trical Works.

Masons & Builders

Alexander, R.
Allen, C. J.
Anderson & Ral-
ney.
Arlett, A.
Beck, A.
Brady, M. V.
Brady, O. E. & Son
Brandon, E. J.
Brennan, J. E.
Brigham, H. B.
Butcher, Thomas
Butcher & Hadley
Byron, D. J. & Son
Campbell Bros.
Carr, J. W.
Drake, Harry E.
Downey, J.
Farrell & Reed
Fennell, Jas.
Gale, M. F. & Son
Gilson, J. E.
Harrison, A.
Hibbins & Barker
Hock, Chas.
Hoffman, V.
Hogberg & Lud-
wig
Larsen, H. H.
Lawson, A. W.
McGowan, M.
Miller, J. W.
Murray & Mow-
bray.
Mulcahy Bros.
Nagel, W. L.
O'Connor, J. J.
O'Rourke, T. F.
Scott Co.
Ralney & Phill-
lips.
Reed & White
Ringrose, R. & Son
Scott, W. S.
Walker, P. J.
Watson, Sage
Watson, Sidney
Whitney & Davies
Wilson, James A.
Wygant, J. H.

Marble

American Marble
& Mosale Co.
Columbia Marble
Co.
Grassl, Peter, Co.

Hunt, Andrew T.
Maino, F. L. & Co.
Musto & Sons, Jos
Keenan Co.
Vermont Marble
Co.

Mantels, Tiles**Grates**

Ginsberg & Co., S.
Kirwin & Dono-
van.
Mangrum & Otter
Montague & Co., W.
Peerless Agencies
**Metal Furring &
Lathing.**
Holloway Ex-
panded Mtl Co.
Lynch, H. T.
National Lathing
and Furring
Northwestern Ex-
panded Metal
Co.

Metal Window**Works**

Dwan, J. E.
Mortar.
Atlas Mortar Co.
Mosaic.

Amer. Marble &
Mosaic Co.
Maino, F. L. & Co.

Office Fixtures

Bateman, Wm.
Forbes & Son, A. J.
Fink & Schindler
Co.

Simmen, John
**Ornamental
Plasterers**

Larson, O. F.
Woods, J. P.

Painters

Daniels, Gus V.
Donovan, V. J.
Fraser, J. P.
Kuss, P. N.
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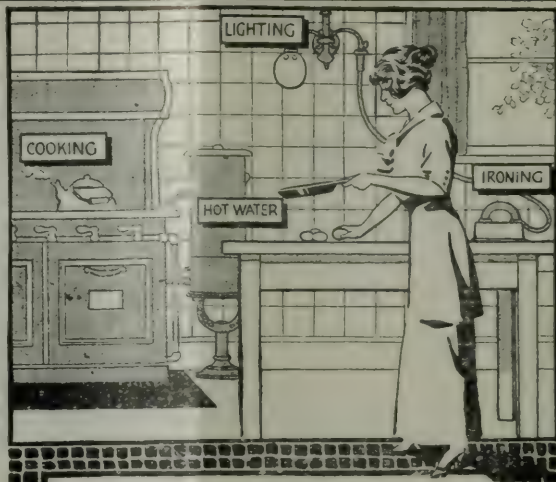
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Fifteenth Year, No 4



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Entered as second-class matter at San Francisco Post Office under act of Congress of March 3, 1879.

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Editorial Comment.

The production of tungsten ores in the United States during 1914 is estimated as equivalent to about 990 short tons carrying 60 per cent of tungsten trioxide (WO₃), according to preliminary figures collected by Frank L. Hess, of the United States Geological Survey, which are thought to be accurate within 5 per cent. This output is the smallest since 1903, when only 671 tons was produced. In 1913 the production was 1,537 tons, of which 953 tons was ferberite from the Boulder fields in Colorado, a quantity almost equal to that of the whole country in 1914, but the production of the Boulder field in 1914 was only 466 tons.

Prices ranging from \$6.50 to \$9 a "unit" (that is, so much a short ton for each per cent of tungsten trioxide), depending on the quality and quantity of the ore and the urgency of the buyers' and sellers' needs.

Of the various tungsten minerals, the one produced in largest quantity was scheelite, from the Atolia district, in the Mohave Desert, Cal. A little scheelite was also mined in the Deep Creek Mountains, Utah. Small quantities of both wolframite and hubnerite were shipped from Arizona, and hubnerite was produced on Patterson Creek, in the Blue Wing district, Idaho. Some wolframite was produced near Penasco, N. Mex., and in the Clark Mountain district, near Ivadpah, Cal.

The more easily mined tungsten ores which lie close to the surface are now largely worked out in the older districts, and mining is thus becoming more difficult and expensive; this is especially hard on the small operator.

The European war disturbed tungsten mining, as it did most other lines of business, and has had much to do with the reduced output, but the imports of ore, tungsten and ferrotungsten, as shown by figures collected by the Bureau of Foreign and Domestic Commerce, have been affected even more. During the year 267 tons of ore, valued at \$139,697, were imported, against 401 tons, valued at \$213,122, in 1913. During 1912 661 tons of tungsten metal and ferrotungsten, valued at \$835,212, were imported. In 1914 these imports dropped to 192 tons, valued at \$219,506.

The completion of the telephone line from here to New York and the actual carrying on of conversation over a distance of 3000 miles is an achievement that is noticeable from the fact that it excites little comment. The fact is that long distance telephoning has been extended and extended until reaching across the continent is only one more unit added on to the length. Wireless telephony is a thing ac-

complished. The only drawback to its practical operation is the fact that it can not be made secret. How far the telephone from San Francisco to New York will be made practical remains to be seen. In all probability its charges will be such that its use will be very much restricted and that the telegraph will still be the general means of communication.

The San Francisco Chronicle is giving a great deal of publicity to the affairs of the International Mercantile and Bond Company. That corporation seems to have been a collection agency whose capitalization was conducted along the lines of high financing. And the notoriety it is now receiving at the hands of the reactionary press is not because of the methods of the company, but because the names of two members of the Railroad Commission were associated with it. In all probability Mr. Thelen and Mr. Eshelman knew nothing about the corporation. Mr. Loveland was associated with it for years and should have known if he did not. His friends at least gave him credit for knowing and the complete intanglements of the concern were such that no one who did not know its history could untangle.

So also, the same people are giving a great deal of publicity to the private affairs of Dennis M. Duffy. After all has been said Duffy seems to have done about what any other man would do under the circumstances. He has protected himself and his clients. And the loud talk in the papers is not because of anything the Railroad Commission have done or that Mr. Duffy has done, but it is a chance to cast discredit upon some of the officers of the present administration.

The papers during the last few days have been printing statements made by Senator Guggenheim and Samuel Untermyer, the corporation lawyer of New York, in regard to the duty of the State to enact workmen's compensation acts, old age pensions and laws restricting the working hours for women and children. Can it be that these gentlemen have become convinced that the problem of unemployment confronts the nation and must be met in some efficient manner?

At the same time Ex-president Taft is quoted as referring in a speech before the New York Bar Association to California and Arizona as "fad ridden." This is no doubt called for by the fact that these states repudiated the standpat policies of Taft and have assumed the leadership in constructive reform. So also the passage of the alien land bills have been decidedly distasteful to the Easterners. Why, God only knows. For we are the ones that are affected and why the citizens of New York should want to run our affairs is hard to comprehend.

THE AREQUIPA POTTERY

There Inexperienced Girls, Who Come
Within the Shadow of a Great
Scourge, Make Some of the
Finest Pottery in America.

In Marin County, California, not many miles from San Francisco, is located a pottery which is entirely unique, not only in the character of its output and in its methods of making and burning, but in the very thought that gave it birth.

In a way, it may be said to have merely started, yet its wares are sold in the largest cities of the country, being handled by world noted retailers and commanding prices that rank with those demanded for the output of Americas best potteries and those of Europe.

The Arequipa pottery was founded about three years ago by Dr. Philip King Brown, of San Francisco. The buildings are situated about twenty miles north of the Golden Gate amid scenery scarcely rivaled in any other part of California, the location having been selected for what was known as the Arequipa Sanatorium. The object of this sanatorium was to give care and treatment to working women who were suffering from tuberculosis in the incipient form, and to have this care and treatment given at the lowest possible cost. Since a great part of the treatment was to be the breathing of health-giving fresh air, the site chosen was, as has been said, especially selected from a standpoint of health and scenic beauty.

Some idea of the extent of this philanthropy can be gained when it is understood that the maximum charge is \$1.00 per day, which includes an abundance of nourishing food, careful medical attention and nursing, as well as laundry, and all other living expenses.

After successfully working out the problem of making an institution of this kind self-supporting, Dr. Brown conceived the idea of finding a form of employment whereby the patients could earn the \$1.00 a day that was necessary for their maintenance. Most of the occupations followed by women were open to the objection that they either hindered the progress of the cure, or else the products of their labors might carry contagion. The thought came that the making of pottery was not particularly arduous nor at all likely to be detrimental to the health of the worker, while the burning of the ware at high temperature effectively insured against the objection that came through the idea of the finished products carrying and spreading the tuberculosis germ.

At first some doubt was felt as to the salability of ware made by inexperienced workwomen, but soon, under the supervision of a trained ceramist, the product reached a point where its merit attracted the attention of local dealers.

After a few months Arequipa pottery was on sale at nearly all of the large art stores in San Francisco, and orders grew larger and larger until it became imperative to build more kilns and to add the necessary facilities for doubling the output.

During the early months of the experiment, the workers were kept under the strictest observation, in order to ascertain what effect the work had upon their health. As a result of these observations, it was decided by the physician in charge, that the work was not only non-injurious but that it was actually beneficial. It was noted, that the girls working in the pottery made steadier gains than those who were not given this employment.

As a rule for the month or six weeks after the patient has arrived at Arequipa, she does not do anything but rest and recuperate, and then, if the physician in charge decides that she is strong enough to go to the pottery, she is allowed to work but one hour a day. After a period of observation, she shows no ill effects, the working period is gradually increased until the maximum of five hours a day is reached.

One of the greatest problems encountered is that of teaching the new workers and, from the very nature of the enterprise, this process goes on unremittingly. The average length of time that a patient stays is about six months, out of which must be taken the original entrance time of a month or six weeks. This would leave about $\frac{1}{2}$ to 5 months in the pottery. It must be remembered, too, that only incipient cases are taken, and, as a rule, the patient is strong enough to go home after a few months in the pottery. Here, her place is taken by another, who has to be trained to the work, and thus it happens that the best workers are constantly leaving, and the new untrained hands constantly being taken on.

Nearly all of the work is done by hand, there being no machinery outside of a small compressor which furnishes air to the glaze atomizers. The body of the ware is composed of California clays for the most part, a certain percentage of foreign material being used in some of the mixtures where special glaze surfaces are desired.

The California clays, however, are found very suitable for the kind of ware which is manufactured, as they are very plastic, safe to dry, and easy to burn. The color ranges from light cream to dark red. A red body containing about 60 per cent of local clay is the one most generally used, this being found about 200 feet away from the pottery.

Boys are employed to do the heavier work, such as digging the clay and screening it. This screening is done through a coarse screen at the pit, and the clay is then put in sacks and hauled to the pottery. The body is weighed out and mixed by hand in cement tanks, water added, and the mixture allowed to soak for about forty-eight hours.

It is then blunged with a hand pedal and screened through a 120-mesh sieve. After settling, the supernatant water is drained off and the thick slip is

stored in large crocks until it is wanted.

The throwing and press clay is prepared by drying out the slip in plaster boxes until it is of a proper consistency for working. A great deal of the ware is thrown, the wheel being the old-fashioned foot-power affair seen in all small potteries. The large pieces, such as garden urns, are pressed, while other shapes, irregular in form, are cast. The casting shop is over the kiln room, the waste heat from the kilns being sufficient to keep the molds dry. Three kilns are in use, all of the up-draft muffle type, and burning fuel oil. The temperature necessary to mature the glazes varies between 1150 degrees C. and 1190 degrees C. The average time taken to burn off a glaze kiln is about 24 hours.

The finishing and decorating of the ware is done entirely by the women patients. The designs are sketched or traced on the damp clay and then carved or painted, according to the manner in which the design is to be carried out. These designs are supplied by well-known artists who have become interested in the work, and a number of wealthy philanthropists have loaned priceless examples of old world porcelains, that they might be copied at Arequipa.

The decorating is all done out of doors, the climate allowing the workers to remain out in the open air for the greater part of the year.

They take the pieces upon which the designs have been sketched out to one of the trails near by, where they sit and work until the design is finished. When this is accomplished, it is submitted to the director, who passes upon the workmanship, and if, in his opinion, the design has been well carried out, the worker signs her initials upon the bottom of the piece, and it is then laid aside to dry.

The boys who harvest the clay and who do the other heavy work about the pottery are secured from the same source as are those who set and draw the kilns, and who also attend to the spraying and dipping of the pieces. These boys come from a San Francisco orphanage, and are taught the potter's trade the same as an apprentice would be taught in a larger pottery, with one exception—they are paid much better wages.

Considering the inexperience of the workers, it is surprising that the products of their hands should be of such merit as to find a ready sale, when offered in competition with the ware produced by the largest concerns in this country. At the present time Marshall Field & Company of Chicago, John Wannamaker of New York, and the Dohrmann Commercial Company of San Francisco find it to their advantage to handle Arequipa, and it is confidently expected that before long, every one who is interested in this wonderful work will be able to obtain examples of it in any of the large cities on this continent.

THE NEED FOR FOREST FIRE PROTECTION.

From the Oil and Mining Bulletin.

In view of the fact that the California legislature meets next month and that it will not meet again in regular session for two years, the Bulletin desires to call attention to the great need of the immediate passage of an adequate state law for the prevention and control of forest fires; and to suggest that best results can be obtained through co-operation between the state and federal governments. California has no effective forestry laws at present, and has not availed herself of the opportunity for such co-operation with the federal government extended when the Weeks' law was enacted in 1911, and it is the purpose of this article to set forth briefly the necessity for early passage of a forest fire prevention law, the inadequacy of our existing law, the excellent results which are being obtained by the federal system of fire control, and the desirability of co-operation with the federal system under the authority of the Weeks' law.

Losses by Forest Fires.

The actual money loss from forest fires in California during 1913 has been estimated by the United States forest service at half a million dollars, but that sum does not begin to represent the total amount of damage done. In other words, only a part of the damage done by the forest fires can be expressed in terms of dollars. The loss by fires in forest, field and brush, consists of (a) partial or nearly complete destruction of mature timber; (b) total destruction of young trees and saplings; (c) destruction of grass or stubble on grazing lands and hill-sides; (d) destruction of growing crops, especially grain, and (e) destruction of homes, out-buildings which may contain farm products in storage, fences, hay stacks, cattle and machinery.

These losses are all approximately measurable in terms of dollars. There are other and even greater losses incident to disastrous fires that cannot be measured by the dollar mark. The roots and the humus derived from dead leaves of brush and trees form a mat which prevents run-off of rainfall and allows the water to percolate into the ground and replenish the supply of springs. Fires destroy this humus, consequently the rainfall not only does not penetrate into the ground, but runs off rapidly and cuts gullies which cause future rains to run off even more rapidly. When large areas are thus denuded of vegetation the result is damaging floods during the rainy season, and almost complete drying of springs and failure of water supply during the rest of the year. This condition of desolation now actually exists over immense area in China, and where forests once existed the region is now a sharply eroded desert.

For these reasons the forests and thick brush on the slopes of our own mountains here at Los Angeles have a value which cannot be measured in dollars, and this value accrues to each of us, regardless of whether the mountain slopes are owned by the nation, state or private citizen. It is not an exaggeration to say that the complete destruction of the forest and brush on our mountains would absolutely ruin

Southern California, by cutting off the water supply. This brings the importance of fire prevention home to each individual.

Still another great risk to the people at large is that of the possibility of destruction of forests over our many regions valuable for the scenic attractions and as recreation resorts. What attraction—and consequently what value—would remain to Lake Tahoe, the Yosemite, the Big Tree groves, and our thousands of lake and mountain resorts, if a disastrous fire should leave the surrounding country a ghastly skeleton of blackened poles? Could the loss to the state and to each citizen be measured in dollars and cents?

There are in California some twenty million acres of forest land covered with timber which is commercially valuable under present economic conditions, and its value is about \$700,000,000. There are many times this area subject to possible loss from brush and grass fires. As citizens and as a state, are we doing all we should do to protect these natural resources?

Present State Law Is Inadequate.

In 1885 the legislature passed "An Act to Create a State Board of Forestry," and carrying an appropriation of \$2,500 for the work, which was chiefly educational. From 1885 to 1890 this board was supported by the state, but in 1893 it was abolished for reasons unknown to the writer, and for ten years the matter of forest protection in California lay dormant. In 1903 the state board of examiners was empowered by the legislature to co-operate with the United States forest service in gathering information on which to base an intelligent forest policy. This report was rendered to the legislature in 1907. Meanwhile—and before the report of the state board of examiners was completed—our legislature of 1905 enacted the basic forest law of today, which provides for an ex-officio state board of forestry; a technically trained state forester and two assistants, with authority to appoint volunteer fire wardens to serve without pay, and for the maintenance of a preventative fire patrol only when the counties or private owners will pay for it! This department of our state government has never been given the proper legislation or sufficient funds to enable it to accomplish very much. The law clearly contemplated that the counties would furnish the money and allow the state forester to expend it systematically, but things do not work out that way. Each year the state forester has reported the needs of his department to the legislature, and each year he has been ignored. For instance, the report for 1911 says:

"Most of the counties have shown little or no interest in fire protection. Their attitude is not to be wondered at, since the state and private owners have been equally indifferent."

The report for 1912 says:

"It has been demonstrated that the volunteer fire warden system is inadequate to prevent many of the larger fires and to successfully prosecute the offenders. A paid fire patrol, maintained by the state, must be established."

The records show that forest fires are on the increase in California, outside of the national forests. This is probably due to increase in population and to improvement in means of ac-

cess into the forests. Figures submitted to the chairman of the subcommittee on forest fires of the National Conservation congress show that the United States forest service is yearly decreasing fires and the extent of their damage, by means of an organized prevention and fire-fighting system by which the shortest possible time is allowed to elapse between the start of a fire and the arrival on the scene of a properly equipped and sufficient body of men to extinguish it.

Efficiency of the Federal System.

In the State of California, from 1910 to 1913 inclusive, this national service has increased from 41 per cent to 83 per cent the number of fires extinguished before an area greater than ten acres was burned over; and has decreased the average acreage burned over per fire from 653 to 31 acres. These figures are exceedingly impressive and clearly indicate efficiency on the part of the federal forest service in California. The national forests of California cover some 28,000,000 acres and contain about one-third of the merchantable forest area of the state, and the system which effected the above mentioned result cost the federal government from \$136,000 to \$250,000 a year to maintain—an average of seven-tenths of one cent per acre.

The federal government, controlling one-third of the forest and brush area of California, maintains a protective system comprising about 850 men during the dry season; 90 lookout stations manned and equipped with fire-detecting devices; more than 3,000 miles of telephone line and connections, with an equal amount of private lines, together with tools and supplies located at strategic points, and mounts for 750 men. The results of this system have been briefly stated above. The state, controlling two-thirds of the forest and brush lands (including that privately owned), has no paid field service and no funds with which to pay men who actually fight fires.

Legislation Necessary.

While the United States forest service is accomplishing this excellent result in the national forests of our state at a cost of less than one cent per acre, fires are increasing on lands outside the national forests. An average of about 500 fires a year may be expected to start throughout the state. What has the state of California done in this matter?

In 1911 the Congress passed the Weeks' law (36 Stat. 961). "To enable any state to co-operate with any other state or states, or with the United States, for the protection of the watersheds of navigable streams," by means of which any state having its own system of forest fire protection may co-operate with the forest service of the federal government and share in the benefits of that excellent service. Furthermore, the federal government will meet the state in the matter of expenses, so that the state appropriation will go much farther, in addition to having the benefit of the experience of the forest service. California has not availed itself of this law.

The present administration at Sacramento, in accordance with its platform promises, appointed a conservation commission in 1911 to study forestry and other matters.

This commission proposed a fire bill

and in its report to Governor Johnson said:

"The commission's proposed fire bill, if enacted into law, will, the commission believes, greatly aid in the prevention and suppression of forest fires. The state should have a well organized fire patrol under the guidance of a practical fire warden—which is the most effective manner known of preventing and suppressing fires."

The bill proposed by the commission appointed by the Governor was considered by all authorities and those chiefly interested in forest preservation, as a good working measure. It had been drawn after two years' careful study of conditions, and aimed to remedy the defects which for years had been pointed out by the state forester and others interested. It was passed by both the assembly and the senate in May, 1913, and went to Governor Johnson, who failed to sign it within the statutory period. Consequently California is practically where it was in 1905 so far as forest protection is concerned, and our most important natural resource is without state protection.

The importance of correcting this neglect at the earliest possible date cannot be overestimated. It is a matter which comes straight home to every citizen and it should be taken up by every civic and industrial organization throughout the state.

From Brick Clay Record.

U. S. AS BIG EXHIBITOR.

First News Details of the United States Government Exhibit at the Panama-Pacific International Exposition.

Preparations for the largest Government exhibit ever made by one nation at an exposition are nearing completion in six of the exhibit palaces at the Panama-Pacific International Exposition at San Francisco. The display is that of the United States and is to occupy all told 173,000 square feet of exhibit space. Its total cost will be in the neighborhood of \$500,000.

Nearly every one of the departments of the Federal Government is to be represented, the exhibits being distributed among the appropriate palaces. In the Palace of Mines and Metallurgy for instance the Bureau of Mines is constructing a series of model mines, beneath the floor. In the Palace of Machinery will be a display of the manufacture of arms and armament and all of the technical and mechanical side of the army and navy operations. Here also will be the exhibit of the lighthouse department and a miniature model of a naval drydock.

In the mines building also will be an exhibit of the post office department designed to serve as a working model where all the Exposition mail will be received and distributed. Another working model will be presented by the U. S. Mint.

The largest display will be in the Liberal Arts building where more than 66,000 square feet of space has been allotted to the Government. Here will be the American Red Cross society, with demonstrations of the work it is doing on the battlefields of Europe and elsewhere, the educational exhibit of the army and navy depart-

ments, showing how our soldiers and sailors are trained; the Federal health department; the interior department with its various bureaus such as the land department, the bureau of Indian affairs, and the like; the department of commerce and labor, and a host of others.

Exhibits will also be made extensively in the Palace of Agriculture, Education and Food Products. The principal display in the first of these points of popular interest will be an aquarium utilized to demonstrate the work of the Government bureau of fisheries.

The Government exhibit spaces are to be surrounded with a uniform balustrade handsomely ornamented with the National emblems. The construction work is under the direction of Charles H. Curnow and is rapidly nearing the stage when everything will be ready for the reception of the actual exhibits.

The Government exhibit board, now in Washington, D. C., will shortly take up quarters in the Palace of Food Products on the Exposition grounds. Its personnel is as follows: Adolph Miller, chairman; S. W. Stratton, F. Lamson Scribner, W. de C. Ravenel, secretary; J. C. Boykin, assistant chairman; T. J. Taylor, disbursing agent; and R. E. Shannon, transportation agent.

NEW ZEALAND TRADE IN GLASS.

[Consul General J. I. Brittain, Auckland, Oct. 23.]

In reply to various inquiries concerning the importation of plate and other window glass into New Zealand, the following may be interesting. Prior to the war New Zealand purchased its supply chiefly from the United Kingdom, Belgium and Germany. The purchases from all other countries were insignificant.

In 1913 the United Kingdom exported 755,405 superficial feet of plate glass to New Zealand, valued at \$108,363; Germany 19,312 feet, valued at \$4,028; Belgium 441,311 feet, valued at \$99,581. The importations of window glass were: From the United Kingdom 1,977,785 feet, valued at \$111,080; Germany 299,841 feet, valued at \$12,700; Belgium 3,193,766 feet, valued at \$143,905.

Plate glass and window glass are not subject to any import duty, hence there is no preferential tariff.

INVOICES FOR PHILIPPINE SHIPMENTS.

[Announcement Prepared by the Bureau of Insular Affairs, War Department, Washington.]

The Philippine customs authorities have called attention to a prevalent and growing practice on the part of American shippers of goods to the islands of certifying that articles included in their invoices are of American origin when they are foreign products. American products are entitled to enter the islands duty free, and the only invoice required is a commercial invoice certified by the shipper that the goods covered by it are of the growth, product, or manufacture of the United States. Foreign goods entering the islands are subject to duty and must be accompanied by a consular invoice sworn to as to its correctness.

This practice of including foreign goods in invoices purporting to cover

only American products has made it necessary for the insular authorities to scrutinize carefully all invoices. When foreign goods are discovered they have to look to the importer, or rather to the imported merchandise itself, for the payment of the duties accruing thereon, and this has occasioned considerable dissatisfaction among and numerous complaints from Philippine importers.

The insular authorities in order to facilitate and encourage trade between the islands and the United States have made the invoice requirements as simple as the law and sound administration will permit. For the same reason they do not desire to put American shippers to the expense and inconvenience of swearing to their invoices before notaries public, or of using consular invoices, both of which they are authorized to do, and therefore urge American shippers to exercise greater care in the future.

CONSTRUCTION WORK ABROAD.

CANADA.

[Consul General R. E. Mansfield, Vancouver, B. C., Canada, Dec 11.]

Contract for Government Elevator.

The Dominion Minister of Trade and Commerce has announced the letting of the contract for constructing the \$600,000 (1,250,000-bushel) Government terminal elevator at Vancouver. The elevator will be erected on Burrard Inlet. The buildings will be of concrete and equipped with the most modern elevator machinery. In the construction of the plant the provincial government is providing facilities for handling in this port the grain that will be shipped from the western Prairie Provinces to Europe and Atlantic coast ports in the United States, via the Panama Canal, and to the Orient.

The construction of an elevator of large capacity at this port will increase materially the shipping business in the harbor, and it is claimed by the water transportation companies that grain can be carried from Vancouver to the eastern seaboard cheaper than it can be transported by rail half way across the continent. The elevator in Vancouver will be ready for handling the grain crop of 1915.

BRIDGE BUILT IN A NIGHT.

Of course the night referred to is an arctic night, which is very long. But the feat is none the less wonderful, accomplished there in the coldest regions inhabited by human beings. This incredible feat was accomplished not so long ago in Alaska when a cantilever bridge was built across the Kuskulana river.

The arctic night was turned into day by the use of powerful electric lights, and the pneumatic riveters were enabled to work against extreme weather conditions by forcing steam along with the compressed air.

The Kuskulana bridge forms the last link in a railroad which reaches from Cordova to the Bonanza copper mines at Kennecott, 200 miles away. The bridge is 225 feet above high water when it races through the canyon below. In length it measures 800 feet. Solid concrete piers are the anchorages.

ADVANCE NEWS

Classified according to Character of Work

APARTMENT HOUSES

SAN FRANCISCO—Apartment house, 3 story and base. Class C construction, \$45,000. Architect, Frederick H. Meyer, Bankers Investment Bldg., S. F. Owner, A. Rothberg. The building will be erected on the north side of Post street east of Larkin, having a frontage of 63½ feet by a depth of 127 feet. There will be a total of 21 suites of two and three rooms. All apartments will have wall beds and private bath rooms. Interiors will be finished in pine and elm. Hardwood floors will be used in the lobby and dining rooms. Bath rooms will have tile wainscot and composition floors. Plans provide for steam heat, an automatic elevator and hot water supply. Marble wainscot will be used in the entrance. Exterior of the building will be faced with pressed brick and terra cotta. Plans are complete and figures are being taken.

SAN FRANCISCO—Apartment house, 3 story and base, frame, \$10,000. Architects, Rhodes & Marisch, 3372 16th street, S. F. Owner, Henry Sipple. The building will be erected at the northeast corner of 19th and Lexington streets, and has been designed to contain nine suites of three rooms and bath. Interior finish will be of pine and elm panels. Some hardwood floors will be used. There will be steam heat and a hot water system. All suites will have wall beds. Bath rooms will be finished in imitation tile with composition floors. Tile wainscot will be used in the entrance. Exterior of the building will be covered with rustic and shiplap. Plans are nearly complete and figures will be called for at once.

SAN FRANCISCO—Apartment house, 3 story and base, frame, \$10,000. Architect, C. O. Clausen, Phelan Bldg., S. F. Owner, Teresa Felt. The building will be erected on the north side of Union street west of Baker, covering an area of 27½ by 80 feet. Interior will contain six apartments of two and three rooms. All suites will have wall beds and private bath rooms. Interior finish will be of pine, redwood and elm. Hardwood floors will be used in the living and dining rooms. There will be a hot water supply. Bath rooms will have tile wainscot and composition floor. The basement will be used for a private garage. Exterior of the building will be covered with rustic and cement plaster on metal lath. Plans are complete and figures are being taken.

SAN FRANCISCO—Apartment house, 3 story and base, frame, \$7,500. Architects, Rhodes & Marisch, 3372 16th street, S. F. Owner, Henry Sipple. The building will be erected on 19th street near Lexington and has been designed to contain six apartments of three rooms and three of two rooms. Interiors will be finished in pine and elm panels. There will be a hot water supply, wall beds and private bath

rooms. Bath rooms will be finished in imitation tile and composition floors. Entrance will have tile wainscot. Exterior of the building will be covered with shiplap and rustic. Plans are being prepared.

SEATTLE, WASH.—Apartment house, 4 and 5 story and base, brick and steel, \$105,000. Architect, J. O. Taft, 2334 10th avenue, North Seattle. Owners, Modern Woodmen of the World. The building will be erected at the southeast corner of Pine and Minor streets, and will be erected for investment purposes. There will be five stores on the Minor street frontage. Upper floors will contain a total of 72 suites of two and three room apartments. Interior finish will be of pine and redwood. Hardwood floors will be used in the living rooms and halls. Plans provide for steam heat, elevator service, a hot water system and vacuum cleaning. All suites will have private bath rooms and wall beds. Bath rooms will have tile floors and wainscot. Entrance will be finished in marble and tile. Exterior of the building will be faced with pressed brick trimmed with terra cotta. Plans are nearly complete and figures will be called for February 15th.

SAN FRANCISCO—Apartment house, 5 story and base. Class C construction. Cost not stated. Engineer, Pierre Zucco, 166 Geary street, S. F. Owners, Whittell Estate, 166 Geary street, S. F. The building will be erected on California street near Jones, and has been designed to contain four large apartments ranging from eight to nine rooms, each with several baths, private halls and entrances. The entire top floor will be given over to servants' quarters. Interiors will be finished to suit the tenants. Hardwood floors will be used in the principal rooms. Plans provide for steam heat, elevator service, vacuum cleaning, a hot water supply and dumb waiters. Bath rooms will be finished in tile. Marble and tile wainscot will be used in the lobby and entrance. Exterior of the building will be faced with pressed brick. Plans are complete, but figures will not be taken until spring.

Contracts Awarded.

SEATTLE, WASH.—Apartment house, 5 story and base, reinforced concrete, \$85,000. Architects, Bebb & Gould, Denny Bldg., Seattle. Owners, Fischer Building Co. Contractors, W. T. Butler Contracting Co., Central Bldg., Seattle. Contract price, \$85,000. Note: This building will be in the nature of an addition to the present Fischer Building on 3rd avenue between Pike and Pine streets.

BONDS

PORTLAND, ORE.—Bonds have been voted in this city for the construction of an incinerator plant in the amount of \$200,000. Preliminary plans for the

construction of the plant are now being prepared by Commissioner Daly.

DELANO GRAMMAR SCHOOL DISTRICT, KERN CO., CAL.—The election for bonding the Delano Grammar School District to the amount of \$23,000 for the building of a new grammar school building will be held on February 5th. The trustees of the School District intend to have a one-story building containing six rooms and a large auditorium. The bonds will be in denominations of \$2,300 each, payable from five to fourteen years.

SANTA BARBARA, SANTA BARBARA CO., CAL.—The County Commission are now considering the proposition to bring the proposed county road issue within the \$1,000,000 limit. All survey work has been completed. Secretary of the Commission F. E. Kellogg, when asked his opinion on the proposition, stated: "Every section wants permanent roads and to meet the demand would require a greater sum than we could legally ask for. The engineers and commission have made their data on a permanent road basis, no dirt roads being considered."

"We have included roads in every part of the county, with both long and short stretches, and the result is that the cost far exceeds the limit, for the bonding limit of the county is only five per cent of the assessed valuation, and under this we are limited to \$1,450,000.

"We had expected to ask for \$1,000,000 for roads, culverts and bridges leaving \$450,000 for County Hospital, Detention Home, and other items which past grand juries have considered necessary. But before we can make our final report to the supervisors we will have to modify our proposed road work to bring the estimate within \$1,000,000."

NAPA, NAPA CO., CAL.—The Board of Supervisors will receive proposals for the sale of \$125,000 par value State Highway bonds until January 27th. N. W. Collins is the County Clerk.

MODESTO, STANISLAUS CO., CAL.—The Anglo and London-Paris National Bank was the successful bidder on the 13th before the Board of Supervisors of Stanislaus County for the \$75,000 worth of State Highway bonds, the first installment of the \$216,000 worth recently purchased by this county to insure the construction of the extension of the Sonora lateral through Knights Ferry to a point near Salida. This bid amounts to 93¼ cents on the dollar, and according to J. W. Harris, who negotiated the purchase, is the highest made since the beginning of the European war.

AUBURN, PLACER CO., CAL.—The immediate sale of the Auburn Grammar School bonds has been postponed, as the W. R. Statts Company of San Francisco state they are unable to purchase the issue. The bonds are in the sum of \$45,000. The sale of the bonds has been hampered by the tech-

nical failure to provide for the payment of the first interest due on the issue. Bids will be readvertised.

HOOD RIVER, ORE.—Bonds in the sum of \$75,000 have been voted here for the construction of good roads.

DEER LODGE, MONTANA.—Bonds of \$100,000 have been voted for the construction of a court house. Link & Haire of Billings, Mont., are the architects for the new building.

ONTARIO, ORE.—Bonds in the sum of \$30,000 have been voted for the erection of a new court house.

SEATTLE, WASH.—Bonds in the sum of \$1,000,000 have been sold by the County Commissioners for the construction of good roads and bridges during the year 1915. Bonds have also been sold for the construction of steel and concrete bridges over Lake Washington Canal. These bonds amount to \$829,000. Plans for the bridges are now being prepared by City Engineer Dimock.

MONTEREY COUNTY, CAL.—William R. Statts Company of San Francisco has purchased jointly with E. H. Rollins and N. W. Halsey & Co. \$570,000 Monterey County Highway 6 per cent bonds.

LINCOLN SCHOOL DISTRICT, SANTA CLARA CO., CAL.—An election will be held on February 13th in the Lincoln School District, Santa Clara County, at which time the people will vote on the proposition to issue and sell bonds in the sum of \$10,000.

Should the issue carry the proceeds will be used in the construction of a new school building. Morgan Johnson, H. O. Shelley and A. Hansen are members of the Board of Trustees of the Lincoln School District.

MODESTO, STANISLAUS CO., CAL.—No further purchase of State Highway bonds will be made by Stanislaus County in the program of financing the State Highway lateral from Salida to Sonora, for at least 60 or 90 days, according to Vaughn D. Whitmore, chairman of the Supervisors, who has just returned from Sacramento where he conferred with the Highway Commission in the matter.

SAN BERNARDINO, SAN BERNARDINO CO., CAL.—Highway bonds in the amount of \$500,000 and hospital bonds in the amount of \$150,000 have been ordered advertised for sale by the Board of Supervisors.

EL CENTRO SCHOOL DISTRICT, IMPERIAL CO., CAL.—An election will be held in the El Centro School District on February 5th, at which time the voters will decide the proposition of issuing and selling bonds in the sum of \$60,000.

Should the election carry the proceeds of the sale will be used to improve school facilities in the district. Chas. Berkman is one of the trustees.

PASADENA, LOS ANGELES CO., CAL.—Bonds to the amount of \$24,000 bought by the First National Bank have been declared valid and money will be applied on back accounts of the Board of Education and for added improvements.

SAN FERNANDO, LOS ANGELES CO., CAL.—After three elections and two bond sales of the Morningside School District, word has been received that the \$55,000 bonds voted for the district have been pronounced valid.

FRESNO, FRESNO CO., CAL.—Six thousand dollars Fresno County's in-

terest on the \$150,000 of State Highway bonds, have been received by County Treasurer Ewing and has been placed to the credit of the county. The Supervisors bought the bonds in order to assist the State in constructing the highway through Fresno County. The bonds draw 4 per cent interest.

KINGSBURG, FRESNO CO., CAL.—The Trustees of the Kingsburg Joint Union High School District have issued a call for a bond election to vote on the question of issuing 6 per cent bonds of the district in the amount of \$40,000, running twenty-four years, for the purpose of constructing a new and modern high school building. The election will be held Saturday, February 13th. The building if constructed will be located on the new site purchased last summer by the trustees for that purpose. The new site is a ten-acre tract about a block north of the present site and abutting on the east end of Draper street, the main business thoroughfare of the city.

HANFORD, KINGS CO., CAL.—Kings County has passed resolutions looking to the purchase of \$70,000 worth of State Highway bonds, and to the construction of concrete bridges over streams and irrigating canals along the route.

VACAVILLE, SOLANO CO., CAL.—The Board of Trustees of the Town of Vacaville will sell to the highest bidder bonds in the sum of \$30,000. W. L. Strong is president of the Board of Trustees.

BRIDGES AND DAMS.

RICHMOND, CONTRA COSTA CO., CAL.—Dredging. Cost not stated. Engineer, City Engineer Chapman, Richmond. Owners, City of Richmond. Three bids were received by the City Council for the dredging of the south channel of the San Pablo Canal. The bidders were as follows: San Francisco Bridge Co., dredge to six-foot depth for 28 cents per cubic yard, and for dredging to a seven-foot depth 22 cents per cubic yard. Standard American Dredging Company, dredging for 14½ cents per cubic yard to a seven-foot depth. Richmond Dredging Company, to a depth of six feet 12½ cents per cubic yard and 9½ cents to a depth of seven feet. All bids were referred to City Engineer Chapman who will submit a report on all bids at the next meeting of the council.

TACOMA, WASH.—Diking, \$350,000. Engineer, D. B. Roben, Tacoma. Owners, Hylebos Creek Protection District. Field work has been started for the proposed Hylebos Creek diking work to cost \$350,000 on the tide flats here and plans will be ready for figures about March 1st. The proposed channel will be 2½ miles long and 200 feet wide. Dike and bulkheads will be built along both sides of the channel and tide flats filled. Chester Thorne is chairman of the Diking Commission, John Buffelman is secretary, and L. A. Nicholsen is engineer.

FRESNO, FRESNO CO., CAL.—Bridge, reinforced concrete. Cost not stated. Engineer, City Engineer, Fresno. Owners, City of Fresno. The bridge will be erected over Dry Creek on Coast avenue. Plans are complete and figures are now being taken. Bids will be opened on February 1st. Plans and complete information can be secured from the City Engineer.

OAKLAND, CAL.—Boat house, 1 story, reinforced concrete, \$10,000. Architect, Walter Reed, Oakland Bank of Savings, Oakland. Owners, City of Oakland. This building will be erected on Lake Merritt and has been designed for the storage of canoes. Plans are also being prepared by the same architect for a water pavilion costing \$2,000, which will be erected in Independence Park. Plans for both of these jobs will be completed within a week and figures will be taken. Notice will be given in these columns when the official advertisement appears.

CHURCHES.

ONTARIO, SAN BERNARDINO CO., CAL.—Mausoleum, 1 story, reinforced concrete and granite, \$60,000. Architect's name not given. Owners, Granite Mausoleum Co., L. A. The building will be erected in Bellevue Cemetery, and has been designed in the classic style. The building will cover an area of 35 by 119 feet and will be 25 feet high. Interior will be finished in marble and ornamental bronze. Art glass windows will be installed. Exterior of the building will be faced with granite. Plans are complete and in the hands of the owners.

COURT HOUSES.

SAN FRANCISCO.—City hall elevator work. Cost not stated. Architects, Bakewell & Brown, 251 Kearny street, S. F. Owners, City and County of San Francisco. Plans have been completed and approved for the elevator work, both electric and hydraulic, in the new City Hall. Bids are being taken and will be opened by the Board of Public Works on February 10th. Plans and specifications can be secured from the City Department of Architecture, Temporary City Hall.

FACTORIES AND WAREHOUSES.

PORTLAND, ORE.—Grain elevator, reinforced concrete and steel, \$500,000. Engineer, G. B. Hegardt, Portland. Owners, City of Portland. At a meeting of the Commission of Public Docks a decision was reached whereby the City Council will be requested to submit a proposed bond issue in the form of a charter amendment at the next election for the purpose of erecting a large grain elevator. The proposed structure will cost \$500,000. Together with the cost of the site and appurtenances \$900,000 will be required to complete the project.

SAN FRANCISCO.—Shed, 2 story, frame. Cost not stated. Engineer, Assistant State Engineer, Ferry Bldg., S. F. Owners, State of California. Bids will be opened by the State Board of Harbor Commissioners on January 28th instead of on January 21st for constructing the two-story frame shed for the Wells-Fargo Co. on dolphin south of the Ferry Building. Plans and specifications can be secured from the office of the Assistant State Engineer, Ferry Bldg. The building will be 430 by 110 on the first floor and 200 by 110 on the second floor.

SAN FRANCISCO.—Factory group, 1 and 2 story reinforced concrete. Cost not stated. Engineer, Engineering Department, American Can Co., Mills Bldg., S. F. Owners, American Can

Co. Property in the Potrero district has been purchased by the American Can Co. through the Crocker Bank. This holding is one of the largest in the Potrero district and the purchase price totals several hundred thousand dollars. The company will build one of the largest factories in the west on their new property. In speaking of the new buildings the general manager of the American Can Co. stated that plans for these buildings would be designed by the company's engineering department. There will be several large structures, all of which will be of reinforced concrete type.

FONTANA, CAL.—Packing house, 2 story and base, reinforced concrete. Cost not stated. Architects, William Curlett & Son, Title Insurance Bldg., L. A. Owners, Torrance-Marshall Co. The building will be 80 by 100 feet and entirely of reinforced concrete construction with steel roof trusses and concrete roof slabs. The Llewellyn Iron Works has the contract for the structural steel work and the Southern California Hardware and Steel Co. the contract for the reinforcing steel. Plans are also being prepared for a number of concrete residences, freight and passenger depots and business buildings to be erected for the same company.

LOS ANGELES, CAL.—Warehouse, 4 story and base, reinforced concrete, \$100,000. Architect, W. J. Dodd, Marsh-Strong Bldg., L. A. Owners, H. R. Boynton Co. The building will be erected on Bay street and will cover a large ground area. Construction will be fireproof with reinforced concrete walls, floors and roof slabs. Metal window frames and sash and fireproof doors are specified. No interior finish will be used except in the front portion of the building which will be used for offices. Plans provide for steam heat, elevators and modern plumbing. Exterior of the building will be faced with cement plaster. Plans are now being prepared.

Contracts Awarded.

SAN FRANCISCO — Warehouse, 2 story and base, reinforced concrete, \$30,000. Architect, George Wagner, S. F. Owners, Sperry Flour Co. Contractors, Clinton Fireproofing Co., Mutual Bank Bldg., S. F. Contract price, \$30,000.

LOS ANGELES, CAL.—Brewery addition, 1 story and base, reinforced concrete, \$19,100. Architects, Mayberry & Parker, Pacific Electric Bldg., L. A. Owners, Los Angeles Brewing Co. Contractors, National Fireproofing Co., Central Bldg., L. A. Contract price, \$19,100.

FLATS.

SAN FRANCISCO—Flats, 2 story and base, frame, \$10,900. Architect, W. O. Banks, 2325 Larkin street, S. F. Owner Lily Leale, 2458 Vallejo street, S. F. The building will be erected on the north side of Green street west of Broderick, and will cover an area of 30 by 83½ feet. There will be two modern flats of six rooms each. Interior will be finished in pine, redwood and hardwood. Hardwood floors will be used in the living rooms, dining rooms and reception halls. There will be furnace heat and open fire places. Mantels will be of tile or brick. Bath rooms will have tile wainscot and

composition floors. Entrances will be finished in marble and tile. Exterior of the building will be covered with rustic and cement plaster on metal lath. Plans are complete and the work will probably be done by Contractors Seth and George Walker, 110 Jessie street.

SAN FRANCISCO—Flats, 2 story and base, frame, \$9,000. Architect, E. E. Young, 251 Kearny street, S. F. Owner, Thomas Scoble, 363 14th avenue, S. F. The building will be erected at the northwest corner of Palm and Euclid avenue, covering an area of 29 by 75½ feet. There will be four modern flats. Interiors will be finished in pine with some elm panels. Hardwood floors will be used in the principal rooms. There will be a central heating system and open fire places. Mantels will be of tile or brick. Bath rooms will be finished in tile with composition floors. Automatic water heaters will be installed. Exterior of the building will be covered with cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor. Materials are now being purchased.

SAN FRANCISCO—Flat alteration, 2 story, frame. Cost not stated. Architect, Albert L. Lapachet, 110 Sutter street, S. F. Owner's name not given. The building to be altered is a large old family residence located on Eddy street near Broderick. Included in the work will be interior finish, plastering, electric work, hardwood floors, some tile work and a little plumbing. Exterior will be covered with cement plaster on metal lath. Plans are complete and figures are being taken.

SAN FRANCISCO—Flats, 2 story and base, frame, \$3,500. Architect, Arthur Halstrom, 3146 Divisadero street, S. F. Owners, Halstrom & Lacazette, 3146 Divisadero street, S. F. The building will be erected on the south side of Lombard street west of Baker, and has been designed to contain stores on the first floor and a six-room flat on the upper floor. Interior finish will be of pine and redwood. Some hardwood floors will be used. There will be an open fire place in the living room. Mantel will be of tile. Tile wainscot will be used in the bath room. Exterior of the building will be covered with rustic and cement plaster on metal lath. Plans are being prepared and when complete the work will be done by Day Labor.

SACRAMENTO, CAL.—Flats, 2 story and base, frame, \$6,000. Architect, none. Owner, W. D. McKoy, 3029 E street, Sacramento. The building will be erected on H street between 23rd and 24th streets, and has been designed to contain four modern flats of four rooms each. Interior finish will be of pine and redwood with some elm panels. Hardwood floors will be used in the living and dining rooms. There will be a central heating system. Each living room will have a large open fire place and tile or brick mantel. Bath rooms will have tile wainscot and composition floors. Exterior of the building will be covered with rustic and cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor. Materials are now being purchased.

GARAGES.

OAKLAND, CAL.—Garage, 1 story, brick and steel, \$5,000. Architect, none. Owner, Joseph L. Pelithomme, E. 14th street and 20th avenue, Oakland. The building has been designed for a small commercial garage and will be erected at the southwest corner of East 14th street and 20th avenue. There will be a cement floor and metal window sash and frames. No interior finish is specified. Exterior of the building will be faced with cement plaster. Plans are complete and in the hands of the owner who will do the work by Day Labor.

OAKLAND, CAL.—Garage alteration, 2 story, brick, \$5,000. Architect, Walter D. Reed, Oakland Bank of Savings, Oakland. Owners, Edoff Co. The building to be altered was formerly used as the City Hall Annex and is located at 1728 Broadway. Alterations will consist of new floors, electric work and special gasoline storage tanks. Plans are being prepared.

SAN FRANCISCO—Garage, 2 story and base, reinforced concrete, \$40,000. Architect, Maxwell Bugbee, Lick Bldg., S. F. Owner, Charles S. Hanlon. The building will be erected on Bush street at the corner of St. George Place, and will be one of the largest commercial garages in the city. Construction will be fireproof throughout with reinforced concrete floors, walls and roof slabs. Interior finish will be of pine. There will be metal window sash and frames. Special gasoline storage tanks will be installed. A part of the building will be designed for a large and completely equipped machine shop. Exterior will be faced with cement plaster. Plans are complete and figures will be called for shortly.

GOVERNMENT WORK & SUPPLIES.

Medford, Ore., Post Office.

The contract for the construction, complete, of the U. S. post office at Medford, Ore., has been awarded to the Sound Construction and Engineering Co., Seattle, Wash., as follows: Using Oregon sandstone for all exterior stonework, except where granite is required, \$95,881, plus alternate 3A (substituting concrete for macadam driveway), \$242; total, \$96,123; 16 months.

San Francisco, Cal., Signal System.

All bids received August 3 by the supervising architect, Treasury Department, Washington, D. C., for an electric signal system in the U. S. subtreasury, San Francisco, Cal., were rejected.

Portland, Ore., Repairs.

The contract for repairs at the U. S. custom house, Portland, Ore., has been awarded to W. C. Arthur & Co. at \$1,360.

Eureka, Cal., Oil-Burnin Plant.

The contract for installing an oil-burning plant for heating boiler in the U. S. post office, Eureka, Cal., was awarded to the Fess System Co., San Francisco, Cal., at \$995.

Clam Shell Dredge.

The Secretary of the Interior has authorized the Reclamation Service to execute contract with the Brown Hoisting Machinery Co., of Cleveland, Ohio, for furnishing a portable clam shell dredge especially adapted for cleaning

out drainage channels on the Minidoka project, Idaho. The contract price is \$8,550, which, with freight charges, will amount to about \$9,017.47.

Reclamation Cement.

Abstract of bids for 145,000 bbls of Portland cement received by the U. S. reclamation service, Denver, Colo.

Item 1, price per bbl net; 2, amount of accompanying check; 3, limit on amount to be furnished (bbls); 4, maximum monthly delivery (bbls).

Ash Grove Lime and Portland Cement Co., Chanute, Kans., item 1, 70c; 2, \$600; 3, 30,000; 4, 7,500.

Atlan Portland Cement Co., Hannibal, Mo., item 1, \$1.01; 2, \$3,000; 3, none; 4, 30,000.

Colorado Portland Cement Co., Portland, Colo., item 1, \$1; 2, \$2,900; 3, none; 4, 30,000.

Dewey Portland Cement Co., Dewey, Okla., item 1, 68c; 2, \$1,000; 3, 50,000; 4, 15,000.

Fredonia Portland Cement Co., Fredonia, Kans., item 1, 70c; 2, \$1,000; 3, 50,000; 4, 10,000.

Henry Cowell Lime and Portland Cement Co., Bay Point, Cal., item 1, \$1.40; 2, \$2,900; 3, none; 4, 50,000.

International Portland Cement Co., Irvin, Wash., item 1, \$1.18; 2, \$1,000; 3, 50,000; 4, 10,000.

Iola Portland Cement Co., Iola, Kans., item 1, \$1; 2, \$2,000; 3, none; 4, 50,000.

Lehigh Portland Cement Co., Mason City, Iowa, or Metairie Falls, Wash., item 1, \$1; 2, \$3,000; 3, none; 4, 10,000.

Ogden Portland Cement Co., Bakers, Utah, item 1, \$1.20; 2, \$480; 3, 24,000; 4, 5,000.

Pacific Portland Cement Co., Tolenas, Cal., item 1, \$1.40; 2, \$3,000; 3, none; 4, 30,000.

Portland Cement Co. of Utah, Salt Lake, Utah, item 1, \$1.35; 2, \$1,000; 3, none; 4, 6,000.

Southwestern Portland Cement Co., El Paso, Texas, item 1, \$1.40; 2, \$3,000; 3, none; 4, 30,000.

Standard Portland Cement Corporation, Napa Junction, Cal., item 1, \$1.40; 2, \$2,900; 3, none; 4, 15,000.

Three Forks Portland Cement Co., Trident, Mont., item 1, \$1.20; 2, \$1,200; 3, none; 4, 20,000.

Union Portland Cement Co., Devils Slide, Utah, item 1, \$1.10; 2, \$1,000; 3, none; 4, 15,000.

United States Portland Cement Co., Concrete, Colo., item 1, \$1; 2, \$200; 3, 10,000; 4, none.

Universal Portland Cement Co., South Chicago, Ill., or Buffington, Ind., item 1, \$1.06 (sacks) and \$1.04 (bulk); 2, \$2,900; 3, none; 4, \$50,000.

Denver, Colo., Miscellaneous Work.

The following bids were received by the supervising architect, Treasury Department, Washington, D. C., for miscellaneous work in connection with roofs of the U. S. post office and court house building, Denver, Colo.:

Lewis Van Dorp, Topeka, Kans., \$7,040; time July 15.

Norman Ker Co., New York City, \$13,161; time June 1.

Fort Huachuca, Ariz., Building.

The following bids were opened by the constructing quartermaster, Fort Huachuca, Ariz., for the construction of various buildings:

Bid L. Stanley Bevan, El Paso, Tex.

2. Mayfield & Shaw, Fort Bliss, Tex.

3. Los Angeles Planning Mill Co., Los Angeles, Cal.

4. Thomas O'Neil, Denver, Colo.

5. W. W. Atkinson, Los Angeles, Cal.

6. Rochelt & Kearney Co., Los Angeles, Cal.

7. John Barnes, Leavenworth, Kans.

8. J. T. Dalton & Son, Junction City, Kans.

9. Arizona Engineering & Construction Co., Mesa, Ariz.

10. Kelly & Baehl, Leavenworth, Kans.

11. J. M. Sparks, Douglas, Ariz.

12. Charles Monroe, Phoenix, Ariz.

13. Charles H. Odum, Phoenix, Ariz.

14. Ed. O. Hamilton, Omaha, Neb.

15. V. E. Ware, El Paso, Tex.

16. Albrecht-Anderson Construction Co., Phoenix, Ariz.

17. Ziegler Bros., Junction City, Kans.

18. W. D. Lovell, Minneapolis, Minn.

19. Pringle, Dunn & Co., San Francisco, Cal.

20. Phoenix-El Paso Building Co., El Paso, Tex.

21. W. Kier Construction Co., San Diego, Cal.

22. W. O. Morrison, Denver, Colo.

23. R. W. Roller, San Francisco, Cal.

24. W. H. Jones, Phoenix, Ariz.

25. Winget Construction Co., Los Angeles, Cal.

Item 1—Entire Job.

Asbestos roof—Bid 1, \$247,634.89; 2, \$193,027.77; 3, \$218,000; 4, \$207,000; 5, \$207,245; 6, \$197,250; 7, \$197,900; 8, \$156,206; 9, \$253,000; 10, \$221,807; 11, \$214,436; 12, \$194,385; 13, \$213,670; 14, \$215,835; 15, \$194,784; 16, \$222,333; 17, \$240,800; 18, \$193,429.

Wood shingles—Bid 1, \$241,948.04; 2, \$189,919.87; 3, \$213,777; 4, \$205,350; 5, \$303,665; 6, \$194,397; 7, \$196,000; 8, \$153,261; 9, \$249,500; 10, \$219,840; 11, \$212,436; 12, \$191,934; 13, \$211,286 or \$149,075; 14, \$213,810; 15, \$192,864; 16, \$220,287; 17, \$235,200; 18, \$188,235.

Plumbing—Bid 1, \$35,536; 2, \$31,151; 3, \$33,300; 4, \$38,848; 5, for plumbing and heating, \$34,575; 6, \$37,196; 7, \$38,897; 8, \$38,000; 9, \$36,500; 10, \$37,344; 11, \$39,545; 12, \$31,767.26; 13, \$37,349.18; 14, \$34,327; 15, \$38,730; 16, \$33,879; 17, \$38,650; 18, \$35,208.

Heating—Bid 1, \$1,520; 2, \$1,376; 3, \$1,500; 4, \$1,369; 5, plumbing and heating, \$34,575; 6, \$2,228; 7, \$1,758.70; 8, \$1,750; 9, \$1,750; 10, \$1,445; 11, \$1,940; 12, \$1,984.41; 13, \$1,445; 14, \$1,600; 15, \$1,350; 16, \$1,707; 17, \$2,045; 18, \$1,420.

Wiring and fixtures—Bid 1, \$7,290; 2, \$6,815.15; 3, \$6,200; 4, \$9,409; 5, \$6,700; 6, \$8,332; 7, \$7,617.70; 8, \$7,700; 9, \$7,100; 10, \$6,797; 11, \$7,835; 12, \$8,613; 13, \$6,764.13; 14, \$6,880; 15, \$9,340; 16, \$8,453; 17, \$9,302; 18, \$6,158.

Item 2—Five Captains' Quarters.

Construction—Bid 1, \$60,784.45; 2, \$45,563.75; 3, \$48,855; 4, \$48,200; 5, \$47,150; 6, \$52,515; 7, \$41,830; 8, \$46,070; 9, \$44,954; 10, \$36,567; 11, \$46,838.50; 12, \$48,155; 13, \$51,620; 14, \$78,295; 15, \$41,845; 16, \$57,500; 17, \$46,833; 18, \$45,870; 19, \$43,765; 20, \$44,940; 21, \$45,270; 22, \$52,200; 23, \$45,886.

Plumbing—Bid 1, \$6,500; 2, \$6,560; 3, \$7,800; 4, \$7,393; 5, \$6,000; 6, \$5,940; 7, \$5,985; 8, \$7,603; 9, \$7,500; 10, \$7,700; 11, \$7,500; 12, \$7,750; 13, \$6,410; 14, \$8,000; 15, \$6,174.80; 16, \$5,000; 17, \$7,743; 18, \$6,412.50; 19, \$6,530; 20, \$7,700; 21, \$4,850; 22, \$7,000; 23, \$6,412.

Wiring and fixtures—Bid 1, \$2,375; 2, \$2,295.50; 3, \$1,922; 4, \$3,171; 5, \$2,000; 6, \$1,600; 7, \$2,315; 8, \$2,935; 9, \$2,756;

10, \$2,750; 11, \$2,500; 12, \$2,500; 13, \$2,245; 14, \$2,350; 15, \$3,010; 16, \$2,000; 17, \$2,887; 18, \$2,245.55; 19, \$2,115; 20, \$3,200; 21, \$2,840; 22, \$3,000; 23, \$2,800; 24, \$2,800; 25, \$2,800.

Item 3—Bachelor Officers' Quarters.

Construction—Bid 1, \$21,882.23; 2, \$16,422.70; 3, \$17,633; 4, \$18,400; 5, \$18,060; 6, \$15,339; 7, \$15,811; 8, \$16,740; 9, \$13,327; 10, \$20,960; 11, \$19,873; 12, \$18,600; 13, \$16,084; 14, \$16,000; 15, \$15,883; 16, \$16,341; 17, \$17,975; 18, \$17,990; 19, \$17,914; 20, \$20,000; 21, \$15,000.

Plumbing—Bid 1, \$4,000; 2, \$2,694; 3, \$3,500; 4, \$2,892; 5, \$3,390; 6, \$2,819; 7, \$3,400; 8, \$3,517; 9, \$3,400; 10, \$3,300; 11, \$2,939; 12, \$3,600; 13, \$3,212; 14, \$2,800; 15, \$3,097; 16, \$2,939.85; 17, \$3,393; 18, \$2,750; 19, \$2,320; 20, \$2,800; 21, \$3,300.

Wiring and fixtures—Bid 1, \$1,400; 2, \$1,315; 3, \$1,292; 4, \$1,495; 5, \$1,390; 6, \$2,315; 7, \$1,402; 8, \$1,155; 9, \$1,160; 10, \$590; 11, \$1,347; 12, \$1,200; 13, \$1,295; 14, \$1,400; 15, \$1,210; 16, \$1,314.99; 17, \$1,420; 18, \$1,500; 19, \$1,523; 20, \$1,280; 21, \$1,292.

Item 4—Five Barracks.

Asbestos roof—Bid 1, \$9,270; 2, \$73,464.15; 3, \$32,140; 4, \$72,450; 5, \$74,925; 6, \$63,365; 7, \$67,640; 8, \$74,114; 9, \$58,970; 10, \$75,625; 11, \$80,000; 12, \$74,125; 13, \$67,070; 14, \$75,000; 15, \$79,334; 16, \$74,680; 17, \$78,475; 18, \$2,68,475; 19, \$75,155; 20, \$93,000; 21, \$68,893.

Wood shingles—Bid 1, \$89,500; 2, \$70,964.75; 3, \$79,990; 4, \$71,200; 5, \$72,115; 6, \$61,745; 7, \$65,485; 8, \$73,214; 9, \$56,645; 10, \$72,855; 11, \$78,465; 12, \$73,125; 13, \$65,185; 14, \$72,500; 15, \$77,214; 16, \$72,830; 17, \$76,875; 18, \$2,66,975; 19, \$73,435; 20, \$90,000; 21, \$64,593.

Plumbing—Bid 1, \$12,500; 2, \$11,290; 3, \$13,560; 4, \$15,609; 5, with heating, \$13,585; 6, \$12,875; 7, \$13,358; 8, \$2,100; 9, \$14,500; 10, \$13,500; 11, \$14,890; 12, \$15,000; 13, \$12,117.90; 14, \$14,000; 15, \$14,500; 16, \$14,891.95; 17, \$13,080; 18, \$15,200; 19, \$13,390; 20, \$14,440; 21, \$13,580.

Heating—Bid 1, \$1,000; 2, \$870; 3, \$1,150; 4, \$912; 5, see plumbing; 6, \$1,300; 7, \$1,565; 8, \$1,050; 9, \$1,075; 10, \$1,075; 11, \$955; 12, \$1,200; 13, \$1,185.75; 14, \$1,000; 15, \$1,000; 16, \$955; 17, \$1,000; 18, \$900; 19, \$950; 20, \$1,000; 21, \$1,100; 22, \$900; 23, \$950; 24, \$1,000; 25, \$1,100.

Wiring and fixtures—Bid 1, \$2,800; 2, \$1,538.50; 3, \$2,388; 4, \$3,756; 5, \$2,640; 6, \$2,460; 7, \$3,000; 8, \$2,887; 9, \$3,000; 10, \$2,250; 11, \$2,540; 12, \$2,950; 13, \$3,095; 14, \$3,500; 15, \$3,000; 16, \$2,538.45; 17, \$2,676; 18, \$3,650; 19, \$3,235; 20, \$4,000; 21, \$2,320.

Item 5—Single Lavatory.

Asbestos roof—Bid 1, \$2,566.26; 2, \$2,410.70; 3, \$2,626; 4, \$2,280; 5, \$2,235; 6, \$1,976; 7, \$2,120; 8, \$2,128; 9, \$1,781; 10, \$3,406; 11, \$2,895; 12, \$5,881; 13, \$2,668; 14, \$3,200; 15, \$2,633; 16, \$2,353; 17, \$2,200; 18, \$2,100; 19, \$2,481; 20, \$4,900; 21, \$2,224.

Wood shingles—Bid 1, \$2,350.26; 2, \$2,268.95; 3, \$2,410; 4, \$2,180; 5, \$2,055; 6, \$1,854; 7, \$2,000; 8, \$2,040; 9, \$1,651; 10, \$3,206; 11, \$2,793; 12, \$5,781; 13, \$2,508; 14, \$3,000; 15, \$2,473; 16, \$2,237; 17, \$2,100; 18, \$2,000; 19, \$2,236; 20, \$4,700; 21, \$2,030.

Plumbing—Bid 1, \$2,500; 2, \$2,186; 3, \$2,500; 4, \$2,777; 5, with heating, \$2,395; 6, \$2,363; 7, \$2,451; 8, \$2,572; 9, \$2,550; 10, \$2,400; 11, \$2,805; 12, \$2,600; 13, \$2,064; 14, \$2,000; 15, \$2,600; 16, \$2,805.20; 17, \$2,295; 18, \$2,800; 19, \$3,090; 20, \$2,370; 21, \$2,500.

Heating—Bid 1, \$180; 2, \$169; 3, \$260; 4, \$187; 5, see plumbing; 6, \$260; 7, \$260; 8, \$260; 9, \$260; 10, \$260; 11, \$260; 12, \$260; 13, \$260; 14, \$260; 15, \$260; 16, \$260; 17, \$260; 18, \$260; 19, \$260; 20, \$260; 21, \$260.

\$329; 9, \$289; 11, \$270; 14, \$290; 15, \$170; 16, \$300; 17, \$272.34; 18, \$150; 19, \$200; 20, \$170; 21, \$250; 22, \$200; 23, \$279; 24, \$180; 25, \$200.

Wiring and fixtures—Bid 1, \$90; 2, \$78.70; 3, \$76; 4, \$116; 5, \$75; 7, \$86; 8, \$164; 9, \$132; 11, \$76; 14, \$120; 15, \$79; 16, \$135; 17, \$172; 18, \$100; 19, \$140; 20, \$78.70; 21, \$83; 22, \$120; 23, \$156; 24, \$120; 25, \$76.

Item 6—Seven Stables.

Construction—Bid 1, \$42,014.76; 2, \$30,559.62; 3, \$43,148; 4, \$37,300; 5, \$35,510; 7, \$34,000; 8, \$41,600; 9, \$40,593; 10, \$42,068; 11, \$25,576.25; 12, \$37,639; 13, \$40,068; 14, \$41,174; 15, \$38,969; 16, \$41,300; 17, \$39,788; 18, \$48,900; 20, \$48,580; 21, \$43,840; 22, \$36,309; 23, \$56,209; 24, \$35,000; 25, \$27,626.

Plumbing—Bid 1, \$385; 2, \$105; 3, \$75; 4, \$69; 5, \$105; 7, \$84; 8, \$105; 9, \$75; 10, \$105; 11, \$80; 12, \$87.50; 13, \$75; 14, \$84; 15, \$140; 16, \$70; 18, \$70; 20, \$140.14; 21, \$105; 22, \$100; 23, \$70; 25, \$100.

Item 7—Hay Shed.

Construction—Bid 1, \$4,903.54; 2, \$4,361.85; 3, \$5,041; 4, \$5,300; 5, \$4,800; 7, \$4,608; 8, \$4,594; 9, \$3,970; 10, \$4,776; 11, \$3,428.50; 12, \$4,432.50; 14, \$5,291; 15, \$4,352; 16, \$5,200; 17, \$5,091; 18, \$5,000; 19, \$5,530; 20, \$4,915; 21, \$4,353; 22, \$4,530; 23, \$5,350; 24, \$5,000; 25, \$4,937.

Item 8—Building 19.

Asbestos roof—Bid 1, \$12,976.59; 2, \$10,839.45; 3, \$12,990; 4, \$11,400; 5, \$9,880; 7, \$8,884; 8, \$10,217; 9, \$20,500; 11, \$8,877; 14, \$11,085; 15, \$11,810; 6, \$12,414; 17, \$10,230; 20, \$10,356; 21, \$11,950; 22, \$10,550; 23, \$9,900; 24, \$16,300; 25, \$1,470.

Wood shingles—Bid 1, \$12,376.59; 2, \$10,373.30; 3, \$12,318; 4, \$11,100; 5, \$9,290; 7, \$8,544; 8, \$9,692; 9, \$20,000; 11, \$8,387; 14, \$10,506; 15, \$11,490; 16, \$12,114; 17, \$9,824; 20, \$9,938; 21, \$11,625; 22, \$10,230; 23, \$9,220; 24, \$15,700; 25, \$14,000.

Plumbing—Bid 1, \$3,000; 2, \$2,279; 3, \$2,800; 4, \$3,112; 5, \$2,680; 7, \$2,568; 8, \$2,808; 9, \$2,887; 11, \$2,905; 14, \$2,640; 15, \$3,068; 16, \$2,900; 17, \$2,466.36; 20, \$3,068.25; 21, \$2,681; 22, \$2,900; 23, \$2,890; 24, \$5,240; 25, \$2,731.

Wiring and fixtures—Bid 1, \$450; 2, \$427.90; 3, \$382; 4, \$622; 5, \$430; 7, \$400; 8, \$540; 9, \$498; 11, \$500; 14, \$435; 15, \$428; 16, \$500; 17, \$561; 20, \$427.90; 21, \$420; 22, \$600; 23, \$542; 24, \$507; 25, \$382.

Item 9—Building 58.

Construction—Bid 1, \$3,477.81; 2, \$2,370.60; 3, \$2,964; 4, \$3,800; 5, \$2,790; 7, \$2,427; 8, \$2,413; 9, \$2,695.15; 11, \$2,050; 14, \$2,808; 15, \$3,220; 16, \$3,200; 17, \$3,396; 20, \$2,825; 21, \$3,657; 22, \$2,800; 23, \$3,185; 24, \$3,400; 25, \$3,000.

Plumbing—Bid 1, \$650; 2, \$685; 3, \$675; 4, \$727; 5, \$696; 7, \$678; 8, \$796; 9, \$813; 11, \$775; 15, \$660; 15, \$786; 16, \$825; 17, \$752; 20, \$786.87; 21, \$700; 22, \$700; 23, \$620; 24, \$600; 25, \$750.

Item 10—Guard House.

Work, complete—Bid 1, \$4,616.37; 2, \$4,628.25; 3, \$4,294; 4, \$5,400; 5, \$8,895; 7, \$5,978; 8, \$5,669; 9, \$5,237.50; 11, \$4,000; 14, \$3,147; 15, \$5,931; 16, \$5,900; 17, \$5,975; 20, \$5,302; 21, \$9,445; 22, \$4,990; 23, \$5,488; 24, \$5,400; 25, \$9,256.

Add for openings—Bid 1, \$50; 2, \$10; 3, \$75; 4, \$100; 5, \$25; 7, \$35; 8, \$50; 9, \$50; 11, \$25; 14, \$20; 15, \$46; 16, \$20; 17, \$35; 20, \$100; 21, \$25; 22, \$125; 23, \$57; 24, \$20; 25, \$10.

Deduct for cage—Bid 1, \$1,250; 2, \$1,475; 3, \$1,750; 4, \$1,500; 5, \$5,681; 7, \$2,700; 8, \$2,400; 9, \$2,000; 11, \$1,660;

15, \$2,010; 16, \$1,800; 17, \$2,400; 20, \$1,550; 21, \$6,820; 22, \$1,390; 23, \$2,500; 24, \$2,400; 25, \$6,346.

Plumbing—Bid 1, \$1,200; 2, \$1,169; 3, \$1,400; 4, \$1,671; 5, \$1,175; 7, \$1,093; 8, \$1,379; 9, \$1,417; 11, \$1,350; 14, \$1,300; 15, \$1,199; 16, \$1,450; 17, \$1,120.50; 20, \$1,199.43; 21, \$1,183; 22, \$1,580; 23, \$979; 24, \$1,200; 25, \$1,100.

Item 11—Lavatory, 60.

Construction—Bid 1, \$2,042; 2, \$2,406; 3, \$2,076; 4, \$2,500; 5, \$2,000; 7, \$1,443; 8, \$2,116; 9, \$1,670.30; 11, \$1,628; 14, \$2,044; 15, \$3,127; 16, \$2,471; 17, \$2,238; 20, \$2,448; 21, \$2,200; 22, \$2,100; 23, \$1,300; 24, \$7,000; 25, \$1,840.

Plumbing—Bid 1, \$4,800; 2, \$4,183; 3, \$4,850; 4, \$5,391; 5, with heating, \$4,555; 7, \$4,480; 8, \$5,074; 9, \$5,040; 11, \$480; 14, \$4,900; 15, \$5,107; 16, \$5,106; 17, \$3,858.82; 20, \$5,106.99; 21, \$4,350; 22, \$5,000; 23, \$5,670; 24, \$5,000; 25, \$4,700.

Heating—Bid 1, \$340; 2, \$337; 3, \$400; 4, \$298; 5, see plumbing; 7, \$410; 8, \$324; 9, \$420; 11, \$400; 14, \$380; 15, \$320; 16, \$440; 17, \$526.32; 20, \$320; 21, \$350; 22, \$250; 23, \$478; 24, \$350; 25, \$120.

Wiring and fixtures—Bid 1, \$175; 2, \$158; 3, \$166; 4, \$247; 5, \$165; 7, \$178; 8, \$291; 9, \$190; 11, \$190; 14, \$160; 15, \$158; 16, \$200; 17, \$281; 20, \$158.54; 21, \$166; 22, \$270; 23, \$167; 24, \$225; 25, \$166.

Make of plumbing fixtures—Bid 2, Crane; 3, Douglas; 4, Federal-Huber; 5, Crane; 6, Crane; 7, Federal-Huber; 8, Douglas; 9, Douglas; 11, Douglas; 12, Douglas; 14, Douglas; 15, Crane; 16, Crane; 17, Crane; 18, Crane; 19, Crane or Douglas; 20, Crane; 21, Crane; 22, Wolff, Crane, Clow, Federal-Huber, Sanitary Mfg. Co.; 23, Mark Lally; 24, Crane; 25, Crane.

HOSPITALS.

SAN FRANCISCO—Special surgical ward, 2 story and base, reinforced concrete, \$9,406. Engineer, Constructing Quartermaster, Fort Mason. Owners, United States Government. Bids opened for this work show Lester H. Stock, 12 Geary street, S. F., low at \$9,406. No award has been made. A complete list of these figures will be found under the heading of San Francisco in this issue.

SAN FRANCISCO — Nurses' dormitory, 2 story and base, reinforced concrete, \$14,625. Engineer, Constructing Quartermaster, Fort Mason. Owners, United States Government. Stanley-Johnson Co. submitted the lowest figure for this work at \$14,625. No award has been made. A complete list of these figures will be found under the heading of San Francisco in this issue.

BERKELEY, ALAMEDA CO., CAL.—Hospital refrigerating work. Cost not stated. Architect, State Architect George B. McDougall, Sacramento. Owners, State of California. Bids opened for furnishing and installing a refrigerating system in the Berkeley Institute for the Deaf and Blind show the United Iron Works, Oakland, low at \$2,086. They will probably be awarded the contract. A complete list of the figures received will be found under the heading of Oakland and Alameda County in this issue.

RICHMOND, CONTRA COSTA CO., CAL.—Hospital, 1 story, frame. Cost not stated. Architect, none. Owner, Standard Oil Co., S. F. Reports from

Richmond state that the Standard Oil Company will erect a first aid hospital at their plant. Work will commence immediately on the structure and will be completed in about three months. The site selected for the building is on the lawn front of the present building. Special hospital equipment will be installed.

FRESNO, FRESNO CO., CAL.—Hospital and garage, 1 story and base, brick, \$5,000. Engineer, Cronkite, Fresno. Owners, City of Fresno. The building will be erected in the rear of the City Hall and has been designed for an emergency hospital and garage. The hospital will contain four rooms and the office. Interior finish will be of pine and redwood. Special hospital plumbing will be used. Exterior of the building will be faced with stock brick. Plans are being prepared.

HOTELS.

SAN FRANCISCO—Hotel, 5 story and base, reinforced concrete and steel, \$35,000. Architects, Rhodes & Marish, 3372 16th street, S. F. Owner, C. F. Hornung. The building is now under construction on the west side of Valencia street south of 16th, the steel frame being up and a contract for the concrete walls and floors let to Rasmussen & Maillard. Other parts of the work will be done by Day Labor. The building will contain a total of 58 guest rooms and 8 baths on the upper floors. The ground floor will contain a large restaurant and office. Ladies' parlors and lobby are located on a mezzanine floor. Interior finish will be of pine and elm. There will be steam heat, elevator service, a vacuum cleaning system and hot water supply. Exterior of the building will be faced with cement plaster and Colusa sandstone.

Contracts Awarded.

SAN FRANCISCO—Hotel completion, 7 stories and base, steel and brick, \$60,000. Architect, Norman R. Coulter, 46 Kearny street, S. F. Owner, Joseph Kowalsky. Contractor, W. D. Henderson, Monadnock Bldg. Contract price \$60,000.

LIBRARIES.

LOS ANGELES, CAL.—Library, 1 story and base, brick and steel, \$35,000. Architects, Kysor & Biggar, Wright and Callender Bldg., L. A. Owners, City of Los Angeles. The building will be erected at the corner of Central avenue and 54th street, covering an area of 48 by 100 feet. The design is in the classic style. There will be two main reading rooms, stack room, office for the attendants and a lecture hall in the basement. Interior will be finished in pine and hardwood with maple floors. Metal book stacks are specified. Plans provide for modern plumbing and a plenum system of heating. Exterior of the building will be faced with ruffled brick trimmed with artificial stone. Plans are complete and figures are being taken. Bids will be opened on February 2nd. Separate figures are being taken for the general contract, heating and ventilating, plumbing and electric work.

PANAMA-PACIFIC EXPOSITION WORK.

SAN FRANCISCO—Exposition Co. Notice. The Buildings and Grounds Committee of the Panama-Pacific International Exposition Co. has sent out formal notice, a copy of which appears under the heading of Sealed Proposals in this issue, stating that due to the short time now remaining before the official opening of the Exposition that the committee will discontinue the practice of advertising work to be done on the grounds. In the future a twenty-four hour notice will be posted on the Bulletin Board at the Service Building, Exposition Grounds.

Contracts Awarded.

SAN FRANCISCO—Photo display booth, frame construction, \$5,500. Architect, none. Owners, Cardinell-Vincent Co., 579 Market street, S. F. Contractor, L. A. Hinson, 180 Jessie street, S. F. Contract price, \$5,500.

RAILROAD CONSTRUCTION AND EQUIPMENT.

SAN FRANCISCO—Sub-power station, 1 story and base, reinforced concrete. Cost not stated. Architect, Chief Draughtsman W. B. Farlow, Holbrook Bldg., S. F. Owners, United Railroads Co. The building will be erected on the west side of Eighth avenue 175 feet south of Geary, and has been designed to house the company's sub-power plant in the Richmond District. Construction will be fireproof. Interior finish will be of pine. Metal window sash and frames will be installed. Exterior of the building will be faced with cement plaster. Plans are now being prepared and will shortly be out for figures.

CASTELLA, SHASTA CO., CAL.—Railroad construction. Cost not stated. Engineer, none. Owners, Burns Lumber Co., Castella. The Burns Lumber Company, which has a narrow gauge railroad extending into the woods nearly to the Trinity County line, has decided to broad gauge the entire line, which, with branches, is about thirty miles in length.

RESIDENCES.

SAN FRANCISCO—Residence, 2 story and base, frame, \$20,000. Architect, Willis Polk, Hobart Bldg., S. F. Owner, Joseph O. Tobin. The dwelling will be erected at 1969 California street and will cover an area of 35 by 75 feet. The dwelling sets back in beautiful grounds and when complete will be among the handsomest of San Francisco's new residences. There will be fourteen rooms, several baths and sleeping porches. Interior finish will be of pine and hardwood with white enamel in the bed rooms. Hardwood floors will be used throughout. Plans provide for steam heat and a hot water supply, vacuum cleaning and dumb waiters. Bath rooms will be finished in tile and equipped with showers. There will be several open fire places and tile or brick mantels. Exterior of the house will be covered with cement plaster on metal lath. Plans are complete and figures are being taken.

SAN FRANCISCO—Residence, 2 story and base, frame, \$2,000. Architect, none. Owner, J. C. Kirby, 2122A Mar-

ket street, S. F. The dwelling will be erected on the west side of 12th avenue north of Anza street and has been designed to contain six rooms and bath. Interior will be finished in pine and redwood with some elm panels. Hardwood floors will be used in the living and dining rooms. There will be open fire places and tile or brick mantels. Bath room will have tile wainscot. An automatic water heater will be installed. Exterior of the house will be covered with rustic and cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor. Materials are now being purchased.

BERKELEY, ALAMEDA CO., CAL.—Bungalow, 1 story and ase, frame, \$2,500. Architects, Elite Planners, 1844 5th avenue, Oakland. Owner, E. A. Janssen, Hearst Bldg., S. F. The dwelling will be erected in Northbrae and has been designed for a five-room house with bath and sleeping porch. Interior will be finished in pine and redwood. Hardwood floors will be used in the living and dining rooms. There will be an open fire place and tile or brick mantel. Bath room will have tile wainscot. An automatic water heater will be installed. Exterior of the house will be covered with cement plaster on metal lath. Plans are complete and the work will be done by Day Labor.

SAN FRANCISCO—Residence, 2 story and base, frame, \$2,800. Architect, none. Owner, Wilhelmina Bahrs, 635 17th avenue, S. F. The dwelling will be erected on the east side of 17th avenue north of Balboa street, and has been designed for a six-room house with bath and sleeping porch. Interior finish will be of pine and redwood with some elm panels. Hardwood floors will be used in the principal rooms. There will be open fire places and tile or brick mantels. Bath room will be finished in tile. An automatic water heater will be installed. Exterior of the house will be covered with rustic and cement plaster on metal lath. Plans are complete and the work will be done by Day Labor. Materials are now being purchased.

OAKLAND, CAL.—Residence, 2 story and base, frame, \$8,000. Architect, Charles W. McCall, Central Bank Bldg., Oakland. Owner's name withheld. The dwelling will be erected in Crocker Highlands and has been designed to contain eight rooms, two baths and sleeping porches. Interior will be finished in pine and hardwoods. White enamel will be used in the bed rooms. Hardwood floors will be used throughout. Plans provide for furnace heat and open fire places. Mantels will be of tile or brick. Bath rooms will have tile floors and wainscot. An automatic water heater will be installed. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are now being prepared.

OAKLAND, CAL.—Residence alterations. Cost not stated. Architect, Sidney B. Newsom, Nevada Bank Bldg., S. F. Owner, E. J. Grindley. This work will consist of the construction of a large addition in the rear, two new sleeping porches and some minor exterior alterations. Interior will be finished in pine and some new hardwood floors laid. Plumbing and electric work are also included in the work. Plans are being prepared.

REDWOOD CITY, SAN MATEO CO., CAL.—Residence alterations, frame. Cost not stated. Architect, Houghton Sawyer, Shreve Bldg., S. F. Owner, Mr. Heller. This work will be done at the country home of Mr. Heller and will include concrete work, carpentry, plumbing, electric work, painting and plastering. Plans are complete and figures are being taken.

COLMA, SAN MATEO CO., CAL.—Parish house, 2 story and base, frame, \$10,000. Architect, John J. Foley, 46 Kearny street, S. F. Owner, Rev. Father M. Clifford. The house will be erected on property adjoining the church and has been designed to contain fourteen rooms, three baths and a large hall. Interior finish will be of pine and redwood. Hardwood floors will be used in the living room, study and dining room. Plans provide for steam heat and open fire places. Mantels will be of tile and brick. Bath rooms will be finished in tile. A hot water circulating system will also be installed. Exterior of the dwelling will be covered with shiplap and cement plaster on metal lath. Plans are now being prepared.

SAN FRANCISCO—Residence, 2 story and base, frame, \$3,000. Architect, none. Owners, C. J. and W. J. Keenan, Hayes and Central avenue, S. F. The dwelling will be erected on the north side of California street east of 20th avenue. The dwelling will contain six rooms and bath. Interior finish will be of pine and redwood with some elm panels. Hardwood floors will be used in the living and dining rooms. There will be open fire places and tile or brick mantels. Bath room will have tile wainscot and composition floor. An automatic water heater will be installed. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are complete and in the hands of the owners who will do the work by Day Labor.

SAN JOSE, SANTA CLARA CO., CAL.—Bungalow, 1½ story and base, frame, \$2,500. Architect, none. Owner, S. G. Pelton, 445 South 3rd street, San Jose. The dwelling has been designed for a six-room house with bath and sleeping porch and will be erected on South 8th street near Martha. Interior finish will be of pine and redwood. Some hardwood floors will be used. There will be a large open fire place in the living room with a brick mantel. Bath room will have tile wainscot. Exterior of the house will be covered with rustic and cement plaster on metal lath. Plans are complete and the work will be done by Day Labor.

SAN JOSE, SANTA CLARA CO., CAL.—Bungalow, 1½ story and base, frame, \$2,000. Architect, none. Owner, Frank Peres, 680 South Ninth street, San Jose. The dwelling has been designed for a six-room house with bath. Interior finish will be of pine and redwood. Hardwood floors will be used in the living and dining rooms. There will be an open fire place and tile or brick mantel. Tile wainscot will be used in the bath room and kitchen. Exterior of the house will be covered with cement plaster on metal lath. Plans are complete and the work will be done by Day Labor.

Contracts Awarded.

OAKLAND, CAL.—Residence, 2 story, attic and base, frame, \$20,000. Architect, Sidney B. Newsom, Nevada Bank

Bldg., S. F. Owners. Mr. and Mrs. H. W. Harrold, Contractor, Alfred Peterson, 1201 19th street, Oakland. Contract price, \$20,000.

SAN FRANCISCO—Residence, 2 story and base, frame, \$7,500. Architects, Falch & Knoll, Hearst Bldg., S. F. Owner, Martin Raggett, Contractors, Higginson Co., Humboldt Bank Bldg., general construction, \$5,982; Wetzel Co., plumbing, \$540; and P. Johnson, painting, \$465.

SCHOOLS.

SAN FRANCISCO—School completion, 4 story. Class A construction, \$85,000. Architect, City Department of Architecture, Temporary City Hall, S. F. Owners, City and County of San Francisco. Plans for the general completion of the Academic Building of the Polytechnic High School group have been completed and are now out for figures. This work will include practically all of the carpentry work and cabinet work, floors, sash and door work and special fixtures. Bids will be opened by the Board of Public Works on February 10th. Plans and specifications can be secured from the City Department of Architecture. An official proposal appears in another column of this issue.

BERKELEY, ALAMEDA CO., CAL.—College class rooms and auditorium, 4 story and base, Class A construction, \$800,000. Architect, John Galen Howard, 604 Mission street, S. F. Owners, Regents of the University of California. Working drawings have been started for the big class room and auditorium building which is to be erected on the University of California Campus at Berkeley. The building is the first of several large structures to be erected out of the proceeds of the recent bond election. Preliminary studies show a four-story structure of steel and granite which will cost about \$800,000. The auditorium will have a seating capacity of 1500 people while the class rooms will accommodate 3500 students. The new building will replace the Old North Hall.

LOS ANGELES, CAL.—School, 2 story and base, Class C construction, \$100,000. Architect, Charles H. Russell, Story Bldg., L. A. Owners, City of Los Angeles. The building will be erected at the corner of Ivy and 14th streets, and will cover a large ground area. Plans will be arranged for a total of 36 class rooms, but the first unit to be erected will contain but 20 rooms. The completed building will cost \$175,000. The building has been designed in the shape of the letter U. Interior finish will be of pine with maple floors in the class rooms. Plans provide for steam heat, modern school plumbing, vacuum cleaning and program clocks. Exterior will be faced with pressed brick. Plans are now being prepared.

LOS ANGELES, CAL.—School, 2 story and base, brick, \$75,000. Architects, Morgan, Walls & Morgan, Van Nuys Bldg., L. A. Owners, City of Los Angeles. The building will be erected on East Seventh street near Mateo street and has been designed to contain sixteen class rooms and a large auditorium. Interior will be finished in pine with maple floors in the class rooms. Plans provide for steam heat, modern school plumbing, a vacuum cleaning system and program clocks. Exterior

will be faced with pressed brick trimmed with terra cotta. Plans are now being prepared.

REDONDO BEACH, LOS ANGELES CO., CAL.—Schools, 1 and 2 story and base, fireproof construction, \$135,000. Architect, A. Burnside Sturges, Story Bldg., L. A. Owners, Redondo Beach City High School District. The architect has just been commissioned to prepare these plans and details of the construction, size of the building and general description cannot be given at this time. Further mention will be made of the work.

LOS ANGELES, CAL.—School, 1 story and base, hollow tile construction, \$50,000. Architect, Robert M. Taylor, Marsh-Strong Bldg., L. A. Owners, Cienega School District. The building will be erected at the corner of 17th and Coleta streets, covering an area of 150 by 171 feet. Interior has been arranged for eight class rooms, auditorium, library, departments of manual training and domestic science. Interior finish will be of pine with maple floors in the class rooms. Plans provide for steam heat, a vacuum cleaning system, program clocks and modern school plumbing. Exterior of the building will be faced with cement plaster. Plans are complete and out for figures. Bids will be opened on February 6th. Plans and specifications can be secured from the architect.

RIVERSIDE, RIVERSIDE CO., CAL.—Experimental station, brick and concrete, \$200,000. Architect, Lester H. Hibbard, Marsh-Strong Bldg., L. A. Owners, Regents of the University of California. The sum of \$200,000 was appropriated by the State legislature for the building and site. About \$125,000 will be expended upon the buildings. Only preliminary plans have been prepared.

LOS ANGELES, CAL.—School and chapel and parish house, 2 story and base, frame. Cost not stated. Architect, Edward J. Borgmeyer, Stimson Bldg., L. A. Owners, Roman Catholic Church, Father Ford, pastor, L. A. The building will be erected on Manhattan Place between 2nd and 3rd streets. The school will contain six class rooms and a chapel seating 400 people. Interior of the school and chapel will be finished in pine throughout. The parish house will be finished in pine and hardwoods with hardwood floors. There will be furnace heat and open fire places. Bath rooms will have tile wainscot and composition floors. Exterior of both buildings will be covered with cement plaster on metal lath. Plans are being prepared and figures will be called for shortly.

OAKLAND, CAL.—School, 2 and 3 story and base, reinforced concrete. Cost not stated. Architect, J. J. Donovan, Security Bank Bldg., Oakland. Owners, City of Oakland. Bids opened on Tuesday, January 19th for the construction of the new Clawson School show the Clinton Fireproofing Co., S. F., low at \$141,350. All bids were referred to the legal department for advisement. A complete list of the bids received will be found under the heading of Oakland and Alameda County in this issue.

DIXON, SOLANO CO., CAL.—School, 2 story and base, brick and concrete. Cost not stated. Architect, Henry C. Smith, Humboldt Bank Bldg., S. F. Owners, Dixon Union High School District. All bids received for the con-

struction of this building have been rejected and new figures will be called for shortly.

RIO VISTA, SOLANO CO., CAL.—School, 2 story and base, brick and concrete. Cost not stated. Architect, Henry C. Smith, Humboldt Bank Bldg., S. F. Owners, Rio Vista Joint Union High School District. Figures received some time ago for this work have been rejected. Boyd, Kerr & McLean were low on the work and were officially awarded the contract, but have withdrawn at the request of the trustees. New figures are now being taken and will be opened on February 5th at 3 p. m.

SEATTLE, WASH.—School, 1 story and base, reinforced concrete, \$47,000. Architect, W. W. Hastings, Commerce Bldg., Seattle. Owners, City of Seattle. The building will contain eight class rooms, a large assembly hall and teachers' rooms. The interior will be finished in pine with maple floors in the class rooms. A central heating system, probably steam heat, will be installed. Plans provide for modern school plumbing and ventilating. Exterior of the building will be faced with cement plaster. Plans are now being prepared and further mention will be made of the work when plans are ready for figures.

Contracts Awarded.

COMPTON, LOS ANGELES CO., CAL.—School, 1 story and base, hollow tile construction, \$24,966. Architects, Tuttle & Angel, Delta Bldg., L. A. Owners, Compton Union High School District. Contractors, Lepper & Laisy, Builders' Exchange, L. A. Contract price, \$24,966.

SEWERS, STREET WORK & WATER STORES AND OFFICES.

FRESNO, FRESNO CO., CAL.—Steel pipe. Cost not stated. Engineer, City Engineer, Fresno. Owners, City of Fresno. Bids are now being taken for furnishing the City of Fresno with a considerable amount of lap-welded steel pipe and cast iron fittings. Bids will be opened on January 27th. Full particulars can be secured by addressing the City Clerk or City Engineer.

FRESNO, FRESNO CO., CAL.—Centrifugal pump. Cost not stated. Engineer, City Engineer, Fresno. Owners, City of Fresno. Bids will be opened on January 27th for furnishing and installing one four-inch centrifugal pump with motor. Plans and specifications can be secured from the City Engineer.

VALLEJO, SOLANO CO., CAL.—Change of grades. Cost not stated. Engineer, City Engineer, Vallejo. Owners, City of Vallejo. A resolution of intention for the change of grades of the following streets on which City Engineer Thompson has been working has been submitted to the City Council and will be adopted shortly: Alabama, from Sacramento to Napa road; Tennessee, from Sacramento to El Dorado; Indiana, from Sacramento to Napa road; Illinois, from Sacramento to Napa street; Marin from Alabama to Illinois; Sonoma, from Alabama to Illinois; Sutter, from Carolina to Arkansas; Napa, from Capitol to Illinois; El Dorado, from Capitol to Tennessee; Franciscan, from Virginia to Tennessee; Santa Clara, from Carolina to Tennessee; Florida, from Trinity to Santa Clara.

HUNTINGTON BEACH, ORANGE CO., CAL.—Street paving. Cost not stated. Engineer, City Engineer, Huntington Beach. Owners, Town of Huntington Beach. Preparations are now under way to pave Main street and Seventeenth street to the city limits, a total of three and one-half miles. The City Engineer will be directed to make the necessary preparations to have the work done.

SEATTLE, WASH. Street paving and lighting, \$235,000. Engineer, City Engineer, A. H. Dimock, Seattle. Owners, City of Seattle. Plans have been completed by City Engineer Dimock for the paving and installation of cluster lights on 10th avenue et al, at a cost of about \$235,000, and bids will be called for in the near future. This will be the largest street paving contract let in the last eight months.

SAN FRANCISCO—Street paving, \$19,000. Engineer, City Engineer, Temporary City Hall, S. F. Owners, City and County of San Francisco. Contractor, W. V. McDonald, S. F. Contract price \$19,000. Note: This contract covers the paving on San Bruno avenue from Olmstead to Railroad avenue.

Contracts Awarded.

LINCOLN, PLACER CO., CAL.—Sewer work, \$2,636. Engineer, none. Owners, Town of Lincoln. Contractor, Frank McIntyre, Stockton. Contract price, \$2,636.

STORES AND OFFICES.

Contracts Awarded.

SEATTLE, WASH. Stores and lofts, 2 story and base, brick and frame, \$50,000. Architect, Carl Siebrand, Arcade Bldg., Seattle. Owners, Northern Life Insurance Co. Contractor, Neil MacDonald, Northern Bank Bldg., Seattle. Contract price, \$50,000.

THEATRES.

SAN FRANCISCO—Theatre and offices, 6 story and base. Class A construction, \$400,000. Architect, H. Ryan, Northern Bank Bldg., Seattle. Owner, Marcus Loew. Architect H. Ryan has been selected to design the big new vaudeville theatre which will be erected in San Francisco by Marcus Loew, the New York theatre magnate. Mr. Loew is now in San Francisco with P. Schaefer of Chicago and M. Kohn of New York and will approve the selection of a site for the new theatre in this city at once. Two locations have been under consideration for some time, one being the southeast corner of Market and Fourth streets and the other on the opposite side of Market street further west. From all that can be learned Mr. Loew has decided upon the Fourth and Market site and will close the deal this week. Associated with Architect Ryan of Seattle will be a local architect whose name cannot be given out at this time. Advice from Seattle states that the new building will be a six-story, class A structure, covering an area of 127 by 162 feet. Preliminary plans show twelve stores besides the theatre entrance on the first floor, a total of 96 offices on the upper floors and the theatre with a seating capacity of 3,500 people. Entrance and exits from the balcony and gallery will be by inclined planes. Exterior of the building will be faced with white glazed terra cotta. Mr. Loew expects to expend in the neighborhood of \$400,000 in construction.

SACRAMENTO, CAL.—Theatre, 2 story and base. Class C construction. Cost not stated. Architect, A. W. Cornelius, Merchants' National Bank Bldg., S. F. Owners, Turner & Dahnen Circuit, 942 Market street, S. F. The plans of Turner & Dahnen to erect a \$100,000 theatre building adjoining the Pacific Gas and Electric building on K street have been halted by Building Inspector W. B. Rohl, when he refused to issue a permit for the new structure. Rohl refuses to issue a permit for erection until the plans have been revised, as he states that the building, according to present plans, is a fire-trap. Rohl states that the building must be absolutely fireproof according to the city ordinances. The owners of the proposed building have been notified that their plans will remain at a standstill until the necessary revisions are made on the plans.

SEALED PROPOSALS

PROPOSALS.

OFFICE OF THE BOARD OF PUBLIC WORKS of the City and County of San Francisco.

Sealed proposals will be received at this office between the hours of 2 o'clock p. m. and 3 o'clock p. m., on Wednesday, the 10th day of February, 1915, for doing the following work, to wit:

Furnishing and installing electric elevators, hydraulic lifts, etc., in the City Hall.

Progressive payments will be made. Said work must be done in accordance with the specifications on file in the office of the Board of Public Works, to which reference is hereby made, and must be commenced within five (5) calendar days from the receipt of written notice from the Board of Public Works and completed within one hundred and eighty (180) calendar days thereafter.

The amount of bond for faithful performance of contract has been fixed at \$12,500.00.

All proposals offered must be accompanied by a check certified by a responsible bank, payable to the order of the Clerk of the Supervisors, for an amount not less than ten per cent of the aggregate of the proposal.

Printed proposal forms will be furnished gratuitously upon application at the office of the Architect, and all proposals must be made upon such forms.

The Board of Public Works reserves the right to reject any and all bids.

By order of the Board of Public Works, F. J. CHURCHILL, Secretary.

PROPOSALS.

OFFICE OF THE BOARD OF PUBLIC WORKS of the City and County of San Francisco.

Sealed proposals will be received at this office between the hours of 2 o'clock p. m. and 3 o'clock p. m., on Wednesday, the 10th day of February, 1915, for doing the following work to wit:

General construction of the Academic building of the Polytechnic High School located on block bounded by Arguello Boulevard, Frederick, Carl and Wilford streets.

Progressive payments will be made. Said work must be done in accordance with the specifications on file in the office of the Board of Public Works, to which reference is hereby made, and must be commenced within five (5) calendar days from the receipt of written notice from the Board of Public Works and completed within one hundred and twenty (120) calendar days thereafter.

The amount of bond for faithful performance of contract has been fixed at \$21,500.00.

All proposals offered must be accompanied by a check certified by a responsible bank, payable to the order of the Clerk of the Supervisors, for an amount not less than ten per cent of the aggregate of the proposal.

Printed proposal forms will be furnished gratuitously upon application at the office of the Architect, and all proposals must be made upon such forms.

The Board of Public Works reserves the right to reject any and all bids.

By order of the Board of Public Works, F. J. CHURCHILL, Secretary.

NOTICE TO CONTRACTORS.

PANAMA-PACIFIC INTERNATIONAL EXPOSITION.

Due to the short time that now intervenes until the Opening Day of the Exposition, the Buildings and Grounds Committee will discontinue the practice of advertising for bids on construction work.

In the future, a notice, attached to the plans and specifications on which bids are desired, will be posted on the Bulletin Board located on the first floor of the Service Building near the entrance. Bids for all work posted on this Board will be taken and the contracts awarded within twenty-four hours.

By order of the Buildings and Grounds Committee.

WILLIAM H. CROCKER, Chairman. (*)

PROPOSALS FOR BUILDING.

BUILDING, ETC.—Treasury Department, Office of the Supervising Architect, Washington, D. C.—Sealed proposals will be opened in this office at 3 p. m. February 27, 1915, for the construction, complete (including mechanical equipment, lighting fixtures and approaches), of a two-story and basement stone or brick-faced building of 6,500 square feet ground area, fireproof construction and composition roof for the United States post office at Miles City, Mont. Drawings and specifications may be obtained from the custodian at Miles City, Mont., or at this office, in the discretion of the supervising architect. Drawings and specifications will be ready for delivery after January 15, 1915. O. WENDEROTH, supervising architect.

PROPOSALS FOR EXCAVATING AND CONCRETE WORK.

EXCAVATION AND CONCRETE WORK.—Department of the Interior, U. S. Reclamation Service, Washington, D. C.—Sealed proposals will be received at the office of the U. S. Reclamation Service at Provo, Utah, until 2 o'clock p. m. February 3, 1915, for construction involving 158,000 yards of excavation, 7,000 yards of concrete and other items. The work is located near Payson City, Utah, near the San Pedro, Los Angeles and Salt Lake Railroad and the Tintic Branch of the Denver and Rio Grande Railroad. For particulars address United States Reclamation Service, Provo, Utah, or Washington, D. C. A. P. DAVIS, director and chief engineer.

PROPOSALS FOR CANAL SUPPLIES.

PANAMA CIRCULAR 893.—Proposals for Three 1,000-Yard Steel Dump Scows.—Sealed proposals will be received at the office of the general purchasing officer, the Panama Canal, Washington, D. C., until 10:30 a. m. February 10, 1915, at which time they will be opened in public, for furnishing the above mentioned articles. Blanks and general information relating to this circular (No. 893) may be obtained from this office or the office of the assistant purchasing agent, 1086 North Point street, San Francisco, Cal.; also from the U. S. engineer offices in the following cities: Seattle, Wash.; Los Angeles, Cal. F. C. ROGGS, major, corps of engineers, U. S. army, general purchasing officer.

PROPOSALS FOR CANAL SUPPLIES.

PANAMA CIRCULAR 891—Proposals for Material for the Pumping Plant of Dry Dock No. 1, Balboa Terminals.—Sealed proposals will be received at the office of the general purchasing officer, the Panama Canal, Washington, D. C., until **10:30 a. m. February 24, 1915**, at which time they will be opened in public for furnishing the above mentioned articles. Blanks and general information relating to this circular (No. 891) may be obtained from this office or the office of the assistant purchasing agent, 1086 North Point street, San Francisco, Cal.; also from the engineer offices in the following cities: Seattle, Wash.; Los Angeles, Cal. F. C. BOGGS, major, corps of engineers, U. S. Army, general purchasing officer.

PROPOSALS FOR CANAL SUPPLIES.

PANAMA CIRCULAR 892—Proposals for Valves and Accessories for Dry Dock No. 1, Balboa Terminals.—Sealed proposals will be received at the office of the general purchasing officer, the Panama Canal, Washington, D. C., until **11:30 a. m. February 24, 1915**, at which time they will be opened in public, for furnishing the above mentioned articles. Blanks and general information relating to this circular (No. 892) may be obtained from this office or the office of the assistant purchasing agent, 1086 North Point street, San Francisco, Cal.; also from the U. S. engineer offices in the following cities: Seattle, Wash.; Los Angeles, Cal. F. C. BOGGS, major, corps of engineers, U. S. Army, general purchasing officer.

NOTICE TO CONTRACTORS.

SEALED proposals will be received at the office of the California Highway Commission, 515 Forum Building, Sacramento, Cal., until **2 o'clock p. m., on February 1, 1915**, at which time they will be publicly opened and read, for construction in accordance with the specifications therefor, to which special reference is made, portions of State Highway as follows:

Butte County from Nelson to Chico (III-But-3-C), about 12.6 miles in length, to be built of Portland cement concrete.

Highway Engineer's Estimate.

Item 1, 40,000 cubic yards excavation without classification; 2, 264 lineal feet 12-inch corrugated iron pipe; 3, 198 lineal feet 18-inch corrugated iron pipe; 4, 72 lineal feet 24-inch corrugated iron pipe; 5, 220 cubic yards Class "B" Portland cement concrete (culverts and monuments); 6, 15,950 cubic yards Class "B" Portland cement concrete (pavements); 7, 2,300 lineal feet guard rail; 8, 121 each, hauling and setting monuments.

The Commission will furnish, as more explicitly set forth in the specifications, the following materials, viz: Pipe railing for culverts, reinforcing steel, corrugated iron pipe, Portland cement, sand and coarse aggregate.

The foregoing quantities are approximate only, being given as a basis for the comparison of bids, and the Department of Engineering does not expressly or by implication agree that the actual amount of work will correspond therewith, but reserves the right to increase or decrease the amount of any class or portion of the work, as may be deemed necessary or expedient by the said Commission.

All bids are to be compared on the basis of the Highway Engineer's estimate of the quantities of work to be done.

Plans may be seen, and forms of proposal, bonds, contract, and specifications may be obtained at the said office and they may be seen at the offices of the Division Engineers at Los Angeles and San Francisco, and at the office of the Division Engineer of the division in which the work is situated. The Division Engineers' offices are located at Willits, Dunsmuir, Sacramento, San Francisco, San Luis Obispo, Fresno, and Los Angeles.

No bid will be received unless it is made on a blank form furnished by the Commission. The special attention of prospective bidders is called to the "Notice to Contractors" annexed to the blank form of proposal, for full

directions as to bidding, quantities of work to be done, etc.

The Department of Engineering reserves the right to reject any or all bids or to accept the bid deemed for the best interests of the State.

CHARLES D. BLANEY,
NEWELL D. DARLINGTON,
CHARLES F. STERN,
California Highway Commission.
AUSTIN R. FLETCHER,
Highway Engineer.
WILSON R. ELLIS, Secretary.

PROPOSALS FOR STEEL TOWERS.

STEEL TOWERS—Sealed proposals, indorsed "Proposals for Steel Towers," will be received at the bureau of yards and docks, Navy Department, Washington, D. C., and at the U. S. naval station, Cavite, P. I., until **11 o'clock a. m. February 27, 1915**, and then there publicly opened for the construction and erection of three 600-foot steel towers at each of the following naval stations: San Diego, Cal.; Pearl Harbor, Hawaii, and Cavite, P. I. Plans and specifications may be obtained on application to the bureau or at the naval stations named upon deposit of \$25 as security for their return. H. R. STANFORD, chief of bureau.

NOTICE INVITING BIDS.

NOTICE is hereby given that sealed bids will be received by the Clerk of the Board of Supervisors of San Joaquin County, California, at the office of said Board, in the City of Stockton, until **10 o'clock a. m. of Thursday, January 28, 1915**, for furnishing steel furniture and fixtures for the office of the Auditor of San Joaquin County according to plans and specifications prepared by the M. G. West Company and adopted by said Board, December 28, 1914, and to which bidders are particularly referred.

All bids must be presented in sealed envelopes marked to designate the work bid for.

All proposals must be accompanied by United States currency or certified check made payable to the Chairman of the said Board of Supervisors in the sum of 10 per cent of the amount of the bid and a bond of 50 per cent of the contract price will be required of the successful bidder.

The Board reserves the right to reject any or all bids.

By order of said Board made January 4, 1915.

EUGENE D. GRAHAM,
Clerk.
By S. A. CARTER,
Deputy Clerk.

STATE OF CALIFORNIA.

DEPARTMENT OF ENGINEERING.

CALIFORNIA HIGHWAY COMMISSION

NOTICE TO CONTRACTORS.

SEALED PROPOSALS will be received at the office of the California Highway Commission, 515 Forum Building, Sacramento, Cal., until **2 o'clock P. M. on February 1, 1915**, at which time they will be publicly opened and read, for construction in accordance with the specifications therefor, to which special reference is made, portions of State Highway as follows:

Butte County from Nelson to Chico (III-But-3-C), about 12.6 miles in length, to be built of Portland cement concrete.

Plans may be seen, and forms of proposal, bonds, contract, and specifications may be obtained at the said office, and they may be seen at the offices of the Division Engineers at Los Angeles and San Francisco, and at the office of the Division Engineer of the division in which the work is situated. The Division Engineers' offices are located at Willits, Dunsmuir, Sacramento, San Francisco, San Luis Obispo, Fresno, and Los Angeles.

No bid will be received unless it is made on a blank form furnished by the Commission. The special attention of prospective bidders is called to the "Notice to Contractors" annexed to the blank form of proposal, for full directions as to bidding, quantities of work to be done, etc.

The Department of Engineering reserves the right to reject any or all

bids or to accept the bid deemed for the best interests of the State.

CHARLES D. BLANEY,
NEWELL D. DARLINGTON,
CHARLES F. STERN,
California Highway Commission.
AUSTIN R. FLETCHER,
Highway Engineer.
WILSON R. ELLIS, Secretary.
Dated: December 22, 1914. (*)

NOTICE TO CONTRACTORS.

SEALED BIDS will be received by W. F. McClure, State Engineer, Capitol Building, Sacramento, California, **up to and including 12 o'clock, noon, Monday, February 1, 1915**, said bids then and there to be publicly opened and read for furnishing all plant, materials, and labor, and doing the work required to complete the Mason Work, Structural Steel and Iron, Carpenter Work, Metal Furring, Lathing and Plastering, Sheet Metal and Roofing, Painting and Staining, Glass and Glazing, Ornamental Iron Work, Marble and Tile Work, and Electric Wiring of buildings to be known as "Main Building" and "Gymnasium and Boiler House," Fresno State Normal School, Fresno, California, in accordance with the plans and specifications therefor, copies of which may be obtained on application to the State Department of Engineering, Sacramento, California.

Such bids will be received for the Entire Work, and must be submitted on forms prepared and furnished by the State Department of Engineering. Cash, a bidder's bond, or a certified check in the sum of ten per centum (10%) of the amount of the bid must accompany each bid.

A deposit of Twenty-five (\$25.00) Dollars will be required on plans and specifications; the deposit to be returned immediately on the return of the plans and specifications to the State Department of Engineering, at Sacramento, California, in good condition.

The State Department of Engineering reserves the right to reject any and all bids and to waive any informality in any bid received.

All bids must be addressed to W. F. McClure, State Engineer, Sacramento, California, and plainly marked on the envelope: "Proposals for 'Main Building' and 'Gymnasium and Boiler House,' Fresno State Normal School, Fresno, California."

[SIGNED] W. F. McCLURE,
State Engineer. (*)

NOTICE TO CONTRACTORS.

SEALED BIDS will be received by W. F. McClure, State Engineer, Capitol Building, Sacramento, California, **up to and including 12 o'clock, noon, Monday, February 1, 1915**, said bids then and there to be publicly opened and read for furnishing all plant, materials, and labor, and doing the work required to complete the Plumbing, Sewers and Gas Fitting, Vacuum Cleaning system, Steam Heating and Fitting and Indirect Heating and Ventilating System of buildings to be known as "Main Building" and "Gymnasium and Boiler House," Fresno State Normal School, Fresno, California, in accordance with the plans and specifications therefor, copies of which may be obtained on application to the State Department of Engineering, Sacramento, California.

Such bids will be received for the Entire Work, and must be submitted on forms prepared and furnished by the State Department of Engineering.

Cash, a bidder's bond, or a certified check in the sum of ten per centum (10%) of the amount of the bid must accompany each bid.

A deposit of Fifteen (\$15.00) Dollars will be required on plans and specifications, the deposit to be returned immediately on the return of the plans and specifications to the State Department of Engineering, at Sacramento, California, in good condition.

The State Department of Engineering reserves the right to reject any and all bids and to waive any informality in any bid received.

All bids must be addressed to W. F. McClure, State Engineer, Sacramento, California, and plainly marked on the envelope: "Proposal for Plumbing, etc., for 'Main Building' and 'Gymnasium and Boiler House,' Fresno Normal School, Fresno, California."

[SIGNED] W. F. McCLURE,
State Engineer. (*)

ADVANCE NEWS

Classified according to Location

SAN FRANCISCO.

RESIDENCE—3 story and base, frame, \$20,000. San Francisco. Architect, Willis Polk, Hobart Bldg., S. F. Owner, Joseph O. Tobin. The dwelling will be erected at 1969 California street and will cover an area of 35 by 75 feet. The dwelling sets well back in beautiful grounds and when complete will be among the handsomest of San Francisco's new residences. There will be fourteen rooms, several baths and sleeping porches. Interior finish will be of pine and hardwood with white enamel in the bed rooms. Hardwood floors will be used throughout. Plans provide for steam heat and a hot water supply, vacuum cleaning and dumb waiters. Bath rooms will be finished in tile and equipped with showers. There will be several open fire places and tile or brick mantels. Exterior of the house will be covered with cement plaster on metal lath. Plans are complete and figures are being taken.

RESIDENCE—2 story and base frame, \$2,000. San Francisco. Architect, none. Owner, J. C. Kirby, 2152A Market street, S. F. The dwelling will be erected on the west side of 12th avenue north of Anza street and has been designed to contain six rooms and bath. Interior will be finished in pine and redwood with some elm panels. Hardwood floors will be used in the living and dining rooms. There will be open fire places and tile or brick mantels. Bath room will have tile wainscot. An automatic water heater will be installed. Exterior of the house will be covered with rustic and cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor. Materials are now being purchased.

RESIDENCE—2 story and base, frame, \$2,800. San Francisco. Architect, none. Owner, Wilhelmina Bahrs, 635 17th avenue, S. F. The dwelling will be erected on the east side of 17th avenue north of Balboa street and has been designed for a six-room house with bath and sleeping porch. Interior finish will be of pine and redwood with some elm panels. Hardwood floors will be used in the principal rooms. There will be open fire places and tile or brick mantels. Bath room will be finished in tile. An automatic water heater will be installed. Exterior of the house will be covered with rustic and cement plaster on metal lath. Plans are complete and the work will be done by Day Labor. Materials are now being purchased.

APARTMENT HOUSE—3 story and base. Class C construction, \$45,000. San Francisco. Architect, Frederick H. Meyer, Bankers' Investment Bldg., S. F. Owner, A. Rothberg. The building will be erected on the north side of Post street east of Larkin, having a frontage of 63½ feet by a depth of 127 feet. There will be a total of 21 suites

of two and three rooms. All apartments will have wall beds and private bath rooms. Interiors will be finished in pine and elm. Hardwood floors will be used in the lobby and dining rooms. Bath rooms will have tile wainscot and composition floors. Plans provide for steam heat, an automatic elevator and hot water supply. Marble wainscot will be used in the entrance. Exterior of the building will be faced with pressed brick and terra cotta. Plans are complete and figures are being taken.

APARTMENT HOUSE—3 story and base, frame, \$10,000. San Francisco. Architects, Rhodes & Marisch, 3372 16th street, S. F. Owner, Henry Sipple. The building will be erected at the northeast corner of 19th and Lexington streets, and has been designed to contain nine suites of three rooms and bath. Interior finish will be of pine and elm panels. Some hardwood floors will be used. There will be steam heat and a hot water system. All suites will have wall beds. Bath rooms will be finished in imitation tile with composition floors. Tile wainscot will be used in the entrance. Exterior of the building will be covered with rustic and shiplap. Plans are nearly complete and figures will be called for at once.

APARTMENT HOUSE—3 story and base, frame, \$10,000. San Francisco. Architect, C. O. Clausen, Phelan Bldg., S. F. Owner, Teresa Fett. The building will be erected on the north side of Union street west of Baker, covering an area of 27½ feet by 80 feet. Interior will contain six apartments of two and three rooms. All suites will have wall beds and private bath rooms. Interior finish will be of pine, redwood and elm. Hardwood floors will be used in the living and dining rooms. There will be a hot water supply. Bath rooms will have tile wainscot and composition floor. The basement will be used for a private garage. Exterior of the building will be covered with rustic and cement plaster on metal lath. Plans are complete and figures are being taken.

APARTMENT HOUSE—3 story and base, frame, \$7,500. San Francisco. Architects, Rhodes & Marisch, 3372 16th street, S. F. Owner, Henry Sipple. The building will be erected on 19th street near Lexington and has been designed to contain six apartments of three rooms and three of two rooms. Interiors will be finished in pine and elm panels. There will be a hot water supply, wall beds and private bath rooms. Entrance will have tile wainscot. Exterior of the building will be covered with shiplap and rustic. Plans are being prepared.

FLATS—2 story and base, frame, \$9,000. San Francisco. Architect, E. E. Young, 251 Kearny street, S. F. Owner, Thomas Seoble, 363 14th avenue, S. F. The building will be erected at the northwest corner of Palm and Euclid avenue, covering an area

of 29 by 75½ feet. There will be four modern flats. Interiors will be finished in pine with some elm panels. Hardwood floors will be used in the principal rooms. There will be a central heating system and open fire places. Mantels will be of tile or brick. Bath rooms will be finished in tile with composition floors. Automatic water heaters will be installed. Exterior of the building will be covered with cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor. Materials are now being purchased.

SHED—2 story, frame. Cost not stated. San Francisco. Engineer, Assistant State Engineer, Ferry Bldg., S. F. Owners, State of California. Bids will be opened by the State Board of Harbor Commissioners on January 28th instead of on January 21st for constructing the two-story frame shed for the Wells-Fargo Express Co. on dolphin south of the Ferry Building. Plans and specifications for this work can be secured from the office of the Assistant State Engineer, Ferry Bldg. The building will be 430 by 110 on the first floor and 200 by 110 on the second floor.

FLATS—2 story and base, frame, \$10,900. San Francisco. Architect, W. O. Banks, 2325 Larkin street, S. F. Owner, Lily Leale, 2458 Vallejo street, S. F. The building will be erected on the north side of Green street west of Broderick and will cover an area of 30 by 83½ feet. There will be two modern flats of six rooms each. Interior will be finished in pine, redwood and hardwood. Hardwood floors will be used in the living rooms, dining rooms and reception halls. There will be furnace heat and open fire places. Mantels will be of tile or brick. Bath rooms will have tile wainscot and composition floors. Entrances will be finished in marble and tile. Exterior of the building will be covered with rustic and cement plaster on metal lath. Plans are complete and the work will probably be done by Contractors Seth and George Walker, 110 Jessie street.

FLAT ALTERATION—2 story, frame. Cost not stated. San Francisco. Architect, Albert L. Lapachet, 110 Sutter street, S. F. Owner's name not given. The building to be altered is a large old family residence located on Eddy street near Broderick. Included in the work will be interior finish, plastering, electric work, hardwood floors, some tile work and a little plumbing. Exterior will be covered with cement plaster on metal lath. Plans are complete and figures are being taken.

FLATS—2 story and base, frame, \$3,500. San Francisco. Architect, Arthur Halstrom, 3146 Divisadero street, S. F. Owners, Halstrom & Lacazette, 3146 Divisadero street, S. F. The building will be erected on the south side of Lombard street west of Baker, and has been designed to contain stores on the first floor and a six-room flat on

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the upper floor. Interior finish will be of pine and redwood. Some hardwood floors will be used. There will be an open fire place in the living room. Mantel will be of tile. Tile wainscot will be used in the bath room. Exterior of the building will be covered with rustic and cement plaster on metal lath. Plans are being prepared and when complete the work will be done by Day Labor.

HOTEL—5 story and base, reinforced concrete and steel, \$35,000. San Francisco. Architects, Rhodes & Marish, 3372 16th street, S. F. Owner, C. F. Hornung. The building is now under construction on the west side of Valencia street south of 16th, the steel frame being up and a contract for the concrete walls and floors let to Rasmussen & Maillard. Other parts of the work will be done by Day Labor. The building will contain a total of 58 guest rooms and 8 baths on the upper floors. The ground floor will contain the large restaurant and office. Ladies' parlors and lobby are located on a mezzanine floor. Interior finish will be of pine and elm. There will be steam heat, elevator service, a vacuum cleaning system and hot water supply. Exterior of the building will be faced with cement plaster and Colusa sandstone.

SPECIAL SURGICAL WARD—2 story and base, reinforced concrete, \$9,406. San Francisco. Engineer, Constructing Quartermaster, Fort Mason. Owners, United States Government. Bids opened for this work show Lester H. Stock, 12 Geary street, S. F., low at \$9,406. No award has been made. A complete list of these figures will be found under the heading of San Francisco in this issue.

NURSES' DORMITORY—2 story and base, reinforced concrete, \$14,625. San Francisco. Engineer, Constructing Quartermaster, Fort Mason. Owners, United States Government. Stanley Johnson Co. submitted the lowest figure for this work at \$14,625. No award has been made. A complete list of these figures will be found under the heading of San Francisco in this issue.

CITY HALL ELEVATOR WORK—Cost not stated. San Francisco. Architects, Bakewell & Brown, 251 Kearny street, S. F. Owners, City and County of San Francisco. Plans have been completed and approved for the elevator work, both electric and hydraulic, in the new City Hall. Bids are being taken and will be opened by the Board of Public Works on February 10th. Plans and specifications can be secured from the City Department of Architecture, Temporary City Hall.

FACTORY GROUP—1 and 2 story, reinforced concrete. Cost not stated. San Francisco. Engineer, Engineering Department American Can Co., Mills Bldg., S. F. Owners, American Can Co. Property in the Potrero district has been purchased by the American Can Co. through the Crocker Bank.

This holding is one of the largest in the Potrero district and the purchase price totals several hundred thousand dollars. The company will build one of the largest can factories in the west on their new property. In speaking of the new buildings the general manager of the American Can Co. stated that plans for these buildings would be designed by the company's engineering department. There will be several large structures, all of which will be of reinforced concrete type.

THEATRE AND OFFICES—6 story and base. Class A construction, \$100,000. San Francisco. Architect, H. Ryan, Northern Bank Bldg., Seattle. Owner, Marcus Loew. Architect H. Ryan has been selected to design the big new vaudeville theatre which will be erected in San Francisco by Marcus Loew, the New York theatre magnate. Mr. Loew is now in San Francisco with P. Schaefer of Chicago and M. Kohn of New York and will approve the selection of a site for the new theatre in this city at once. Two locations have been under consideration for some time, one being southeast corner of Market and Fourth streets and the other on the opposite side of Market street further west. From all that can be learned, Mr. Loew has decided upon the Fourth and Market site and will close the deal this week. Associated with Architect Ryan of Seattle will be a local architect whose name can not be given out at this time. Advice from Seattle states that the new building will be a six-story, Class A structure, covering an area of 137 by 162 feet. Preliminary plans show twelve stores besides the theatre entrance on the first floor, a total of 96 offices on the upper floors and the theatre with a seating capacity of 3,500 people. Entrance and exits from the balcony and gallery will be by inclined planes. Exterior of the building will be faced with white glazed terra cotta. Mr. Loew expects to expend in the neighborhood of \$400,000 in construction.

RESIDENCE — 2 story and base, frame, \$3,000. San Francisco. Architect, none. Owners, C. J. and W. J. Keenan, Hayes and Central avenue, S. F. The dwelling will be erected on the north side of California street east of 20th avenue. The dwelling will contain six rooms and bath. Interior finish will be of pine and redwood with some elm panels. Hardwood floors will be used in the living and dining rooms. There will be open fire places and tile or brick mantels. Bath room will have tile wainscot and composition floor. An automatic water heater will be installed. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are complete and in the hands of the owners who will do the work by Day Labor.

SCHOOL COMPLETION — 4 story. Class A construction, \$85,000. San Francisco. Architect, City Department of Architecture, Temporary City Hall, S. F. Owners, City and County of San Francisco. Plans for the general com-

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Management.

Chester W. Kelley

pletion of the Academic Building of the Polytechnic High School group have been completed and are now out for figures. This work will include practically all of the carpentry work and cabinet work, floors, sash and door work and special fixtures. Bids will be opened by the Board of Public Works on February 10th. Plans and specifications can be secured from the City Department of Architecture. An official proposal appears in another column of this issue.

EXPOSITION CO. NOTICE — San Francisco. The building and Grounds Committee of the Panama-Pacific International Exposition Co. has sent out formal notice, a copy of which appears under the heading of Sealed Proposals in this issue, stating that due to the short time now remaining before the official opening of the Exposition that the committee will discontinue the practice of advertising work to be done on the grounds. In the future a twenty-four hour notice will be posted on the Bulletin Board at the Service Building, Exposition Grounds.

APARTMENT HOUSE—5 story and base. Class C construction. Cost not stated. San Francisco. Engineer, Pierre Zucco, 166 Geary street, S. F. Owners, Whittell Estate, 166 Geary street, S. F. The building will be erected on California street near Jones and has been designed to contain four large apartments ranging from eight to nine rooms, each with several baths, private halls and entrances. The entire top floor will be given over to servants' quarters. Interiors will be finished to suit the tenants. Hardwood floors will be used in the principal rooms. Plans provide for steam

heat, elevator service, vacuum cleaning, a hot water supply and dumb waiters. Bath rooms will be finished in tile. Marble and tile wainscot will be used in the lobby and entrance. Exterior of the building will be faced with pressed brick. Plans are complete, but figures will not be taken until spring.

GARAGE—2 story and base, reinforced concrete, \$40,000. San Francisco. Architect, Maxwell Bugbee, Lick Bldg., S. F. Owner, Charles S. Hanlon. The building will be erected on Bush street at the corner of St. George Place and will be one of the largest commercial garages in the city. Construction will be fireproof throughout with reinforced concrete floors, walls and roof slabs. Interior finish will be of pine. There will be metal window sash and frames. Special gasoline storage tanks will be installed. A part of the building will be designed for a large and completely equipped machine shop. Exterior will be faced with cement plaster. Plans are complete and figures will be called for shortly.

SUB-POWER STATION—1 story and base, reinforced concrete. Cost not stated. San Francisco. Architect, Chief Draughtsman W. B. Farlow, Holbrook Bldg., S. F. Owners, United Railroads Co. The building will be erected on the west side of Eighth avenue 175 feet south of Geary, and has been designed to house the company's sub-power plant in the Richmond District. Construction will be fireproof. Interior finish will be of pine. Metal window sash and frames will be installed. Exterior of the building will be faced with cement plaster. Plans are now being prepared and will shortly be out for figures.

Contracts Awarded.

RESIDENCE — 2 story and base, frame, \$7,500. San Francisco. Architects, Falch & Knoll, Hearst Bldg., S. F. Owner, Martin Raggett. Contractors, Higginson Co., Humboldt Bank Bldg., general construction, \$5,982; Wetzel Co., plumbing, \$540, and P. Johnson, painting, \$465.

PHOTO DISPLAY BOOTH — Frame construction, \$5,500. San Francisco. Architect, none. Owners, Cardinell-Vincent Co., 579 Market street, S. F. Contractor, L. A. Hinson, 180 Jessie street, S. F. Contract price, \$5,500.

HOTEL COMPLETION—7 stories and base, steel and brick, \$60,000. San Francisco. Architect, Norman R. Coulter, 46 Kearny street, S. F. Owner, Joseph Kowalsky. Contractor, W. D. Henderson, Monadnock Bldg. Contract price, \$60,000.

STREET PAVING — \$19,000. San Francisco. Engineer, City Engineer, Temporary City Hall, S. F. Owners, City and County of San Francisco. Contractor, W. V. McDonald, S. F. Contract price, \$19,000. Note: This contract covers the paving on San Bruno avenue from Olmstead to Railroad avenue.

WAREHOUSE—2 story and base, reinforced concrete, \$30,000. San Francisco. Architect, George Wagner, S. F. Owners, Sperry Flour Co. Contractors, Clinton Fireproofing Co., Mutual Bank Bldg., S. F. Contract price, \$30,000.

Lettermen Hospital Figures Presented.

Many Local Contractors Interested in
Two New Additions to be Made at
the Letterman General Hospital.

A large number of bidders submitted figures to the Constructing Quartermaster at Fort Mason for constructing two additions to the Letterman General Hospital at the Presidio of San Francisco. Both buildings will be two stories high and of the reinforced concrete type of construction.

Stanley Johnson Co. was low on the Female Nurses' Dormitory at \$14,625 with Frank M. Garden second low at \$14,848. Lester H. Stock presented the low figure for the ward for special surgical cases at \$9,406. Frank M. Garden was second low at \$10,098. No award was made.

Ward For Special Surgical Cases.

Bids for this work were submitted in the following manner: (a) general construction; (b) extra flooring; (c) omit cementing; (d) plumbing; (e) drains; (f) wiring; (g) light fixtures; (h) heating; (i) building complete.

R. Ehrhart (a) \$11,300; (b) \$225; (c) \$300.

Burnham Plumbing Co. (d) \$2,179; (e) \$176; (h) \$645.

M. Fisher (a) \$12,846; (b) \$200; (c) \$400.

W. N. Concannon (b) \$170; (c) \$726; (d) \$2,364; (e) \$95; (f) \$1,325; (g) \$245; (h) \$596; (i) \$19,877.

W. A. Newsom (a) \$10,826; (b) \$250; (c) \$300; (d) \$2,464; (e) \$258; (f) \$1,265; (g) \$176; (h) \$544; (i) \$15,275.

F. J. Klimm (d) \$2,296.
Turner Co. (b) \$275; (c) \$400; (e) \$235; (i) \$15,395.

Stanley Johnson Co. (a) \$10,225; (b) \$350; (c) \$200.

E. A. Mantell (f) \$1,103; (g) \$143.

Lester H. Stock (a) \$9,406; (b) \$385; (c) \$295; (d) \$2,240; (e) \$125; (f) \$200; (g) \$220; (h) \$495; (i) \$12,643.

Frank M. Garden Co. (a) \$10,093; (b) \$135; (c) \$386.

George A. Bos (a) \$10,450; (b) \$258; (c) \$370; (d) \$1,960; (e) \$140; (f) \$1000 (g) \$160; (h) \$500; (i) \$14,070.

Arnold & Rodwick (a) \$10,380; (b) \$343; (c) \$290.

Pringle, Dunn & Co. (a) \$10,545; (b) \$200; (c) \$300.

Female Nurses' Dormitory.

Bids for this work were submitted in the following manner: (a) general construction; (b) omit cementing; (c) plumbing; (d) drains; (e) wiring; (f) light fixtures; (g) heating; (h) building complete.

R. Ehrhart (a) \$17,700; (b) \$520.

Burnham Plumbing Co. (c) \$2,469; (d) \$105; (g) \$977.

M. Fisher (a) \$18,850; (b) \$650.

Robert Trost (a) \$15,357; (b) \$475; (c) \$3,949; (d) \$315; (e) \$617; (f) \$314; (g) \$1,349; (h) \$21,586.

W. N. Concannon Co. (b) \$740; (c) \$3,197; (d) \$75; (e) \$1,163; (f) \$223; (g) \$927; (h) \$28,699.

W. A. Newsom (a) \$16,278; (b) \$410; (c) \$2,450; (d) \$200; (e) \$490; (f) \$308; (g) \$957; (h) \$20,254.

J. Collins (a) \$15,696; (b) \$510; (e) \$620; (f) \$430.

F. J. Klimm (c) \$2,798.

Turner Co. (b) \$495; (d) \$180; (h) \$21,780.

Stanley, Johnson Co. (a) \$14,625; (b) \$250.

E. A. Mantell (e) \$635; (f) \$315.

Lester H. Stock (a) \$15,151; (b) \$625; (c) \$2,770; (d) \$125; (e) \$600; (f) \$270; (g) \$870; (h) \$19,749.

Frank M. Garden & Co. (a) \$14,648; (b) \$487.

George A. Bos (a) \$15,666; (b) \$400; (c) \$2,350; (d) \$170; (e) \$550; (f) \$280; (g) \$900; (h) \$19,746.

F. E. Davis & Son (a) \$17,824; (b) \$325.

W. P. Scott (c) \$2,777; (d) \$125; (g) \$876.

Arnold & Rodwick (a) \$16,699; (b) \$400.

Pringle, Dunn & Co. (a) \$16,945; (b) \$385.

Convention Held At Columbus.

NATIONAL ASSOCIATION OF BUILDERS' EXCHANGES TO OPEN
ANNUAL CONVENTION.

GENERAL CONTRACTORS' ASSOCIATION TO BE REPRESENTED.

The Annual Convention of the National Association of Builders' Exchanges is to be held this year at Columbus, Ohio, and the General Contractors' Association of this city, who are members of that body, are sending Mr. E. T. Thurston, Jr., as its delegate to the Convention.

Mr. Thurston left town last week and will spend two weeks traveling in the East visiting the various larger cities and investigating building conditions. He will return to Columbus in time for the Annual Convention, which is to be held on January 26, 27 and 28.

The main question to come before the Annual Convention of the National Association of Builders' Exchanges this year will be that of a standard form of contract and articles of agreement. The American Institute of Architects at its Annual Convention in December, 1913, adopted what were known as the "63 Articles of Agreement" over the strong objection and protest of the N. A. of B. E. This opposition of the contractors through their National Association became so pronounced after the adoption of the 63 Articles that the American Institute of Architects finally consented to a meeting of their contract forms committee with a similar committee of contractors appointed by the N. A. of B. E. This meeting took place in Philadelphia in September, 1914, and in the meantime the architects took no action in promulgating the objectionable 63 Articles.

The result of the meeting between the two committees is said to have been satisfactory and a form of agreement and contract was agreed upon and referred to the Annual Convention of each body for rejection or ratification.

It is reported that the membership of the National Association of Builders' Exchanges will be increased by 100% at this Annual Convention and this body bids fair to take a leading and active part in suggesting and introducing uniform methods of conducting the building business throughout the country as far as possible.

Such a national body has long been

needed by the building business and the General Contractors' Association of this city in supporting it during the last three years has done so in the hope that the body will continue to grow and increase in influence. A business taking in so many diversified interests as does the building business and a business so universally followed should certainly have a national medium of expressing its wants to the public in general.

It is proposed that one week of the Fair period shall be set aside to be known as "American Builders' Week" and the Annual Convention of the National body is to be asked to set a time when this "Week" shall be held. Mr. James A. Barr, Director of Congresses of the P. P. I. E. has already been in touch with the General Contractors' Association and the Builders' Exchange in reference to this matter and it seems likely that the two bodies may decide to co-operate during "American Builders' Week" in extending the glad hand of fellowship to the contractors who will visit our Fair City during the "Week."

Proposed Amendments To Tenement House Act.

Important Hearing to be Held by Senate Committee at Sacramento on Tuesday, January 26th.

The Senate Committee on Public Health and Quarantine will hold a public hearing on proposed amendments to the State Tenement House Act next Tuesday night, January 26th, at the State Capitol at Sacramento.

The proposed amendments are of great importance and all interested should take notice of the hearing.

Name Architects For Competition.

Many of San Francisco's Best Known Architects Invited to Compete For New Hospital Addition.

The Board of Consulting Architects, John Reid, Jr., John Galen Howard and Frederick H. Meyer, has completed the program for the competition to be held to secure plans for the new southeast addition to the San Francisco Hospital. This building will cost about \$400,000.

A jury of three men, two selected by the Board of Public Works, one of whom will be an architect practicing outside the state and the other a physician or hospital expert. The third member of the jury will be selected by the other two. The award will be made on April 15th.

The following architects have been invited to compete:

Bakewell & Brown, Herman Barth, John Baur, L. B. Dutton, W. C. Hays, August Headman, L. P. Hobart, G. W. Kelham, Kraft & Sons, H. H. Meyers, B. R. Maybeck, L. C. Mullgardt, William Newman, Perso Righetti, Houghton Sawyer, Ward & Blohme and C. P. Weeks.

Building Contracts Awarded.

San Francisco

165	Woolfrey	Woolfrey	1500
166	Cleese	Cleese	2800
167	Green	Green	475
168	Hayes Pk Lndry.	Flaherty	400
169	Green	Green	3000
170	Johnson	Johnson	2500
171	Mission Cons Rlty.	Band	960
172	Bricca	Rosina	1450
173	Westgate	Armistead	933
174	Clinton	Sartorio	1000
175	Same	Linden	11350
176	Edison	Moren	2500
177	Langendorf	Onward	41450
178	Resnick	Resnick	400
179	Vickery	Home Mfg	450
180	Rothchild	Urfer	400
181	Burns	Cunningham	1000
182	Smith	Parkside	400
183	Mahoney	Mahoney	400
184	Buskey	Buskey	700
185	Allen	Allen	6000
186	Heyman	Heyman	1500
187	Bahrs	Bahrs	2600
188	Garibaldi	Garibaldi	400
189	Finkelstein	Wengard	1490
190	Rayhill	Nilson	7375
191	Cal Raisin	Commury	3845
192	Leale	Walker	10960
193	Hornung	Rasmussen	1800
194	Rothberg	Am Conc	2948
195	Willett	Stockholm	2046
196	Del Prete	Francesconi	1035
197	Clinton	Linden	11350
198	Same	Sartorio	1000
199	Shell Co.	Western Pipe	5800
200	Alpha	Elvin	3500
201	Cuneo	Cuneo	1400
202	Peyret	Legarnd	1000
203	Armand	Halstrom	400
204	Wafer	Wafer	806
205	Scoble	Scoble	9000
206	Donaldson	Donaldson	950
207	Lacazette	Halstrom	3000
208	Farrell	Farrell	500
209	Montgomery	Owner	800
210	Compton	Compton	800
211	Kirby	Kirby	3000
212	Prescott	Campbell	18000
213	Robinson	Wilson	400
214	San Francisco	McClenahan	10800
215	Young	Sinnott	3250
216	Czerney	New Era	2160
217	Emanuel Ch	Koenig	5475
218	Western Un	Strehlow	5490
219	Langendorf	Central Iron	5800
220	Huber	Leonard	845

FRAME DWELLING

(165) W NIAGARA 89 N Mission. One story and basement frame dwelling. Owner.....Roberts & Woolfrey 557 Dolores, San Francisco. Architect...None. Day's work. COST, \$1500

FRAME DWELLING

(166) E TWENTY-FOURTH AVE 175 S Anza. Two-story and basement frame dwelling. Owner.....Geo. F. and Lucy Cleese, 524 27th Ave., S. F. Architect...None. Contractor...George F. Cleese, 524 27th Ave., San Francisco. COST, \$2800

ROOF SIGN

(167) SE THIRD AND TOWNSEND. Illuminating roof sign. Owner.....J. Chas. Green Co., 273 Valencia, San Francisco. Architect...None. Day's work. COST, \$475

ALTERATIONS

(168) NO. 17 CAYUGA. Raise and alter dwelling. Owner.....Hayes Park Laundry, Prem Architect...None. Contractor..W. W. Flaherty, 126 Hillcrest Drive, Daly City. COST, \$400

ROOF SIGN

(169) SE FOURTH AND MARKET. Erect roof sign.

Owner.....J. Chas. Green Co., 273 Valencia, San Francisco. Architect...None. Day's work. COST, \$3000

FRAME DWELLING

(170) E TWENTY-FIRST AVE 100 S Geary. Two-story and basement frame dwelling. Owner.....Johnson & Johnson, 818 19th, San Francisco. Architect...None. Day's work. COST, \$2500

WATER PIPES, ETC.

(171) N SEVENTEENTH 130 E Howard N 150x6 50-6; E Howard 150 N 17th E 180-6 N 200 W 98-6 S 37-6 W 82 S 162-6; E Howard 170 S 16th E 180-6xN 70; SE 16th and Howard E 127-6xS 100; SW 16th and Shotwell W 127-6xS 100; NW 16th and Howard N 150xW 95; SW Howard and 16th W 175-6 S 90 E 75-6 N 2-6 E 100 N 87-6; NW 16th and Shotwell W 120x N 110. All work for furnishing and setting water pipes and conduits in streets and pumping plant. Owner.....Mission Consolidated Realty Company. Architect...J. R. Miller, Lick Bldg., San Francisco. Contractor..S. W. Band, 318 Ellis, San Francisco. Filed Jan. 18, '15. Dated Jan. 15, '15. As work progresses monthly payments of 75% Usual 35 days. 25% TOTAL COST, \$960 Bond, \$960. Surety, U. S. Fidelity & Guaranty Co. Limit, as fast as required. Forfeit, none. Plans and specifications filed.

EXHIBIT BOOTH

(172) EXPOSITION SITE. All work except painting for booth in Palace of Food Products. Owner.....Paganini & Bricca Co. Architect...Louis Mastropasqua, 580 Washington, S. F. Contractor..C. Rosina. Filed Jan. 18, '15. Dated Jan. 5, '15. Plaster work and mill work in place \$500 Completed and accepted. 550 Usual 35 days. 400 TOTAL COST, \$1450 Bond, none. Limit, Feb. 15, 1915. Forfeit, none. Plans and specifications filed.

SIDEWALKS

(173) ST. FRANCIS WOOD on Monterey Boulevard between St. Francis Wood and Balboa Terrace; also on E side of Junipero Serra Blvd; also on extension of Portola Drive, bet. Westside and Junipero Serra Blvd and tracks of U. R. R. at Sloat Blvd; also on Lots 8 and 9 Blk 11, St. Francis Wood. Concrete and brick sidewalks.

Owner.....Westgate Park Company. Engineer...Geo. B. Sturgeon. Contractor..Armistead & Co. Filed Jan. 18, '15. Dated Jan. 14, '15. Monthly payments of 75% 36 days after 25% TOTAL COST, \$933.40 Bond, \$500. Surety, A. J. Myers. Limit, 60 days. Forfeit, \$10. Plans and specifications filed.

CONCRETE WORK, ETC.

(174) SW CALIFORNIA & STOCKTON S 68-9xW 117-6. Concrete work,

cribbing, excavating of trenches, steel bars and reinforcing same for three-story and basement frame apartment building.

Owner.....Delmar Smith Clinton.
Architect...Rousseau & Rousseau,
Monadnock Bldg., S. F.

Contractor...C. Sartorio, 3126-A La-

Filed Jan. 18, '15. Dated Jan. 18, '15.
On 1st of each month..... 75%
On completion 25%
TOTAL COST, \$1000

Bond, none. Limit, as soon as possible. Forfeit, none. Plans and specifications filed.

(175) LUMBER, MILL, CARPENTER, rough, hardware, etc., on above.

Contractor...Wm. Linden, 110 Jessie, San Francisco.

Filed Jan. 18, '15. Dated Jan. 18, '15.
2nd story joists up.....\$1753.12
Roof on 1753.12
Ready for lathing..... 1753.13
Standing trim on..... 1753.13
Completed and accepted..... 1500.00
Usual 35 days..... 2837.50
TOTAL COST, \$11,350.00

Bond, none. Limit, 100 days. Forfeit, none. Plans and specifications filed.

ALTERATIONS

(176) W POWELL, bet. Eddy & Ellis. All work except electric work for alterations and additions to lobby, etc., of theatre.

Owner.....Edison Moving Picture Co
Architect...Milton Lichtenstein, 111 Ellis, San Francisco.

Contractor...Geo. G. Moren, 125 Falcon Ave., San Francisco.

Filed Jan. 18, '15. Dated Jan. 18, '15.
Ready for plaster.....\$625
White coated and ornamental
moulds set 625
Completed and accepted..... 625
Usual 35 days..... 625
TOTAL COST, \$2500

Bond, \$1250. Surety, Globe Indemnity Co. Limit, March 1, 1915. Forfeit, none. Plans and specifications filed.

BRICK & STEEL BAKERY

(177) N McALLISTER 144-6 E Fillmore E 55-6 N 137-6 E 19-6 N 137-6 W 27 S 137-6 W 48 S 137-6 W A 303. All work for two-story brick and steel bakery.

Owner.....Bernard Langendorf, 878 McAllister, S. F.

Architect...David C. Coleman, Merchants' National Bank Bldg., San Francisco.

Contractor...Onward Investment Co.

Filed Jan. 18, '15. Dated Jan. 14, '15.
Brick walls up to 2nd floor..\$7771.25
Roof boards on..... 7771.25
Inside walls brown coated.. 7771.25
Completed and accepted..... 7771.25
30 days after.....10356.00
TOTAL COST, \$41,450.00

Bond, none. Limit, 90 days. Forfeit, \$25. Plans and specifications filed.

ALTERATIONS

(178) NO. 902 SILVER. Alter laundry

Owner.....H. Resnick, Premises.
Architect...M. Resnick, Premises.

Day's work. COST, \$400

ALTERATIONS

(179) NO. 550 SUTTER. Alter work shop.

Owner.....Vickery, Atkin & Torrey, Premises.

Architect...None.

Contractor...Home Mfg. Co., 543 Broadway, San Francisco.

COST, \$1000

ALTERATIONS

(180) NO. 241 GEARY. Alter front

Owner.....J. M. Rotchild, Mills Bldg., San Francisco.

Architect...None.

Day's work. COST, \$400

NEW FRONT

(181) NO. 560 DIVISADERO. New front.

Owner.....Patrick Burns Estate, 556 Divisadero, San Francisco.

Architect...None.

Contractor...C. W. Cunningham, 222 Grove, San Francisco.

COST, \$1000

FRAME GARAGE

(182) NO. 69 PARKER AVE. One-story frame garage.

Owner.....M. Smith, Premises.

Architect...None.

Contractor...Parkside Home Bldg. Co., 408 Crocker Bldg., S. F.

COST, \$400

ALTERATIONS

(183) W ELEVENTH 70 SE Folsom. Alter and add to junk shop.

Owner.....Miss Agnes Mahoney.

Architect...Ernest Essmann, 3805 24th San Francisco.

Day's work. COST, \$400

FRAME DWELLING

(184) E SARATOGA 75 N Woolsey. One-story and basement frame dwlg.

Owner.....M. Buskey, 15 Saratoga, San Francisco.

Architect...None.

Day's work. COST, \$700

FRAME RESIDENCE

(185) W EIGHTH AVE 175½ N Moraga. Two-story and basement frame residence.

Owner.....L. D. and H. B. Allen, 128 Sutter, San Francisco.

Architect...Dolliver & Swain, Royal Insurance Bldg., S. F.

Day's work. COST, \$6000

FRAME DWELLING

(186) NE LIEBIG 300 SE San Jose. One-story and basement frame dwlg.

Owner.....Oscar Heyman & Bro., Inc 742 Market, San Francisco.

Architect...None.

Day's work. COST, \$1500

FRAME DWELLING

(187) E SEVENTEENTH AVE 50 N Balboa. Two-story and basement frame dwelling.

Owner.....Wilhelmia Bahrs, 635 17th Ave., San Francisco.

Architect...None.

Contractor...W. Bahrs, 635 17th Ave., San Francisco.

COST, \$2600

ALTERATIONS

(188) S CHESTNUT 197-3 W Van Ness Ave. Raise store building.

Owner.....D. Garibaldi, 1331 Chestnut, San Francisco.

Architect...None.

Day's work. COST, \$400

FRAME STORES

(189) S LOMBARD 220-6 W Baker. All work for one-story frame building (stores).

Owner.....Dora Finkelstein and Sam Kantrow, 1134 Scott, S. F.

Architect...Milton Lichtenstein, 111 Ellis, San Francisco.

Contractor...C. Wengard, 1286 48th Ave. San Francisco.

Filed Jan. 19, '15. Dated Jan. 18, '15.

Frame up and sheathed.....\$315

Brown coated 400

Completed and accepted..... 400

Usual 35 days..... 375

TOTAL COST, \$1490

Bond, \$750. Surety, Fidelity & Deposit Co. of Maryland. Limit, Feb. 13, 1915. Forfeit, \$5. Plans and specifications filed.

ALTERATIONS

(190) NO. 627 HAIGHT. Alterations and additions of stable building into garage.

Owner.....Wm. Rayhill, 627 Haight, San Francisco.

Architect...Philipp Schwerdt, 726 Clement, San Francisco.

Contractor...Nilson & Arras.

Filed Jan. 20, '15. Dated Jan. 19, '15.

Foundation done and steel work erected\$2500

Main floor completed 1500

Completed and accepted..... 1525

Usual 35 days..... 1850

TOTAL COST, \$7375

Bond, \$3700. Sureties, Edw. Mooney and Philip O'Donnell. Limit, 90 days.

Forfeit, none. Plans and specifications filed.

EXHIBIT BOOTH

(191) EXPOSITION SITE. All work for exhibit booth in Palace of Horticulture.

Owner.....California Associated Raisin Company.

Architect...None.

Contractor...Commury-Peterson Co., Inc., 742 Market, S. F.

Filed Jan. 20, '15. Dated Jan. 14, '15.

As work progresses..... 75%

On completion.....Balance

TOTAL COST, \$3345.90

Bond, none. Limit, 24 days. Forfeit, plans and specifications, none.

FRAME RESIDENCE

(192) N GREEN, bet. Broderick and and Baker. All work for three-story frame residence.

Owner.....Lily Leale, 2458 Vallejo, San Francisco.

Architect...W. O. Banks, 2325 Larkin, San Francisco.

Contractor...George H. & Seth Walker, 110 Jessie, San Francisco.

Filed Jan. 20, '15. Dated Jan. 15, '15.

Frame up\$2025

Brown coated 2050

White coated 2050

Accepted 2050

Usual 35 days..... 2025

TOTAL COST, \$10,900

Bond, none. Limit, 120 days. Forfeit, plans and specifications, none.

HOTEL

(193) W VALENCIA 122 S 16th S 30 xW 88. Concrete work, walls, piers, beams, etc., for five-story and basement steel and reinforced concrete hotel building.

Owner.....C. F. Hornung, 422 Church, San Francisco.

Architect...Rhodes & Marisch, 3372 16th, San Francisco.

Contractor...A. Rasmussen & A. Mailard.

Filed Jan. 20, '15. Dated Jan. 14, '15.

2nd story poured to top of 3rd floor\$500
4th story poured to top of 5th floor 400
5th story poured to top of fire walls 450
Usual 35 days..... 450
TOTAL COST, \$1800

Bond, \$900. Surety, Fidelity & Deposit Co. of Maryland. Limit, as soon as possible. Forfeit, none. Plans and specifications, none.

CLASS "C" APARTMENTS

(194) N POST 137-6 E Larkin E 63-7 N 137-6. Excavating, concrete foundations, concrete floors and rat proofing three-story and basement Class "C" apartment house.

Owner.....A. Rothberg, 130 Geary, San Francisco.

Architect...Frederick H. Meyer, 437 Bankers Investment Bldg., San Francisco.

Contractor...American Concrete Co. Filed Jan. 20, '15. Dated Jan. 20, '15.

On 1st of month..... 75%
Usual 35 days..... 25%

TOTAL COST, \$2948

Bond, \$1474. Sureties, P. Barale and Felice Rocca. Limit, 40 days. Forfeit, none. Plans and specifications filed.

EXHIBIT BOOTH

(195) EXPOSITION SITE. All work for booth in Liberal Arts Building.

Owner.....W. M. Willett, 133 1st, S. F.
Architect...Willis Polk & Co., Hobart Bldg., San Francisco.

Contractor...Stockholm & Allyn, 180 Jessie, San Francisco.

Filed Jan. 20, '15. Dated Jan. 19, '15.

On 15th of each month..... 75%
Usual 35 days..... 25%

TOTAL COST, \$2046

Bond, \$1023. Sureties, D. O. Druffel and C. W. Reguart. Limit, Feb. 19, 1915. Forfeit, \$10. Plans and specifications filed.

FRAME BUILDING

(196) S LOMBARD 75 W Scott 22-8x 100. All work except foundations and sewers, concrete work, painting, cement work, side walk trap door, hardware, gas fixtures and window shades for two-story and basement frame building.

Owner.....Ansano Del Perte, 2419 Lombard, San Francisco.

Architect...A. Franchino, 9 Imperial, San Francisco.

Contractor...Domenico Francesconi, 151 Pixley, San Francisco.

Filed Jan. 20, '15. Dated Jan. 19, '15.

Frame up and roof on.....\$300
Finished and accepted..... 400

Usual 35 days..... 335
TOTAL COST, \$1035

Bond, none. Limit, 45 days. Forfeit, none. Plans and specifications, none.

APARTMENTS

(197) SW CALIFORNIA & STOCKTON S 68-9xW 117-6. Lumber, mill, carpenter, labor, rough hardware, etc., for three-story and basement frame apartment building.

Owner.....Delmar S. Clinton.

Architect...Rousseau & Rousseau, Monadnock Bldg., S. F.

Contractor...Wm. Linden, 110 Jessie, San Francisco.

Filed Jan. 20, '15. Dated Jan. 19, '15.

2nd story joists laid.....\$1753.12
Roof on 1753.12

Ready for lathing..... 1753.12
Standing trim on..... 1753.12
Completed and accepted..... 1500.00
Usual 35 days..... 2837.50
TOTAL COST, \$11,350.00

Bond, none. Limit, 100 days. Forfeit, none. Plans and specifications filed.

(198) CONCRETE WORK, CRIBBING for same, excavation of all trenches for concrete work, steel bars, reinforcing and placing of same on above

Contractor...C. Sartorio, 2126-A Laguna, San Francisco.

Filed Jan. 20, '15. Dated Jan. 19, '15.

1st of every week as work progresses 75%

When completed..... 25%

TOTAL COST, \$1000

Bond, none. Limit, as soon as possible. Forfeit, none. Plans and specifications filed.

STORAGE TANK, ETC.

(199) LOT 125x200 at South end Blk 402, Potrero. All work for one steel storage tank, 15,000 barrel capacity.

Owner.....Shell Company of California, 343 Sansome, S. F.

Architect...None.

Contractor...Western Pipe & Steel Co. of California, 444 Market, San Francisco.

Filed Jan. 21, '15. Dated Jan. 14, '15.

50% of contract price on arrival of material on ground 25%

On completion 25%

Usual 35 days..... 25%

TOTAL COST, \$5800

Bond, \$2900. Surety, Guardian Casualty & Guaranty Co. Limit, March 15, 1915. Forfeit, \$5. Plans and specifications filed.

FRAME STORE

(200) SE CHESTNUT & FILLMORE 62-6 on Fillmore and 87-6 on Chestnut. All work for one-story frame store building.

Owner.....Alpha Realty & Holding Company.

Architect...Heiman & Schwartz, Nevada Bank Bldg., S. F.

Contractor...Arthur Elvin, 425 Castenada Ave., San Francisco.

Filed Jan. 21, '15. Dated Jan. 21, '15.

Rough frame up and roof boards on\$875

Roof on and beaver board and battens on 875

Completed and accepted..... 875

Usual 35 days..... 875

TOTAL COST, \$3500

Bond, \$1750. Surety, Massachusetts Bonding & Insurance Co. Limit, 20 days. Forfeit, none. Plans and specifications filed.

FRAME DWELLING

(201) SE MADRID 175 NE Peru. One and one-half-story and basement frame dwelling.

Owner.....J. Cuneo et al, 40 Martha Ave., San Francisco.

Architect...None.

Day's work. COST, \$1400

FRAME DWELLING

(202) W YORK 130 N 24th. One-story and basement frame dwelling.

Owner.....Mrs. Maria Peyret, 11 Chenery, San Francisco.

Architect...None.

Contractor...Chas. Legrand, 11 Chenery San Francisco.

COST, \$1000

FRAME STORE

(203) NO. 3221 SCOTT. One-story frame store.

Owner.....C. Armand, 2390 Lombard, San Francisco.

Architect...None.

Contractor...Arthur Halstrom, 3146 Divisadero, San Francisco.

COST, \$400

ALTERATIONS

(204) NO. 318 DIVISADERO. Alterations.

Owner.....Mrs. J. Wafer, 470 Page, San Francisco.

Architect...None.

Day's work. COST, \$800

FRAME FLATS

(205) NW PALM AVE & EUCLID. Two-story and basement frame (4) flats.

Owner.....Thos. Scoble, 363 14th Ave. San Francisco.

Architect...E. E. Young, 251 Kearny, San Francisco.

Day's work. COST, \$9000

FRAME STORE AND DWELLING

(206) NE DE MONTFORD AND MIRAMAR. One-story frame store and dwelling.

Owner.....Wesley Donaldson, 267 Miramar Ave., S. F.

Architect...None.

Day's work. COST, \$950

FRAME FLATS AND STORE

(207) S LOMBARD 138 W Baker. Two-story and basement frame (4) flats and store.

Owner.....Halstrom & Lacazette, 3146 Divisadero, San Francisco.

Architect...None.

Contractor...Arthur Halstrom, 3146 Divisadero, San Francisco.

COST, \$3000

ADDITION

(208) NO. 77 NORTON. Add 2 rooms.

Owner.....Margaret Farrell, Prem.

Architect...None.

Day's work. COST, \$500

FRAME DWELLING

(209) NO. 1318 BROADWAY (rear.) One-story and basement frame dwlg.

Owner.....E. J. Montgomery, Prem.

Architect...None.

Day's work. COST, \$800

ALTERATIONS

(210) NO. 8 KEARNY. Alter lunch room.

Owner.....C. A. Compton, 218 Chronicle Bldg., S. F.

Architect...None.

Day's work. COST, \$800

FRAME DWELLING

(211) W TWELFTH AVE 75 N Anza. Two-story and basement frame dwlg.

Owner.....J. C. Kirby, 2152-A Market San Francisco.

Architect...None.

Day's work. COST, \$3000

FRAME APARTMENTS

(212) W SCOTT 37½ S Sacramento. Three-story and basement frame (12) apartments.

Owner.....J. V. Campbell, 1040 Bryant and Leon E. Prescott, 120 Palm Ave., S. F.

Architect...None.

Contractor...J. V. Campbell, 1040 Bryant, San Francisco.

COST, \$18,000

SUB-DIVIDE BASEMENT

(213) NO. 36 FARNSWORTH. Sub-divide basement for rooms.
Owner.....A. A. Robinson, Premises.
Architect...None.
Contractor...J. R. Wilson, 755 Pine, San Francisco.

COST, \$400

POWER STATION

(214) NE LARKIN & McALLISTER. Power station.
Owner.....City and County of S. F.
Architect...None.
Contractor...T. W. McClenahan & Co.
COST, \$10,800

FRAME RESTAURANT

(215) EXPOSITION SITE. All work for one-story frame restaurant bldg.
Owner.....Jas. W. Young.
Architect...Wm. Beasley, 127 Montgomery, San Francisco.
Contractor...Richard Sinnott, 1323 Guerrero, San Francisco.
Filed Jan. 22, '15. Dated Dec. 28, '14.
Frame up\$609.37½
Enclosed 609.37½
Plastered 609.37½
Completed and accepted.... 609.37½
Usual 35 days..... 812.50
TOTAL COST, \$3250.00

Bond, none. Limit, 45 days after Dec. 21, 1914. Forfeit, none. Plans and specifications filed.

FRAME RESIDENCE

(216) E PRENTISS 125 N Jarboe 25x70; Lot 827 Gift Map No. 2. All work for one and one-half-story frame residence.
Owner.....Anna M. and Chas. E. Czerney.
Architect...None.
Contractor...New Era Bldg. Co., Inc., 3289 Mission, San Francisco
Filed Jan. 22, '15. Dated Jan. 20, '15.
Rough frame up.....\$540
1st coat plaster on..... 540
Completed 540
30 days after..... 540
TOTAL COST, \$2160

Bond, none. Limit, without delay. Forfeit, none. Plans and specifications filed.

FRAME FLATS

(217) SW NINETEENTH AND CAPP W 104-6xS 65. All work for two-story frame flats.
Owner.....The Trustees of the Emanuel Church of the Evangelical Association.
Architect...Falch & Knoll, Hearst Bldg., San Francisco.
Contractor...Ludwig B. G. Koenig, 3525 19th, San Francisco.
Filed Jan. 22, '15. Dated Jan. 20, '15.
Frame up\$1368
Brown coated 1369
Completed and accepted..... 1369
Usual 35 days..... 1369
TOTAL COST, \$5475

Bond, \$2750. Sureties, Wm. A. Newsom and Wm. Koenig. Limit, 75 days. Forfeit, \$5. Plans and specifications filed.

EXHIBITION BUILDING

(218) EXPOSITION SITE. All work for exhibition building.
Owner.....Western Union Telegraph Company.
Architect...Wm. Wells Bosworth, Harriman Bank Bldg., N. Y.
Contractor...Strehlow, Freese & Peterson, Exposition Site, S. F.
Filed Jan. 23, '15. Dated Jan. 23, '15.

On 1st of each month.....

Usual 35 days.....
TOTAL COST, \$3000
Bond, \$2745. Surety, Pacific Coast Casualty Co. Limit, Feb. 20, 1915. Forfeit, \$20. Plans and specifications filed.

STEEL AND CAST IRON WORK

(219) N McALLISTER about 144-6 E Fillmore. Structural steel and cast iron bases for building known as Langendorf Baking Co.
Owner.....Bernard Langendorf. 878 McAllister, S. F.
Architect...D. C. Coleman, Merchants' National Bank Bldg., S. F.
Engineer...W. W. Breite, Clunie Bldg., San Francisco.

Contractor...Onward Investment Co.
Sub-Contractor...Central Iron Works, 651 Florida, San Francisco.

Filed Jan. 23, '15. Dated Jan. 23, '15.
On 1st and 15th of each month 75%
Usual 35 days..... 25%
TOTAL COST, \$75 per ton not to exceed \$5800
Bond, none. Limit, 40 days. Forfeit, \$50. Plans and specifications filed.

FRAME COTTAGE

(220) E LA PLAYA (49th Ave) 275 S Irving (1) S 25xE 120. All work for one-story frame cottage.
Owner.....Mrs. J. Huber.
Architect...Plans by Contractor.
Contractor...Peter M. Leonard, 1247 45th Ave., San Francisco.
Filed Jan. 23, '15. Dated Jan. 23, '15.
Rafters in place.....\$210
Rough plumbing in and brown coated 210
Completed 210
Usual 35 days..... 215
TOTAL COST, \$845

Bond, none. Limit, 45 days. Forfeit, \$1. Plans and specifications filed.

INCORPORATIONS

New Speed Carburetor Co. To deal in various kinds of motion engines and carburetors. Capital Stock, \$100,000; 100,000 shares at \$1 each; amount subscribed, \$5. Place of business, San Francisco. Directors—L. W. Sanborn, W. J. Girard, J. L. Moulthrop, C. L. Stinett and C. B. Smith, 1 share each.

Mains & Welsh Company. To repair and improve booths for exhibits at P. P. I. E. Capital Stock, \$10,000; 10,000 shares at \$1 each; amount subscribed, \$3. Place of business, San Francisco. Directors—J. H. Welsh, H. L. Mains and J. W. Henderson, 1 share each.

W. L. Porter Fuel Co. To deal in wholesale and retail all kinds of fuel and hay and grain. Capital Stock, \$25,000; 250 shares at \$100 each; amount subscribed, \$300. Place of business, San Francisco. Directors—W. L. Porter, L. P. Porter, E. M. Shipley, 1 share each.

Municipal Utilities Company. General brokerage business on stocks and bonds. Capital Stock, \$1000; 1000 shares at \$1 each; amount subscribed, \$3. Place of business, San Francisco. Directors—L. Langstroth, M. Langstroth and S. T. Langstroth, 1 share each
Simmons Manufacturing Company. Cert. Copy. General manufacturing business. Capital Stock, \$10,000; 1000 shares at \$100 each; amount subscribed \$10,000. Place of business, Wilmington, Del. Directors—C. D. Barnes, 8

shares J. P. Laffey and C. R. Mudge, 9 shares each.

Melville Clarke Piano Company. Cert. Copy. To deal in musical instruments and accessories. Capital Stock, \$100,000; 1000 shares at \$100 each; amount subscribed, \$95,000. Place of business, Chicago, Ill. Directors—A. G. Gulbrausey, E. Mueller, H. S. Clark, C. O. Baughman and Melville Clarke.

Columbia Mines Company. General mining and milling business. Capital Stock, \$750,000; 750,000 shares at \$1.00 each; amount subscribed, \$5. Place of business, San Francisco. Directors—R. H. Genung, H. L. Carson, H. L. Clayberg, C. Clement and W. H. Kountz 1 share each.

LEASES

Jan. 18, 1915—S CHESTNUT 179-3 E Pierce E 27xS 137-6. Lessee agrees to erect building to cost not less than \$7500. Paolo Grasso to T W McClenahan, 1 year, \$960 with option to renew: ½ interest assigned to J W Clarke and Jas J Burke.

Jan. 18, 1915—S CHESTNUT 137-6 E Pierce E 41-9xS 137-6. (Lessee agrees to erect building to cost not less than \$7500). C de Grassi to T W McClenahan and James J Burke, 1 year with option to renew, \$1500. ½ interest assigned to J W Clark.

Jan. 20, 1915—W FILLMORE 29 S Chestnut. Store space for restaurant in building in course of construction. M B Mergen and O M Preston to Joe Stein, 1 year 12 days. \$1984.

Jan. 16, 1915—SW FILLMORE AND Chestnut W 110 S 90 E 30 N 50 E 80 N 40. Owl Drug Co to M B Mergen and O M Preston, 13 months. \$4550.

Jan. 20, 1915—NO. 1193 McALLISTER SE Cor. Fillmore. Sheehan Inv Co. to Richard Mohr and George G. Welz Dec. 31, 1920. \$3600.

Jan. 21, 1915—NO. 239 SIXTH J Underwood Hall and Grace Spencer Hall to Annie L Patterson and Chas Dawson. 1 year 7 months, \$50 per month.

Jan. 19, 1915—NO. 1519 HAIGHT. Fred S Davis to Alexander Raffo, ½; Victor Croce and Adolph Bottaro, ½. 5 years. \$4650.

Jan. 19, 1915—SW FILLMORE AND Chestnut S 29 W 30 N 29 E 30 being ptn of SW Fillmore and Chestnut W 110 S 90 E 30 N 50 E 80 N 40. M B Mergen and O M Preston to Joseph Hertzberg, 1 year 12 days. \$7749.

Jan. 19, 1915—NO. 850 E DEVISADERO 25 S McAllister. Katherine A Rivers and Marie Adam Musto to A Kohn, A Marini and A Biagi, 3 years. \$110 per month, etc., with option to renew

NOTICE OF NON-RESPONSIBILITY.

Jan. 19, 1915—SE CHESTNUT AND Franklin S 137-6 E 137-6 N 50 W 25 N 87-6 S 112-6. D Samuels Realty Co as to improvements on leased property

Jan. 19, 1915—N GEARY 80-7¼ E Grant Ave E 39-1¼ N 62-6 E 15 N 60 to S Manila (Union Square Ave) W 75 S 62-6 g 20-7¼ S 60. Whit-tell Realty Co as to improvements on leased property

Jan. 19, 1915—W POWELL 69-1½ S O'Farrell S 68-4½xW 137-6. Mary T Emerson as to improvements on

leased property
 Jan. 20, 1915—NW MISSION AND
 Fifth N 85xE 50. Catherine Dunne
 Co and John M Foge as to improve-
 ments on leased property.....
 Jan. 21, 1915—SE CHESTNUT AND
 Fillmore E 87-6xS 62-6. Jas P
 Sweeney as to improvements on
 leased property
 Jan. 23, 1915—E FILLMORE 55 S
 Broadway S 20xE 25. Carl G and
 Clara Louise Ede Wilson as to im-
 provements on leased property...

NOTICE OF NON-LIABILITY.

Jan. 18, 1915—SW FILLMORE AND
 Chestnut W 110 S 90 E 30 N 50 E
 80 N 40. John and Mary A Mul-
 hern as to improvements on leased
 property
 Jan. 19, 1915—NW VAN NESS AVE
 pvements on leased property...
 and Willow N 50xW 109-9. Mary
 A and Ellen T Martin as to im-

FIGURING NEW RIO VISTA SCHOOL.

Rio Vista Joint Union High School
 bids will be received up to February
 5th at 3 P. M.

COMPLETION NOTICES.

San Francisco

Jan. 15, 1915—N TONQUIN 100 E
 Steiner S 1100xW 581.25. Panama-
 Pacific International Exposition Co
 to Strehlow, Freese & Petersen..
Jan. 14, 1915
 Jan. 15, 1915—E EUREKA 125 S 18th
 S 25xE 125. Sallie Clot to Wm L
 Terry.....Jan. 5, 1915
 Jan. 15, 1915—EXPOSITION SITE.
 Panama-Pacific International Ex-
 position Co to McSheehy Bros.....
Jan. 4, 1915
 Jan. 15, 1915—SE GREEN & FILL-
 more S 86-6xE 70-5. Bertha Ober-
 feld to Al Leaf, Cramer Bros.
 Henry Kelly, Collonan Elec Mfg
 Co & California Mill Co. Jan. 5, 1915
 Jan. 15, 1915—S PACIFIC AVE 32-6
 E Walnut E 110xS 127-8¼. Kath-
 erine P Hooker to C W Farrow..
Jan. 15, 1915
 Jan. 15, 1915—N EDINBURGH AND
 Peru (India Ave) NW 25xNE 100.
 Catherine Amrhein to New Era
 Bldg Co.....Dec. 15, 1914
 Jan. 16, 1915—SW GALVEZ AVE 100
 NW Mendell NW 50xSW 100 ptn
 Lot 28 Blk 139 Central Park Hd
 Ass'n. Remy and Marie Laplace to
 J Pedeupe and Emilie Leveque....
Jan. 14, 1915
 Jan. 16, 1915—N LAKE 90 W 19th
 Ave W 30xN 100. Milton Ellis to
 Roberts & Woolfrey....Jan. 15, 1915
 Jan. 16, 1915—SW FOOTE AVE 25
 SE Ellington (Porter) Ave SE 25x
 SW 80 ptn Lot 1 Blk 24 West End
 Map No. 2. Thomas J Emery to
 Charles Anderson.....Jan. 7, 1915
 Jan. 16, 1915—SE GEARY & TAYLOR
 S 137-6xE 87-6. Chft Realty Co to
 Clinton Fireproofing Co of Cali-
 forniaJan. 6, 1915
 Jan. 18, 1915—W SIXTH AVE 175 S
 Geary S 25xW 120. Agnes Sullivan
 to Roberts & Woolfrey..Jan. 1, 1915
 Jan. 18, 1915—N FILBERT. bet. Ma-
 son and Columbus Ave. S Tocci
 and Maria Tocci (wife) to Drago
 Novello & Mariano....Jan. 13, 1915
 Jan. 18, 1915—THAT PTN OF VAL-

lejo extending from W Taylor W
 to and including E Jones. Vallejo
 Street Property Owners to F Ro-
 landi.....Jan. 14, 1915
 Jan. 18, 1915—NW UPPER TERRACE
 and Ashbury Terrace, Lot 28 Lyon
 & Hoag Sub Ashbury Terrace.
 William Koenig to whom it may
 concern.....Jan. 11, 1915
 Jan. 18, 1915—LOT 7 BLK 6 Crocker
 Amazon Tract. Louis B Harder to
 John B Woolfrey.....Jan. 14, 1915
 Jan. 18, 1915—Lot 22 BLK "A" Mis-
 sion Terrace. Paul and Katherine
 Gulrich to Wm and Francis Smith
Completed —
 Jan. 18, 1915—BLOCK BDED BY
 Grove, Larkin, Hayes and Polk.
 Panama-Pacific International Ex-
 position Co to Newbery-Bendheim
 Elec Co, Jan. 14; Atlas Heating &
 Ventilating Co, Jan. 14; Frederick
 W Snook.....Jan. 14, 1915
 Jan. 18, 1915—W DELAWARE 154 S
 22nd (Sierra) S 279xW 200. Pacific
 Gas & Electric Co to Schaw-
 Batchter Co Pipe Works..Jan. 13, 1915
 Jan. 19, 1915—E FOURTH AVE 341-
 4 13-16 S Cabrillo S 34 m or 1 NE
 120 m orl N 20 m or 1 W 120. Lillie
 Schroeder to E E Etherton.....
Jan. 14, 1915
 Jan. 19, 1915—SW BAY & STEINER
 N 100xW 1870 m or 1. Panama-
 Pacific International Exposition Co
 to Strehlow, Freese & Petersen..
Jan. 16, 1915
 Jan. 19, 1915—EXPOSITION SITE.
 Iowa Commission to Panama-Pacific
 International Exposition to James
 H Pinkerton.....Jan. 15, 1915
 Jan. 19, 1915—S JACKSON 195 E
 Fillmore E 25x127-8¼. S Arrillaga
 to V Filippis.....Jan. 18, 1915
 Jan. 19, 1915—S HUGO 62 W Second
 Ave S 35xW 35. Rose Campion to
 Michael Brueck.....Jan. 18, 1915
 Jan. 19, 1915—E TWENTY-SECOND
 Ave 150 N California N 25xE 120.
 George L Compton to Jas Welsh..
Jan. 13, 1915
 Jan. 19, 1915—E TWENTY-SECOND
 Ave 175 N California N 25xE 120.
 James Welsh to James Welsh & Co
Jan. 11, 1915
 Jan. 20, 1915—NW POLK AND CALI-
 fornia W 56-3 N 87-6 W 25 N 25 E
 81-3 S 112-6. Bradbury Estate In-
 vestment Co and Mary M Bradbury
 to Malott & Peterson...Jan. 11, 1915
 Jan. 20, 1915—E SIXTH AVE 566 N
 Lake E parallel with N Lake 120
 N 84-9 m or 1 to S line Government
 Reservation SW 194-4 to a point
 on a line which if extended N would
 be W line of 6th Ave and dist
 thereon 608-5¼ N Lake S 27-1½ to
 a point the E 70-1¼ m or 1 to E
 6th Ave at a pt 577-4 N Lake S
 11-4. Elise A Drexler to Herman
 Lawson.....Jan. 13, 1915
 Jan. 20, 1915—SW EDDY & TAYLOR
 W 137-6xS 137-6. Morris, Joseph
 and Julia Hyman, Theresa Stone,
 Emilie Baruch and Henry W Hy-
 man Estate Co to Forderer Cornice
 Works.....Jan. 18, 1915
 Jan. 20, 1915—S PACIFIC AVE 112
 W Larkin W 27-6xS 127-8¼. Sus-
 anna Knipper to E Ichters and P
 Grell.....Jan. 12, 1915
 Jan. 20, 1915—N CALIFORNIA 25 W
 Leavenworth W 25xN 75. Gerard
 Investment Co to whom it may
 concern.....Jan. 19, 1915
 Jan. 20, 1915—EXPOSITION SITE.
 Republic of Bolivia to William

Martin.....Jan. 19, 1915
 Jan. 21, 1915—W TWELFTH AVE
 100 N Anza N 25xW 120. Joseph
 C Kirby to whom it may concern
Jan. 21, 1915
 Jan. 21, 1915—BDED BY HUMBOLDT,
 23rd, Georgia and Louisiana known
 as P N Blk 464. Pacific Gas &
 Elec Co to Forderer Cornice Works
Jan. 15, 1915
 Jan. 21, 1915—E EIGHTEENTH AVE
 150 N Balboa. Mark Manning or
 Mark J Manning to Byron J Hooper
Jan. —, 1915
 Jan. 21, 1915—NW JACKSON AND
 Scott N 127-8¼xW 137-6. Academy
 of the Sacred Heart to Martin
 Peterson.....Jan. 18, 1915
 Jan. 22, 1915—E BRYANT 93-4 N
 26th N 23xE 100. Eliza Clifford
 to whom it may concern.....
Jan. 20, 1915
 Jan. 22, 1915—LOTS 4 AND 5 BLK
 3 Crocker Amazon Tract. Vittorio
 Boicelli to J I Mitrovich Bldg Co.
Jan. 22, 1915
 Jan. 22, 1915—N WASHINGTON
 137-6 W Octavia W 1376x225-4¼.
 Mary Louise Phelan to Central Iron
 Works.....Jan. 19, 1915
 Jan. 22, 1915—S TWENTY-SIXTH
 204-7 E Diamond E 49x114. Wm
 and Mary A Bergk to whom it may
 concern.....Jan. 20, 1915
 Jan. 22, 1915—S GRATTAN 203-7¼ E
 Shrader E 25xS 125. Hans Brett
 to Wm Lemser and F A Piske.....
Jan. 21, 1915
 Jan. 22, 1915—SW HOWARD AND
 Rausch SW 56xSE 100. E H Gates
 vs Edmund H and Margaret V
 Coleman, Daniel G Coleman, Wm
 R Bell and Chas Alsop.....\$1525
 Jan. 22, 1915—N O'FARRELL 74 W
 Larkin W 63-6xN 120. Hauptman
 Lumber Co, \$273.09; Hauptman
 Lumber Co, \$70.69 vs A Sundberg,
 Maria Schumacher, H W Ludemann
 Hermine Ludemann and Richard
 Sinnott
 Jan. 22, 1915—NW CLARENDON AVE
 150 m or 1 SW from S Carmel W
 parallel with S Carmel along N
 line lands of Spring Valley Water
 Co 26-0% N parallel with Cole 31-9
 E parallel with S Carmel and dist
 100 S therefrom 48 m or 1 SW 38
 m or 1. Gas Appliance Sales Co of
 America vs Mary A Carmody....\$52
 Jan. 22, 1915—NW CLARENDON AVE
 150 m or 1 SW frm S Carmel W
 parallel with Carmel 26-0% N
 parallel with Cole 31-9 E parallel
 with Carmel and dist 100 S there-
 from 48 m or 1. Morris Stulsaft &
 Co vs Joseph Deasy, J W Woolfrey,
 L J Roberts, W G McDiarmid and
 Mary O Carmody.....\$301.42
 Jan. 22, 1915—EXPOSITION SITE. L
 A Rose vs Neptune Amusement Co
\$3542.46

LIENS FILED

SAN FRANCISCO COUNTY.

Jan. 16, 1915—W TWENTY-THIRD
 Ave 215 S Union S 25xW 120. M
 Bertolino vs J H Claussen, Isadora
 Claussen & J H Haner.....\$330
 Jan. 16, 1915—E EUREKA 150 S 18th
 S 108-6xE 120. J S Guerin & Co vs
 Beulah Real Estate Co, A E Olsen
 and A Sundberg.....\$292.75
 Jan. 16, 1915—NW TWENTY-FIRST
 and Hampshire N 93xW 25. Loop
 Lumber Co vs A Filipini.....\$115.84
 Jan. 16, 1915—W NINTH AVE 125 S

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**HARRISON ST.,
bet. 8th & 9th
San Francisco**

Telephone Market 337

Geary S 25xW 120. Loop Lumber Co vs A Filipini.....\$70.45
Jan. 18, 1915—PTN OF LAND BDED on W by Illinois; S by 20th; N by 19th; E by Bay of San Francisco. Frank Morse Spencer (as Spencer Elevator Co), \$825; Frank P Doe Co, \$3333.36. Pacific Building Materials Co, \$432 vs Union Iron Works and Thos H Day's Sons
Jan. 18, 1915—N HEARST AVE 125 W Genessee W 25xN 112-6. L A Hufschmidt Mfg Co vs H H Wendt\$85.25
Jan. 20, 1915—SW CAPP AND 26TH W 25xS 100 m or 1 NE 87-9 to beg. Robert McLelland vs Marie or Mary Revilli or Marie Antoinette Revilli\$1200
Jan. 20, 1915—SW CAPP AND 26TH W 25 S 100 m or 1 NE 87-9 m or 1. Robert McLelland, Inc vs Marie or Mary Revilli or Marie Antoinette Revilli\$1648.75
Jan. 21, 1915—SW STEINER AND Greenwich S 25xW 100. Fibrestone & Roofing Co vs E Moriso, G Alessio and P P.....\$56
Jan. 21, 1915—S McALLESTER 35 W

Gough W 55xS 137-6. Petersen-James Co vs Ruben Cohn and B O Smith\$88.75
Jan. 21, 1915—SW TWENTY-SIXTH and Capp W 25 m or 1 S 100 m or 1 to NW Serpentine Ave NE 31 m or 1 N 87-9 m or 1. A and D Ratto (as Ratto & Ratto) vs Maria Rivelli.....\$4742.60
Jan. 21, 1915—NW MARKET AND W The Embarcadero NW along W line The Embarcadero to a point formed by Intersection of W The Embarcadero and S Commercial W along Commercial to a pt 481-8 E Drumm S 59-9 E 45-8 S 59-9 to a pt on N Sacramento 527-4 E Drumm N to beg. Pacific Mfg. Co vs Thos. H Day's Sons and Henry Cowell Lime & Cement Co.....\$2942.92

RELEASE OF LIENS

SAN FRANCISCO COUNTY.

Jan. 11, 1915—SW MASON & JACK-son W 57-6xS 24. C Bloom to A Brisa, G Volpi and Antone Sambuck

Jan. 12, 1915—N PAGE 100 E Fillmore. Gas & Electric Appliance Co, Inc to Margaret and Anna Carey..
Jan. 18, 1915—SW TURK & POLK S 120 W 97-6 N parallel with Polk 30 E 30 N 90 E 67-6. A E Hornlein to John Gallwey and Chas W Slack, extras Estate Reuben H Lloyd, dec'd.
Jan. 20, 1915—E EUREKA 150 S 18th S 108-6xE 120. J S Guerin & Co to A E Olson, Beulah Real Est Co and A Sundberg.....
Jan. 21, 1915—S LAKE 32-6 W 18th Ave W 25xS 100. W R Kinney Co to Emma Clinton Rose, C C Turney O E Evans and A Davis.....

OAKLAND AND ALAMEDA COUNTY.

RESIDENCE—2 story and base, frame, \$8,000. Oakland, Cal. Architect, Charles W. McCall, Central Bank Bldg., Oakland. Owner's name withheld. The dwelling will be erected in Crocker Highlands and has been designed to contain eight rooms, two baths and sleeping porches. Interior will be finished in pine and hardwoods. White enamel will be used in the bed rooms. Hardwood floors will be used throughout. Plans provide for furnace heat and open fire places. Mantels will be of tile or brick. Bath rooms will have tile floors and wainscot. An automatic water heater will be installed. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are now being prepared.

BUNGALOW—1 story and base, frame, \$2,500. Berkeley, Alameda Co., Cal. Architects, Elite Planners, 1844 5th avenue, Oakland. Owner, E. A. Janssen, Hearst Bldg., S. F. The dwelling will be erected in Northbrae and has been designed for a five-room house with bath and sleeping porch. Interior will be finished in pine and redwood. Hardwood floors will be used in the living and dining rooms. There will be an open fire place and tile or brick mantel. Bath room will have tile wainscot. An automatic water heater will be installed. Exterior of the house will be covered with cement plaster on metal lath. Plans are complete and the work will be done by Day Labor.

HOSPITAL REFRIGERATING WORK—Cost not stated. Berkeley, Alameda Co., Cal. Architect, State Architect George B. McDougall, Sacramento. Owners, State of California. Bids opened for furnishing and installing a refrigerating system in the Berkeley Institute for the Deaf and Blind show the United Iron Works, Oakland, low at \$2,086. They will probably be awarded the contract. A complete list of the figures received will be found under the heading of Oakland and Alameda County in this issue.

SCHOOL—2 and 3 story and base, reinforced concrete. Cost not stated. Oakland, Cal. Architect, J. J. Donovan, Security Bank Bldg., Oakland. Owners, City of Oakland. Bids opened on Tuesday, January 19th for the construction of the Clawson School show the Clinton Fireproofing Co., San Francisco low at \$141,350. All bids were referred to the legal department for advisement. A complete list of the bids received will be found under the heading of San Francisco in this issue.

GARAGE—1 story, brick and steel,

\$5,000. Oakland, Cal. Architect, none. Owner, Joseph L. Pelithomme, E. 14th street and 20th avenue, Oakland. The building has been designed for a small commercial garage and will be erected at the southwest corner of East 14th street and 20th avenue. There will be a cement floor and metal window sash and frames. No interior finish is specified. Exterior of the building will be faced with stock brick or cement plaster. Plans are complete and in the hands of the owner who will do the work by Day Labor.

COLLEGE CLASS ROOMS AND AUDITORIUM—1 story and base. Class A construction, \$800,000. Berkeley, Alameda Co., Cal. Architect, John Galen Howard, 604 Mission street, S. F. Owners, Regents of the University of California. Working drawings have been started for the big class room and auditorium building which is to be erected on the University of California Campus at Berkeley. The building is to be erected out of the proceeds of the recent bond election. Preliminary studies show a four-story structure of steel and granite which will cost about \$800,000. The auditorium will have a seating capacity of 1500 people, while the class rooms will accommodate 3500 students. The new building will replace the Old North Hall.

BOAT HOUSE—1 story, reinforced concrete, \$10,000. Oakland, Cal. Architect, Walter Reed, Oakland Bank of Savings, Oakland. Owners, City of Oakland. This building will be erected on Lake Merritt and has been designed for the storage of canoes. Plans are also being prepared by the same architect for a water pavilion costing \$2,000, which will be erected at Independence Park. Plans for both of these jobs will be completed within a week and figures will be taken. Notice will be given in these columns when the official advertisement appears.

GARAGE ALTERATION—2 story, brick, \$5,000. Oakland, Cal. Architect, Walter D. Reed, Oakland Bank of Savings, Oakland. Owners, Edoff Co. The building to be altered was formerly used as the City Hall Annex and is located at 1728 Broadway. Alterations will consist of new floors, electric work and special gasoline storage tanks. Plans are being prepared.

RESIDENCE ALTERATIONS—Cost not stated. Oakland, Cal. Architect, Sidney B. Newsom, Nevada Bank Bldg., S. F. Owner, E. J. Gridley. This work will consist of the construction of a large addition in the rear, two new sleeping porches and some other minor exterior alterations. Interior will be finished in pine and some new hardwood floors laid. Plumbing and electric work are also included in the work. Plans are being prepared.

Contracts Awarded.

RESIDENCE—2 story, attic and base, frame, \$20,000. Oakland, Cal. Architect, Sidney B. Newsom, Nevada Bank Bldg., S. F. Owners, Mr. and Mrs. H. W. Harrold. Contractor, Alfred Peterson, 1201 19th street, Oakland. Contract price, \$20,000.

Buildings erected in Phoenix and suburbs in 1914 cost approximately one million dollars. In Tucson the expenditure for new buildings was \$388,117.

Bids For Clawson School Are Opened.

Fourteen Sets of Bids Received By Oakland Board of Education. Clinton Fireproofing Co. Low on Job.

Fourteen sets of figures were opened Tuesday by the Oakland Board of Education for the construction of the Clawson School, a two and three-story reinforced concrete building, designed by Supervising Architect J. J. Donovan of Oakland. The lowest bid was submitted by the Clinton Fireproofing Co. of San Francisco at \$141,350. All bids were referred to the legal department for a report. Following is a complete list of the figures received except the alternate propositions:

Clawson School.

Bert T. Owsley.....	\$157,475
Van Sant-Houghton Co....	148,659
Clinton Fireproofing Co....	141,350
J. D. Hannah.....	159,573
Sound Constr. & Eng. Co....	156,812
John J. Leonard.....	151,128
William O. Griffith.....	152,600
Carnahan & Mulford.....	151,489
Foster-Vogt Co.	160,887
R. W. Moller.....	147,973
R. W. Littlefield.....	155,000
Oliver Duval & Son.....	152,990
McLeran & Peterson.....	155,000
William A. Newsom.....	167,716

Bids For Cold Storage Equipment.

United Iron Works Submit Lowest Figures For Cold Storage Rooms in Berkeley Institute for Blind.

(By Special Wire.)

SACRAMENTO, CAL., January 20th, 1915.—Seven sets of figures were received by the State Board of Control for furnishing and installing cold storage rooms in the present kitchen building at the California Institute of the Deaf and Blind at Berkeley. The lowest bid was received from the United Iron Works at \$2,086. They will probably be awarded the contract.

Following is a list of the bids received:

Cold Storage Rooms.

United Iron Works.....	\$2,086
H. W. Johns-Manville Co....	2,195
De Laval Dairy Supply Co....	2,196
Frank Gallagher	2,245
York California Constr. Co....	2,342
Cyclops Iron Works.....	2,390
Vulcan Iron Works.....	2,422

Building Contracts Awarded.

Oakland.

No.	Owner	Contractor	Amt.
81	Cox	Cox	500
83	Jenkins	Sommarstrom	7500
84	Abrahamson	Kulchar	850
85	Cavanagh	Rollins	4000
86	Anderson	Anderson	2500
87	Larson	Larson	2500
89	Costa	Boga	1500
90	Strang	Strang	1500
91	Nelson	Chapin	500
92	Lee	Buckland	700
93	Palmer	Seaman	400
94	Butler	Butler	2000
100	Coit	Coit	2000
101	Donovan	Gates	1800
103	Scott	Nat'l Rfg	450

104	Faust	Faust	2350
105	Petithomme	Owner	2000
106	Crowder	Kurtz	1800
107	Govia	Santos	800
108	De Sosa	De Sosa	1500
109	Coburn	Smith	2000
111	Harrold	Peterson	15249
112	Kessler	Kessler	500
113	Drochetz	Lydicksen	500
114	May	Barnet	1178
115	Hudson	Hudson	1000
116	Edoff	Edoff	5000
117	Western Pacific.....	Hyde	1295

DWELLING

(81- E THIRTEENTH AVE 60 N E-20th, Oakland. One-story 3-room dwelling.

Owner.....Mrs. E. N. Cox, 6476 Vallejo, San Francisco.

Architect...None.

Contractor..L. W. Cox, 6476 Vallejo, San Francisco.

COST, \$500

FLATS

(83) E BROOK 200 S Broadway, Oakland. Two-story 16-room flats.

Owner.....Elosa Jenkins, S. F.

Architect...None.

Contractor..Sommarstrom Bros., 202 E-12th, Oakland.

COST, \$7500

ALTERATIONS

(84) SE THIRTEENTH AND CLAY, Oakland. Alterations.

Owner.....Abrahamson Bros., 13th & Washington, Oakland.

Architect...C. W. Dickey, Central Bank Bldg., Oakland.

Contractor..S. Kulchar & Co., 518 4th, Oakland.

COST, \$850

DWELLING

(85) W HADDON ROAD 123 N Brooklyn, Oakland. Two-story eight-room dwelling.

Owner.....Della Cavanagh and Margaret M. Rollins, 357 Athol Ave., Oakland.

Architect...None.

Contractor..E. E. Rollins, 357 Athol Ave., Oakland.

COST, \$4000

DWELLING

(86) N E-SIXTEENTH 50 E Seventh Ave., Oakland. One-story 6-room dwelling.

Owner.....Mrs. C. Anderson, 624 E-16th, Oakland.

Architect...None.

Contractor..C. A. Anderson, 624 E-16th, Oakland.

COST, \$2500

DWELLING

(87) W EIGHTH AVE 35 S E-24th, Oakland. One-story 6-room dwelling.

Owner.....B. G. Larson, 2425 Wallace, Oakland.

Architect...None.

Day's work. COST, \$2500

DWELLING

(89) W 106TH AVE 200 S Biggerean, Oakland. One-story 5-room dwlg.

Owner.....Jos. P. Costa, Oakland.

Architect...None.

Contractor..J. M. Boga, San Leandro.

COST, \$1500

DWELLING

(90) W ELSTON AVE 285 S E-38th, Oakland. One-story 3-room dwelling

Owner.....V. N. Strang, 1521 9th, Alameda.

Architect...None.

Day's work. COST, \$1500

ALTERATIONS

(91) NO. 2819 SEMINARY AVE., Oakland. Alterations.
Owner.....H. S. Nelson, Premises.
Architect...None.
Contractor...L. E. Chapin, Security Bk. Bldg., Oakland.

COST, \$500

ALTERATIONS

(92) SW TWENTY-FOURTH AND Broadway, Oakland. Alterations.
Owner.....Cuyler Lee, Premises.
Architect...None.
Contractor...P. G. L. Buckland, Box 88, Ross.

COST, \$700

ALTERATIONS

(93) NO. 1521 JACKSON, Oakland. Alterations.
Owner.....W. S. Palmer, Premises.
Architect...None.
Contractor...A. W. Seaman, 4372 Montgomery, Oakland.

COST, \$400

DWELLING

(94) E BROADWAY 75 N Kales Ave., Oakland. One-story 6-room dwlg.
Owner.....H. S. Butler, 5349 Manila Ave., Oakland.
Architect...None.
Day's work.

COST, \$2000

DWELLING

(100) S FORTY-SECOND 100 E West, Oakland. One-story 5-room dwlg.
Owner.....C. B. Coit, 306 14th, Okd.
Architect...None.
Contractor...Roger Coit, 306 14th, Okd.

COST, \$2000

DWELLING

(101) N NORTH 300 E Telegraph Ave Oakland. One-story 5-room dwlg.
Owner.....Miss Mae Donovan, 527 Alcatraz Ave., Oakland.
Architect...None.
Contractor...L. Gates and W. Sherwood, 527 11th, Oakland.

COST, \$1800

ROOF REPAIRS

(103) SE TWELFTH AND JACKSON, Oakland. Roof repairs.
Owner.....Geo. A. Scott, Oakland.
Architect...None.
Contractor...National Roofing Co., Plaza Bldg., Oakland.

COST, \$450

DWELLING

(104) E RANDOLPH AVE 255 S Hampel, Oakland. One-story 5-room dwelling.
Owner.....A. H. Faust, 3884 Brighton Ave., Oakland.
Architect...None.
Day's work.

COST, \$2350

BRICK GARAGE

(105) SW E-FOURTEENTH AND 20th Ave., Oakland. One-story brick garage.
Owner.....Joseph L. Petithomme, Premises.
Architect...None.
Day's work.

COST, \$3000

DWELLING

(106) E MANILA AVE 360 S 42nd, Oakland. One-story 5-room dwlg.
Owner.....Mrs. C. A. Crowder, 4139 Filbert, Oakland.
Architect...None.
Contractor...E. A. Kutz, No. 70 Encinal Apartments, Oakland.

COST, \$1800

DWELLING

(107) W PORTWOOD AVE 100 N E-8th, Oakland. One-story 4-room dwelling.
Owner.....August Govia, 718 23rd Ave., Oakland.
Architect...None.
Contractor...Louis Santos, 1820 E-12th, Oakland.

COST, \$800

DWELLING

(108) NO. 2242 HIGH, Oakland. One-story 5-room dwelling.
Owner.....W. A. De Sosa, 2929 Broadway, Oakland.
Architect...None.
Day's work.

COST, \$1500

DWELLING

(109) NW WALNUT AND LILAC, Oakland. One-story 6-room dwlg.
Owner.....Emma Coburn, 4417 Walnut Ave., Oakland.
Architect...None.
Contractor...O. G. Smith, 4411 Walnut Ave., Oakland.

COST, \$2000

DWELLING AND GARAGE

(111) SW ASHMOUNT AVE AND Mandana Blvd., being Lots 55 and 56 and part Lot 54 Map Crocker Highlands, Oakland. All work except heating system, hot water heater, wall coverings and tinting for two-story, attic and basement brick veneer dwelling and garage.
Owner.....H. H. Harrold and Madeleine Clay Harrold.
Architect...Sidney B. Newsom, Nevada Bank Bldg., S. F.
Contractor...Alfred Peterson, 1201 19th Oakland.

Filed Jan. 22, '15. Dated Jan. 19, '15.
Frame up\$3812.00
Rough plastered 3812.00
Completed and accepted..... 3812.00
Usual 35 days..... 3813.50
TOTAL COST, \$15,249.50
Bond, \$7625. Surety, Aetna Accident & Liability Co. Limit, 120 days. Forfeit, \$10. Plans and specifications filed

ALTERATIONS

(112) NO. 723 TENTH, Oakland. Alterations.
Owner.....H. Kessler, Premises.
Architect...None.
Contractor...I. Kessler, 1137 Linden, Oakland.

COST, \$500

REPAIRS

(113) NO. 1942 CHESTNUT, Oakland. Repairs.
Owner.....Ben Drochetz.
Architect...None.
Contractor...Geo. H. Lydiksen, 1244 29th Ave., Oakland.

COST, \$500

ADDITION

(114) NO. 1227 SEVENTH, Oakland. Add to brick garage.
Owner.....John J. May, 1225 Seventh, Oakland.
Architect...None.
Contractor...L. S. Barnet, 824 Isabella Oakland.

COST, \$1175

DWELLING

(115) S BROOKDALE 150 W Persimmon, Oakland. One-story four-room dwelling.

Owner.....Chas. Hudson, 757 Brooklyn Ave., Oakland.
Architect...None.
Day's work.

COST, \$1000

ALTERATIONS

(116, NO. 1728 BROADWAY, Oakland. Alter old City Hall annex to garage.
Owner.....Edoff Co.
Architect...Walter D. Reed, Oakland Bank of Savings Bldg., Oakland.
Day's work.

COST, \$5000

DRIVE NEW PILES, ETC.

(117) OAKLAND PIER, Oakland. Remove broken piles and drive new piles.
Owner.....Western Pacific Railway.
Architect...None.
Contractor...Hyde, Harjes & Co., 110 Market, San Francisco.
Filed Jan. 22, '15. Dated Jan. 19, '15.
Completed and accepted..... 75%
36 days after..... 25%
TOTAL COST, \$1295.70
Bond, \$650. Surety, Massachusetts Bonding & Insurance Co. Limit, 15 days. Forfeit, none. Specifications only filed.

Building Contracts Awarded. Berkeley.

No.	Owner	Contractor	Amt.
79	Bain	Bain	400
80	Zerwer	Zerwer	1200
82	Houghtaling	Welsh	1450
88	Union Invt	Owner	900
98	Grebs	Grebs	1000
99	Park	Buskirk	400
102	Dutra	Button	4200
110	Fairer	Osborn	400

ALTERATIONS

(79) E REGENT 150 N Russell, Berkeley. Alterations.
Owner.....Mrs. C. Bain, 2833 Regent, Berkeley.
Architect...None.
Day's work.

COST, \$400

DWELLING

(80) S TYLER 135 E Lowell, Berkeley. One-story 4-room dwelling.
Owner.....Fred Zerwer, 1717 Delaware, Berkeley.
Architect...None.
Day's work.

COST, \$1200

DWELLING

(82) W CALIFORNIA 410 N Fairview, Berkeley. One-story five-room dwelling.
Owner.....Ida S. Houghtaling, 1543 Fairview, Berkeley.
Architect...None.
Contractor...Welsh & Rogers, 3603 Kingsley and 1629 Grove, Oakland.

COST, \$1450

BRICK STORES

(88) W SAN PABLO AVE 150 S Dwight Way, Berkeley. One-story two-room brick stores.
Owner.....Union Investment Co., 2516 San Pablo Ave., Oakland.
Architect...None.
Day's work.

COST, \$900

DWELLING

(89) N FRANCISCO 70 E Grant, Berkeley. One-story 4-room dwelling.
Owner.....E. Grebs, 1212 Tamalpais Road, Berkeley.
Architect...None.
Day's work.

COST, \$1900

GARAGE
(99) E CLAREMONT 200 S Uplands, Berkeley. Garage.
Owner.....J. M. Park, Premises.
Architect...None.
Contractor...J. W. Buskirk, 3535 Meadow, Oakland.
COST, \$400

DWELLING
(102) W SPRUCE 150 S Cedar, Berkeley. Two-story 7-room dwelling.
Owner.....Frank J. Dutra.
Architect...James W. Plachek, Acheson Bldg., Berkeley.
Contractor...Frank Button, 1625 Shattuck Ave., Berkeley.
COST, \$4200

GARAGE
(110) NO. 2961 BENVENUE AVE., Berkeley. Garage.
Owner.....C. A. Fairer, Premises.
Architect...W. H. Ratcliff Jr., First National Bank Bldg., Bkly.
Contractor...A. Osborn, 1224 Spruce, Berkeley.
COST, \$400

Building Contracts Awarded

Alameda.

No.	Owner	Contractor	Amt.
95	Christensen	Owner	600
96	Heydenaber	Owner	900
97	Same	Same	900

ALTERATIONS
(95) NO. 1201 PARK, Alameda. Alterations.
Owner.....T. Christensen, Premises.
Architect...None.
Contractor...A. Christensen, Premises.
COST, \$600

DWELLING
(96) NO. 832 LINCOLN AVE, Alameda One-story 4-room dwelling.
Owner.....A. Heydenaber, Ross, Cal.
Architect...None.
Day's work.
COST, \$900

DWELLING
(97) NO. 830 LINCOLN AVE., Alameda One-story 4-room dwelling.
Owner.....A. Heydenaber, Ross, Cal.
Architect...None.
Day's work.
COST, \$900

COMPLETION NOTICES.

ALAMEDA COUNTY

Jan. 8, 1915—N WARD 60 E California E 30x90, Bkly. Reta M Madison to C Texdahl.....Dec. 31, 1914
Jan. 8, 1915—S FORTY-SECOND 35 E 40xS 88.50, Okd. E L Higgins to whom it may concern.....Jan. 8, 1915
Jan. 11, 1915—LOT 8 Map Morseland Heights, Okd. H L Small to whom it may concern.....Jan. 7, 1915
Jan. 11, 1915—NO. 3827 BEAUMONT Ave., Okd. James McGuinness to whom it may concern.....Jan. 11, 1915
Jan. 11, 1915—N BROOKDALE AVE 181.23 E Courtland Ave, being Lot 17 Blk 6, Brookdale Terrace, Okd. Robert Davies to O G Smith.....Jan. 9, 1915
Jan. 12, 1915—LOT 24 BLK "C" Map Kenwood Park, Okd. Lewis & Mitchell, Inc to O G Smith.....Completed
Jan. 12, 1915—LOT 25 BLK "C"

Westmoreland Park, Bkly. F B and Anna B Errington to United Home Bldrs.....Dec. 30, 1914
Jan. 12, 1915—LOT 1 Map Albany Terrace, Albany. Emma Westwood by Charles Westwood to Charles WestwoodJan. 11, 1915
Jan. 12, 1915—SE GREENBANK AND Rose Aves 45x102, Piedmont. W F Eschbacher to H P Nelson.....Jan. 4, '15
Jan. 13, 1915—PTN LOT 17 BLK "B" Southern Ptn of Blake Est, Bkly. Celia A White to F R Peake Co.....Jan. 2, 1915
Jan. 13, 1915—E NINTH 484.98 N Buena Vista Ave N 35xE 127, Ala. Mark T Cole to whom it may concern.....Jan. 11, 1915
Jan. 15, 1915—N 42 LOTS 7 AND 8 "Blk 21 Map Northbrae, Bkly. C E Sinclair to whom it may concern.....Jan. 14, 1915
Jan. 15, 1915—SE TELEGRAPH AND Durant Aves 90x110, Bkly. J A Elston and George Clark to A J Webb, Gaspard & Hammond, The Capitol Elec Co, W P Fuller & Co, C W Watts, D Zelinsky, Wm Makin A M Poulsen, Thomas H Price Co, Walter Mork and Oakland Mantel & Tile Co.....Dec. 13, 1914
Jan. 16, 1915—SE TWENTY-FIFTH and Grove S 60xE 90, Okd. St. George Hall Ass'n to Charles TrowJan. 15, 1915
Jan. 18, 1915—LOT 9 Map Dimond Vista, Oakland. Paul E Woodburn to whom it may concern.....Jan. 16, '15
Jan. 18, 1915—NW OXFORD AND Eunice, Bkly. Caroline M Snell to Porter Bros.....Jan. 18, 1915
Jan. 18, 1915—LOT 12 BLK "C" Grand Ave Heights, Okd. W P Rhode to G B Hollenbeck.....Jan. 14, 1915
Jan. 18, 1915—SW MONTGOMERY and Ridgeway Ave, Okd. Ada E McWilliams to R A McWilliams.....Jan. 16, 1915
Jan. 18, 1915—S 20 LOT 4 BLK 1 Map Thermall Hill and N 20 Lot 3 Blk 9, Plan of Howe Tract, Okd. August Schwall to M E Hopper & Sons.....Jan. 2, 1915
Jan. 19, 1915—W CASTRO (if extended S) 80 S First W 456.03 S 300, Okd. Pacific Gas & Electric Co to Schaw, Batcher Pipe Works.....Jan. 13, 1915
Jan. 19, 1915—LOT 27 Redwood Glen Tract, Okd. A M Werum by A F Werum to W C Brown.....Jan. 19, 1915
Jan. 19, 1915—W GRANT 93 S Berkeley Way S 32 E 95.40 N 32.02 W to pt beg, Bkly. E A Janssen by J W Saba to whom it may concern.....Jan. 11, 1915
Jan. 19, 1915—N PARKER 80 W McGee Ave W 40xN 100, Bkly. Gustaf Johanson to whom it may concern.....Jan. 18, 1915
Jan. 19, 1915—S WENTWORTH AVE 160 W Fairfax Ave W 41.17 SW 115 SE 81.08 NE 143.40, Okd. G W and Belle Adamson to whom it may concern.....Jan. 18, 1915
Jan. 19, 1915—N BROOKDALE AVE 84.24 W Renwick, being Lot 15 Blk 2, Brookdale Terrace, Okd. J E Settles and Robert Davies to R E Moore.....Dec. 16, 1914
Jan. 20, 1915—W WEBSTER 356 N 14th N 150xW 150, Okd. Y W C A to D B Farquharson.....Jan. 15, 1915
Jan. 20, 1915—SE LAKE AVE and NE Nace SE 108.93 NE 115 NW 108.79 SW 115, Piedmont. Rosalie S Hewitt to W M Greuner.....Jan. 12, 1915

Jan. 20, 1915—W DUTTON AVE 150 S Bancroft, San Leandro. G S and Ruth Tarbell Strout to Edwin C Graff.....Jan. 18, 1915
Jan. 20, 1915—LOTS 1 AND 2 BLK N East Piedmont Heights being NE Calmar and Paloma Aves E 124.13 N 123.99 W 102.27 S 123, Okd. Mrs A F Alberger to J C Nielsen.....Jan. 9, 1915
Jan. 20, 1915—E TELEGRAPH AVE and W Broadway N 108.83 NW 36.86 S 104 SE 8.70, Okd. Federal Realty Co to Rudgear Merle Co.....Dec. 23, 1914
Jan. 21, 1915—LOT 1 BLK 18 Claremont Park, Bkly. E A Nickerson to W Sorensen.....Jan. 20, 1915
Jan. 21, 1915—LOTS 7 AND 8 Blake Tract No. 3, Bkly. Frank M Wilson and John Muldoon to The Berkeley Cornice Works.....Dec. 29, 1914
Jan. 21, 1915—LOT 1 BLK 18 Claremont Park, Bkly. E A Nickerson to D Zelinsky.....Jan. 20, 1915

LIENS FILED.

ALAMEDA COUNTY.

Jan. 11, 1915—NE TAYLOR AVE & Caroline E 53-9xN 122.24, Alameda Frank Vigno Co vs Clara T Hessman and — Mitchell.....\$130
Jan. 11, 1915—E NORTHSIDE AVE 281 N Hopkins, Bkly. Frank K Cann vs C A & Honora Doyle...\$11.58
Jan. 9, 1915—LOT 20 BLK "C" Map Oakland Highlands, Okd. John A Johnson vs Cyril A Legris and J A Pilliod\$62
Jan. 12, 1915—E CAROLINE 36 N Taylor Ave N 30xE 53-9, Alameda. Frank Vignolo vs Clara T Hessman and — Mitchell\$130
Jan. 12, 1915—LOT 20 BLK "C" Map Oakland Highlands, Okd. O B Lawrence vs Cyril A Legris and J A Pilliod.....\$55
Jan. 13, 1915—SE LAUREL AVE 50 SW Kansas SW 50xSE 125, Okd. E L Blackman Co vs John Iverson and E M Williamson.....\$239.10
Jan. 13, 1915—LOT 22 Map Ridge-wood, Okd. A Dalgleish vs Ferdin- and Erpf and H H Weider...\$54.50
Jan. 18, 1915—LOT 20 BLK "C" Map Oakland Highlands, Okd. Panama Lumber & Mill Co vs Cyril A Legris and J A Pilliod\$382.78
Jan. 19, 1915—S CENTRAL AVE 100 W Palm W 145xS 300, Ala. E K Wood Lumber Co vs Alameda Venice & Swimming Baths. F N Dodd, Wm R Geary, A P Johnson and Harold Everhard.....\$843.17
Jan. 20, 1915—LOT 8 BLK "E" Map Berkeley Hmd, Bkly. F W Foss Co vs H F J Sattin, Kate and L W Forester & Annie Forester Barron\$280.58
Jan. 21, 1915—SW BUENA VISTA Ave and Hibbart W 35xS 100, Ala. Herman H Bergfeld vs T B Henry\$75
Jan. 22, 1915—LOT 4 BLK 9 Map Claremont, Bkly. Bay City Bldg Co vs J C and Helena Catherine Rowman\$5256

RELEASE OF LIENS

ALAMEDA COUNTY.

Jan. 8, 1915—E FRANKLIN 256 N 14th N 65xE 150, Okd. Atlas Mortar Co to T S Williams.....\$71.50
Jan. 11, 1915—S THIRTY-NINTH

280.70 W Market W 40 S 116.97 NE
41.65 N 105.35, Okd. Sunset Lumber
Co to Dilly Ahtye et al.....\$585.93
Jan. 12, 1915—SE 1/2 LOT 30 BLK 16
Map Blvd Park, Okd. L E Dobon,
\$54.40; The California Door Co,
\$137.55; George C Ambrose, \$14.80;
G H Andrews, \$37.30; M Soares &
Co by M J Fernandes, \$207.50;
Rhodes Jamieson & Co (1) \$54.25,
(2) \$70.50; R F Long, \$115 to Ada
F Simpson and O M Bullock.....
Jan. 18, 1915—SE LAUREL AVE 50
SW Kansas SW 50xSE 125, Okd.
E L Blackman Co to John Iverson
and E M Williamson.....\$239.10

SAN JOSE AND THE SANTA CLARA VALLEY.

RESIDENCE ALTERATIONS—frame. Cost not stated. Redwood City, San Mateo Co., Cal. Architect, Houghton Sawyer, Shreve Bldg., S. F. Owner, Mr. Heller. This work will be done at the country home of Mr. Heller and will include concrete work, carpentry, plumbing, electric work, painting and plastering. Plans are complete and figures are being taken.

PARISH HOUSE—2 story and base, frame, \$10,000. Colma, San Mateo Co., Cal. Architect, John J. Foley, 46 Kearny street, S. F. Owner, Rev. Father M. Clifford. The house will be erected on property adjoining the church and has been designed to contain fourteen rooms, three baths and a large hall. Interior finish will be of pine and redwood. Hardwood floors will be used in the living room, study and dining room. Plans provide for steam heat and open fire places. Mantels will be of tile and brick. Bath rooms will be finished in tile. A hot water circulating system will also be installed. Exterior of the dwelling will be covered with shiplap and cement plaster on metal lath. Plans are now being prepared.

BUNGALOW—1 1/2 story and base, frame, \$2,500. San Jose, Santa Clara Co., Cal. Architect, none. Owner, S. G. Pelton, 445 South 3rd street, San Jose. The dwelling has been designed for a six-room house with bath and sleeping porch and will be erected on South 8th street near Martha. Interior finish will be of pine and redwood. Some hardwood floors will be used. There will be a large open fire place in the living room with a brick mantel. Bath room will have tile wainscot. Exterior of the house will be covered with rustic and cement plaster on metal lath. Plans are complete and the work will be done by Day Labor.

BUNGALOW—1 1/2 story and base, frame, \$2,000. San Jose, Santa Clara Co., Cal. Architect, none. Owner, Frank Peres, 680 South Ninth street, San Jose. The dwelling has been designed for a six-room house with bath. Interior finish will be of pine and redwood. Hardwood floors will be used in the living and dining room. There will be an open fire place and tile or brick mantel. Tile wainscot will be used in the bath room and kitchen. Exterior of the house will be covered with cement plaster on metal lath. Plans are complete and the work will be done by Day Labor.

BUILDING CONTRACTS

SANTA CLARA COUNTY.

COTTAGE
S-EIGHTH near Martha, San Jose. Six room cottage.
Owner.....S. G. Pelton, 445 S-3rd St., San Jose.
Architect...None.
Day's work. COST, \$2500

COTTAGE
NO. 680 S-NINTH ST., San Jose. Five-room cottage.
Owner.....Frank Peres, Premises.
Architect...None.
Day's work. COST, \$2000

STUDIO
FOURTEENTH & WASHINGTON STS., San Jose. Studio.
Owner.....W. E. Woodhams, Ryland Bldg., San Jose.
Architect...None.
Day's work. COST, \$850

COTTAGE
NO. 312 W-SAN SALVADOR, San Jose. Three-room cottage.
Owner.....T. A. Turner, Premises.
Architect...None.
Day's work. COST, \$600

ADDITION
NO. 513 W-WILLIAM ST., San Jose. Addition.
Owner.....Mrs. A. Kollar, Premises.
Architect...None.
Day's work. COST, \$400

BUILDING CONTRACTS.

SAN MATEO COUNTY.

FRAME STORE AND RESIDENCE
LOT 43 BLK 3, Crocker Estate Tract, Daly City. All work for one-story frame store with residence.
Owner.....Morris Wolfe and Wm. Weiss, Daly City.
Designer...R. M. Carlyon, S. F.
Contractor...L. Muderick.
Filed Jan. 20, '15. Dated Jan. 12, '15.
As materials are furnished and work completed.....

TOTAL COST, \$1130
Bond, \$565. Surety, S. Steinberg. Limit, 60 days (extension of 14 days). Forfeit, none. Plans and specifications filed.

SECOND SECTION OF GARDEN
HILLSBORO, "Carolands." All work for second section of garden.
Owner.....Harriett Pullman Carolon, Hillsboro.

Architect...Willis Polk & Co., Hobart Bldg., S. F. & A. Duchene, Paris, France.
Contractor...Clinton Fireproofing Co., Mutual Bank Bldg., S. F.
Filed Jan. 9, '15. Dated Dec. 14, '15.

As work progresses..... 75%
Usual 35 days..... 25%
TOTAL COST, \$10,663
Bond, \$5350. Sureties, L. A. Norris and W. B. Blinker. Limit, Feb. 1, 1915. Forfeit, \$10 per day. Plans and specifications filed.

MOVING HOUSE, ETC.
BERESFORD. Moving former professionals' house and building Club House motor shed.
Owner.....The Beresford Country Club, Beresford.

Architect...Sylvain Schnaittacher, 233 Post, San Francisco.
Contractor...Donnelly & Waller, Redwood City.
Filed Jan. 20, '15. Dated Jan. 16, '15.
All work completed.....\$1125
Usual 35 days..... 375
TOTAL COST, \$1500
Bond, \$750. Surety, American Surety Co. of New York. Limit, 25 days. Forfeit, \$10 per day. Plans and specifications filed.

COMPLETION NOTICES

SAN MATEO COUNTY.

RECORDED	ACCEPTED
Jan. 9, 1915—LOT 12 BLK 117, South San Francisco Plot No. 1. Henry Scampini to Ed Jorgensen.....	Jan. 1, 1915
Jan. 11, 1915—LOT 11 BLK 35 Easton Addition to Burlingame No. 2. Mary Ward to Thompson & Doyal.....	Jan. 1, 1915
Jan. 13, 1915—BAYWOOD AVE., Hillsborough. Henry Dernham to James T Johnson, John E Branagh and Thos A Cuthbertson.....	Jan. 7, 1915
Jan. 13, 1915—BELLEVUE AVE in Town of Hillsborough. Mrs H S Kiersted to Monson Bros.....	Jan. 4, '15
Jan. 19, 1915—LOT 19 BLK 44 Easton Addition to Burlingame. Alma D and Wm S Wollner to Ruegg Bros.....	Jan. 12, 1915
Jan. 20, 1915—LOT 4 VALPARAISO Park Tract, Menlo Park. Academy of the Sacred Heart to Martin Peterson.....	Jan. 14, 1915

LIENS FILED

SAN MATEO COUNTY.

RECORDED	AMOUNT
Jan. 16, 1915—LOT 31 BLK 6, Crocker Estate Tract Sub No. 1, Daly City. A L Stockton Lumber Co vs J F Boulhard.....	\$110.77

RELEASE OF LIENS

SAN MATEO COUNTY.

RECORDED	AMOUNT
Jan. 14, 1915—LOT 4 BLK 2 Map of Redwood Highlands. J H Bailey to Laura McCann Bennett and Wm P Bennett.....	\$305.10

MARIN, CONTRA COSTA AND SONOMA COUNTIES.

CHANGE OF GRADES—Cost not stated. Vallejo, Solano Co., Cal. Engineer, City Engineer, Vallejo. Owners, City of Vallejo. A resolution of intention for the change of grades of the following streets on which City Engineer Thompson has been working has been submitted to the City Council and will be adopted shortly: Alabama, from Sacramento to Napa road; Tennessee, from Sacramento to El Dorado; Indiana, from Sacramento to Napa road; Illinois, from Sacramento to Napa street; Marin, from Alabama to Illinois; Sonoma, from Alabama to Illinois; Sutter, from Carolina to Arkansas; Napa, from Capitol to Illinois; El Dorado, from Capitol to Tennessee; Branciforte, from Virginia to Tennessee; Santa Clara, from Carolina to Tennessee; Florida, from Trinity to Santa Clara.

DREDGING—Cost not stated. Richmond, Contra Costa Co., Cal. Engineer, City Engineer Chapman, Richmond. Owners, City of Richmond. Three bids are received by the City Council for dredging of the south channel of the San Pablo Canal. The bidders are as follows: San Francisco Bridge Co., dredge to a six-foot depth for 28 cents per cubic yard and for dredging to a seven-foot depth 22 cents per cubic yard. Standard American Dredging Company, dredging for 14½ cents per cubic yard to a seven-foot depth. Richmond Dredging Company to a depth of six feet 12½ cents per cubic yard and 9½ cents to a depth of seven feet. All bids were referred to City Engineer Chapman who will submit a report on all bids at the next meeting of the Council.

HOSPITAL—1 story, frame. Cost not stated. Richmond, Contra Costa Co., Cal. Architect, none. Owners, Standard Oil Co., S. F. Reports from Richmond state that the Standard Oil Company will erect a first aid hospital at their plant. Work will commence immediately on the structure and will be completed in about three months. The site selected for the building is on the town front of the present building. Special hospital equipment will be installed.

SCHOOL—2 story and base, brick and concrete. Cost not stated. Dixon, Plano Co., Cal. Architect, Henry C. Smith, Humboldt Bank Bldg., S. F. Owners, Dixon Union High School District. All bids received for the construction of this building have been rejected and new figures will be called for shortly.

SCHOOL—2 story and base, brick and concrete. Cost not stated. Rio Vista, Solano Co., Cal. Architect, Henry C. Smith, Humboldt Bank Bldg., S. F. Owners, Rio Vista Joint Union High School District. Figures received some time ago for this work have been rejected. Boyd, Kerr & McLean were on the work and were officially awarded the contract but have withdrawn at the request of the trustees. New figures are now being taken and will be opened on February 5th at 3 p. m.

BUILDING CONTRACTS

MARIN COUNTY.

ALTERATIONS
RAFANEL, Marin Co. All work for alterations and additions.
 Owner.....E. Ciocca.
 Architect...L. Mastropasqua, Columbus Savings Bank, S. F.
 Contractor...J. A. Kappenman, San Rafael.

Filed Jan. 15, '15. Dated Jan. 11, '15.
 As work progresses..... 75%
 Usual 35 days..... 25%
TOTAL COST, \$1500
 Bond, none. Limit, 30 working days.
 Forfeit, none. Plans and specifications filed.

COMPLETION NOTICES.

MARIN COUNTY.

RECORDED **ACCEPTED**
 Jan. 18, 1915—**SAN ANSELMO**, Marin Co. Trustees of San Anselmo School District to L. A. Rose....Jan. 10, 1915
 Jan. 19, 1915—**MOUND TRACT**, San

Rafael. Elvira Nelson to whom it may concern.....Jan. 18, 1915
 Jan. 22, 1915—**SAN RAFAEL**. M J Curtin to J B Faggiano.Jan. 22, 1915

COMPLETION NOTICES

CONTRA COSTA COUNTY.

RECORDED **ACCEPTED**
 Jan. 16, 1915—**LOTS 8 AND 9 BLK 25**, City of Richmond. F A and Edward Golds to M B Roberts....Jan. 15, 1915

FRESNO, MODESTO STANISLAUS AND CENTRAL CALIFORNIA.

STEEL PIPE—Cost not stated. Fresno, Fresno Co., Cal. Engineer, City Engineer, Fresno. Owners, City of Fresno. Bids are now being taken for furnishing the city of Fresno with a considerable amount of lap-welded steel pipe and cast iron fittings. Bids will be opened on January 27th. Full particulars can be secured by addressing the City Clerk or City Engineer.

CENTRIFUGAL PUMP—Cost not stated. Fresno, Fresno, Fresno Co., Cal. Engineer, City Engineer, Fresno. Owners, City of Fresno. Bids will be opened on January 27th for furnishing and installing one four-inch centrifugal pump with motor. Plans and specifications can be secured from the City Engineer.

BRIDGE—Reinforced concrete. Cost not stated. Fresno, Fresno Co., Cal. Engineer, City Engineer of Fresno. Owners, City of Fresno. The bridge will be erected over Dry Creek on Coast avenue. Plans are complete and figures are now being taken. Bids will be opened on February 1st. Plans and complete information can be secured from the City Engineer.

HOSPITAL AND GARAGE—1 story and base, brick, \$5,000. Fresno, Fresno Co., Cal. Engineer, Cronkite, Fresno. Owners, City of Fresno. The building will be erected in the rear of the City Hall and has been designed for an emergency hospital and garage. The hospital will contain four rooms and the office. Interior finish will be of pine and redwood. Special hospital plumbing will be used. Exterior of the building will be faced with stock brick. Plans are being prepared.

BUILDING CONTRACTS

FRESNO COUNTY.

HEATING & VENTILATING SYSTEM
BLOCK 29, Hazelwood Tract, Fresno.
 All work for installing heating and ventilating system in school.
 Owner.....Fresno City School District Fresno.

Architect...Coates & Traver, Fresno.
 Contractor...Kutner-Goldstein Co., Fresno.

Filed Jan. 20, '15. Dated Jan. 6, '15.
 Boilers, motors, heaters and water tanks in\$1600
 Fans, air washer & oil tanks in 1600
 When completed 1600
 Usual 35 days..... 1600
TOTAL COST, \$6400

Bond, \$3200. Sureties, E. E. Manheim and L. M. Mendelsohn. Limit, 206 calendar days. Forfeit, \$20 per day. Plans and specifications filed.

HEATING & VENTILATING SYSTEM
BLOCK 8, Lisenby Tract, Fresno. All work for installing heating and ventilating system in school.
 Owner.....Fresno City School District Fresno.

Architect...Coates & Traver, Fresno.
 Contractor...Robert Dalziel, 218 1st St., San Francisco.

Filed Jan. 20, '15. Dated Jan. 13, '15.
 Boiler, fan and motors, air washer vents, oil tank and ducts in....\$2000
 When completed 1111
 Usual 35 days..... 1037

TOTAL COST, \$4148

Bond, none. Limit, 100 working days. Forfeit, \$20 per day. Plans and specifications filed.

SACRAMENTO, STOCKTON AND NORTHERN CALIFORNIA.

FLATS—2 story and base, frame, \$6,000. Sacramento, Cal. Architect, none. Owner, W. D. McKoy, 3029 E street, Sacramento. The building will be erected on H street between 23rd and 24th streets, and has been designed to contain four modern flats of four rooms each. Interior finish will be of pine and redwood with some elm panels. Hardwood floors will be used in the living and dining rooms. There will be a central heating system. Each living room will have an open fire place and tile or brick mantel. Bath rooms will have tile wainscot and composition floors. Exterior of the building will be covered with rustic and cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor. Materials are now being purchased.

RAILROAD RECONSTRUCTION—Cost not stated. Castella, Shasta Co., Cal. Engineer, none. Owners, Burns, Lumber Co., Castella. The Burns Lumber Company, which has a narrow gauge railroad extending into the woods nearly to the Trinity County line, has decided to broad gauge the entire line, which, with branches, is about thirty miles in length.

THEATRE—2 story and base. Class C construction. Cost not stated. Sacramento, Cal. Architect, A. W. Cornelius, Merchants' National Bank Bldg., S. F. Owners, Turner & Dahnen Circuit, 942 Market street, S. F. The plans of Turner & Dahnen to erect a \$100,000 theatre building adjoining the Pacific Gas and Electric Building on K street have been halted by Building Inspector W. B. Rohl, when he refused to issue a permit for the new structure. Rohl refuses to issue a permit for erection until the plans have been revised, as he states that the building according to the present plans is a fire-trap. Rohl states that the building must be absolutely fireproof according to the city ordinances. The owners of the proposed building have been notified that their plans will remain at a standstill until the necessary revisions are made on the plans.

BUILDING CONTRACTS

SACRAMENTO COUNTY.

FLAT BUILDING
NOS. 2312-2314 H ST., on E ½ Lot 2, H, 1, 23rd and 24th Sts., Sacramento. Four flat building.

Owner.....W. D. McKay, 3029 E St.,
Sacramento.
Architect...None.
Day's work. COST, \$6000

ADDITION
NO. 1010 TENTH ST., on ptn Lot 4, J, K, 9th and 10th Sts., Sacramento. Build an additional story on store and tenement house making 6 apartments, 22 rooms, 2 stores.
Owner.....Marie Bellmer et al, 2921 I St., Sacramento.
Architect...None.
Contractor...Theiber & Bender, North Sacramento.
COST, \$5000

RESIDENCE
FIRST AVE., bet. 21st and 24th on Lot 15 West Curtis Oaks, Sacramento. Two-story 8-room residence.
Owner.....Alta Rowe, 3116 4th Ave., Sacramento.
Architect...None.
Contractor...R. H. Ruiter, 2715 2nd Ave., Sacramento.
Filed Jan. 16, '15. Dated Jan. 14, '15.
COST, \$3500

REMODEL
NO. 225 J ST., on N 60 feet of W 20 feet Lot 5, I, J, 2nd and 3rd Sts., Sacramento. Remodel and improve brick store.
Owner.....Chas. Calcum, Mills Station Sacramento.
Architect...None.
Contractor...F. A. Stanford Foule, 422 Ochsner Bldg., Sacramento
COST, \$600

FRAME RESIDENCE
NO. 912 THIRTIETH ST., on S ¼ Lot 4, I, J, 29th and 30th Sts., Sacramento. One-story 6-room frame residence.
Owner.....Emigh Winchell Hardware Co., 310 J St., Sacramento.
Architect...None.
Contractor...Harry Goldman, 926 6th St., Sacramento.
COST, \$2000

WAREHOUSE AND STABLE
NO. 316 W ST., on W ½ of Lot 3, W, X, 3rd and 4th Sts., Sacramento. One-story frame warehouse and stable.
Owner.....G. Costa.
Architect...None.
Contractor...D. Tatti, 2116 O St., Sacramento.
COST, \$900

GARAGE, ETC.
NO. 1707 D ST., on E 27 feet of S 80 feet of Lot 8, C. D. 17th and 18th Sts., Sacramento. Build rear porch on residence and one-story frame private garage.
Owner.....S. B. Coon, 417 15th St., Sacramento.
Architect...None.
Contractor...T. Johnson, 2921 W St., Sacramento.
COST, \$200

RESIDENCE
WALNUT AVE, Lot 4, Pleasant View Tract, Sacramento. Five-room residence.
Owner.....W. F. Tovelie, 2814 P St., Sacramento.
Architect...None.
Contractor...W. Davis, 3634 Park Ave., Sacramento.
COST, \$1800

REPAIR RESIDENCE
NO. 2605 K ST., on E ½ of S ½ of Lot 8, J, K, 26th and 27th Sts., Sacramento. Repair fire damage to residence.
Owner.....E. S. Austin, Merrium Apartments, Sacramento.
Architect...None.
Contractor...John M. E. Morrill, 3009 Yale, Sacramento.
COST, \$3000

LOS ANGELES AND SOUTHERN CALIFORNIA.

PACKING HOUSE—2 story and base, reinforced concrete. Cost not stated. Fontana, Cal. Architect, William Curlett & Son, Title Insurance Bldg., L. A. Owners, Torrance-Marshall Co. The building will be 80 by 100 feet and entirely of reinforced concrete construction with steel roof trusses and concrete roof slabs. The Llewellyn Iron Works has the contract for the structural steel work, and the Southern California Hardware and Steel Co. the contract for the reinforcing steel. Plans are also being prepared for a number of concrete residences, freight and passenger depots, and business buildings to be erected for the same company.

STREET PAVING—Cost not stated. Huntington Beach, Orange Co., Cal. Engineer, City Engineer, Huntington Beach. Owners, Town of Huntington Beach. Preparations are now under way to pave Main street and Seventeenth street to the city limits, a total of three and one-half miles. The City Engineer will be directed to make the necessary preparations to have the work done.

WAREHOUSE—4 story and base, reinforced concrete, \$100,000. Los Angeles. Architect, W. J. Dodd, Marsh-Strong Bldg., L. A. Owners, H. R. Boynton Co. The building will be erected on Bay street and will cover a large ground area. Construction will be fireproof with reinforced concrete walls, floors and roof slabs. Metal window frames and sash and fireproof doors are specified. No interior finish will be used except in the front portion of the building, which will be used for offices. Plans provide for steam heat, elevators, modern plumbing. Exterior of the building will be faced with cement plaster. Plans are now being prepared.

LIBRARY—1 story and base, brick and steel, \$35,000. Los Angeles, Cal. Architects, Kysor & Biggar, Wright and Callender Bldg., L. A. Owners, City of Los Angeles. The building will be erected at the corner of Central avenue and 54th street, covering an area of 48 feet by 100 feet. The design is in the classic style. There will be two main reading rooms, stack room, office for the attendants and a lecture hall in the basement. Interior will be finished in pine and hardwood with maple floors. Metal book stacks are specified. Plans provide for modern plumbing and a plenum system of heating. Exterior of the building will be faced with ruffled brick trimmed with artificial stone. Plans are complete and figures are being taken. Bids will be opened on February 2nd. Separate figures are being taken for the general contract, heating and ventilating, plumbing and electric work.

SCHOOL—2 story and base. Class C

construction, \$100,000. Los Angeles, Cal. Architect, Charles H. Russell Story Bldg., L. A. Owners, City of Los Angeles. The building will be erected at the corner of Ivy and 14th street and will cover a large ground area. Plans will be arranged for a total of 36 class rooms, but the first unit to be erected will contain but 20 rooms. The completed building will cost \$175,000. The building has been designed in the shape of the letter U. Interior finish will be of pine with maple floors in the class rooms. Plans provide for steam heat, modern school plumbing, vacuum cleaning and program clocks. Exterior will be faced with pressed brick. Plans are now being prepared.

SCHOOL—2 story and base, brick, \$75,000. Los Angeles, Cal. Architects, Morgan, Walls & Morgan, Van Nuy Bldg., L. A. Owners, City of Los Angeles. The building will be erected on East Seventh street near Mateo street and has been designed to contain sixteen class rooms and a large auditorium. Interior will be finished in pine with maple floors in the class rooms. Plans provide for steam heat, modern school plumbing, vacuum cleaning system and program clocks. Exterior will be faced with pressed brick trimmed with terra cotta. Plans are now being prepared.

SCHOOL—1 and 2 story and base, fireproof construction, \$135,000. Redondo Beach, Los Angeles Co., Cal. Architect, A. Burnside Sturges, Stor Bldg., L. A. Owners, Redondo Beach City High School District. The architect has just been commissioned to prepare these plans and details of the construction, size of the building, and general description cannot be given at this time. Further mention will be made of the work.

SCHOOL—1 story and base, hollow tile construction, \$50,000. Los Angeles, Cal. Architect, Robert M. Taylor Marsh-Strong Bldg., L. A. Owners, Cienega School District. The building will be erected at the corner of 17th and Coleta streets, covering an area of 150 by 171 feet. Interior has been arranged for eight class rooms, auditorium, library, departments of manual training and domestic science. Interior finish will be of pine with maple floor in the class rooms. Plans provide for steam heat, a vacuum cleaning system, program clocks and modern school plumbing. Exterior of the building will be faced with cement plaster. Plans are complete and out for figures. Bids will be opened on February 6th. Plans and specifications can be secured from the architect.

MAUSOLEUM—1 story, reinforced concrete and granite, \$60,000. Ontario, San Bernardino Co., Cal. Architect, name not given. Owners, Granite Mausoleum Co., L. A. The building will be erected in Bellevue Cemetery, and has been designed in the classic style. The building will cover an area of 3 by 119 feet and will be 25 feet high. Interior will be finished in marble and ornamental bronze. Art glass windows will be installed. Exterior of the building will be faced with granite. Plans are complete and in the hands of the owners.

EXPERIMENTAL STATION—Brick and concrete, \$200,000. Riverside, Riverside Co., Cal. Architect, Lester H. Hibbard, Marsh-Strong Bldg., L. A. Owners, Regents of the University of

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California. The sum of \$200,000 was appropriated by the State legislature for the building and site. About \$125,000 will be expended upon the buildings. Only preliminary plans have been prepared.

SCHOOL AND CHAPEL AND PARISH HOUSE—2 story and base, frame. Cost not stated. Los Angeles, Cal. Architect, Edward J. Borgmeyer, Stimson Bldg., L. A. Owners, Roman Catholic Church, Father Ford, pastor, L. A. The building will be erected on Manhattan Place between 2nd and 3rd streets. The school will contain six class rooms and a chapel seating 400 people. Interior of the school and chapel will be finished in pine throughout. The parish house will be finished in pine and hardwoods with hardwood floors. There will be furnace heat and open fire places. Bath rooms will have tile wainscot and composition floors. Exterior of both buildings will be covered with cement plaster on metal lath. Plans are being prepared and figures will be called for shortly.

Contracts Awarded.

SCHOOL—1 story and base, hollow tile construction, \$24,966. Compton, Los Angeles Co., Cal. Architects, Tuttle & Angel, Delta Bldg., L. A. Owners, Compton Union High School District. Contractors, Lepper & Laisy, Builders' Exchange, L. A. Contract price, \$24,966.

BREWERY ADDITION—1 story and base, reinforced concrete, \$19,100. Los Angeles, Cal. Architects, Mayberry & Parker, Pacific Electric Bldg., L. A. Owners, Los Angeles Brewing Co. Contractors, National Fireproofing Co., Central Bldg., L. A. Contract price, \$19,100.

PORTLAND AND OREGON

GRAIN ELEVATOR—Reinforced concrete and steel, \$500,000. Portland, Ore. Engineer, G. B. Hegardt, Portland. Owners, City of Portland. At a meeting of the Commission of Public Docks a decision was reached whereby the City Council will be requested to submit a proposed bond issue in the form of a charter amendment at the next election for the purpose of erecting a large grain elevator. The proposed structure will cost \$500,000. Together with the cost of the site and appurtenances \$900,000 will be required to complete the project.

SEATTLE AND WASHINGTON

STREET PAVING AND LIGHTING—\$235,000. Seattle, Wash. Engineer, City Engineer, A. H. Dimock, Seattle. Owners, City of Seattle. Plans have been completed by the City Engineer for the paving and installation of cluster lights on 10th avenue et al. at a cost of about \$235,000, and bids will be called for in the near future. This will be the largest street paving contract let in the last eight months.

DIKING—\$350,000. Tacoma, Wash. Engineer, D. B. Roben, Tacoma. Owners, Hylebos Creek Protection District. Field work has been started for the proposed Hylebos Creek diking work to cost \$350,000 on the tide flats here and plans will be ready for figures about March 1st. The proposed channel will be 2½ miles long and 200 feet wide. Dike and bulkheads will be built along both sides of the channel

and tide flats filled. Chester Thorne is chairman of the Diking Commission, John Buffelman is secretary and L. A. Nichol森 is engineer.

SCHOOL—1 story and base, reinforced concrete, \$47,000. Seattle, Wash. Architect, W. W. Hastings, Commerce Bldg., Seattle. Owners, City of Seattle. The building will contain eight class rooms, a large assembly hall and teachers' rooms. The interior will be finished in pine with maple floors in the class rooms. A central heating system, probably steam heat will be installed. Plans provide for modern school plumbing and ventilating. Exterior of the building will be faced with cement plaster. Plans are now being prepared and further mention will be made of the work when plans are ready for figures.

APARTMENT HOUSE—4 story and base, brick and steel, \$105,000. Seattle, Wash. Architect, J. O. Taft, 2334 10th avenue, North Seattle. Owners, Modern Woodmen of the World. The building will be erected at the southeast corner of Pine and Minor streets, and will be erected for investment purposes. There will be five stores on the Minor street frontage. Upper floors will contain a total of 72 suites of two and three room apartments. Interior finish will be of pine and redwood. Hardwood floors will be used in the living rooms and halls. Plans provide for steam heat, elevator service, a hot water system and vacuum cleaning. All suites will have private bath rooms and wall beds. Bath rooms will have tile floors and wainscot. Entrance will be finished in marble and

Williamson's Continuous Clothes Line Outfit

Clothes Line Problem Solved At Last

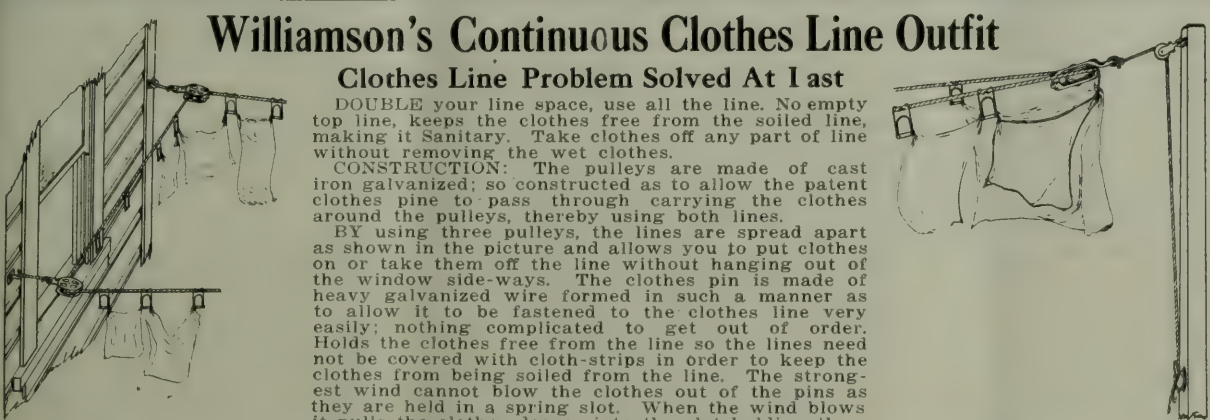
DOUBLE your line space, use all the line. No empty top line, keeps the clothes free from the soiled line, making it Sanitary. Take clothes off any part of line without removing the wet clothes.

CONSTRUCTION: The pulleys are made of cast iron galvanized; so constructed as to allow the patent clothes line to pass through carrying the clothes around the pulleys, thereby using both lines.

BY using three pulleys, the lines are spread apart as shown in the picture and allows you to put clothes on or take them off the line without hanging out of the window side-ways. The clothes pin is made of heavy galvanized wire formed in such a manner as to allow it to be fastened to the clothes line very easily; nothing complicated to get out of order. Holds the clothes free from the line so the lines need not be covered with cloth-strips in order to keep the clothes from being soiled from the line. The strongest wind cannot blow the clothes out of the pins as they are held in a spring slot. When the wind blows it pulls the clothes deeper into the slot holding them tighter.

NO SPRINGS TO PRESS OR SQUEEZE to get the clothes in or out. Just slip clothes in slot and pull down. WILL hold the daintiest fabrics or the heaviest blanket. 1340 Mission St. Phone Mkt. 4008.

THIS OUTFIT CONSISTS OF 3 DOZEN Sanitary, Stronghold, Clothes Pins, 3 Continuous Clothes Line Pulleys and 1 Pair Line Splicers. Price, \$2.00 per Set.



tile. Exterior of the building will be faced with pressed brick trimmed with terra cotta. Plans are nearly complete and figures will be called for by February 15th.

Contracts Awarded.

APARTMENT HOUSE—5 story and base, reinforced concrete, \$85,000. Seattle, Wash. Architects, Bebb & Gould, Denny Bldg., Seattle. Owners, Fischer Building Co. Contractors, W. T. Butler Contracting Co., Central Bldg., Seattle. Contract price, \$85,000. Note: This building will be in the nature of an addition to the present Fischer Building on 3rd avenue between Pike and Pine streets.

STORES AND LOFTS—2 story and base, brick and frame, \$50,000, Seattle, Wash. Architect, Carl Siebrand, Arcade Bldg., Seattle. Owners, Northern Life Insurance Co. Contractor, Neil MacDonald, Northern Bank Bldg., Seattle. Contract price, \$50,000.

CONSTRUCTION WORK ABROAD.

BOLIVIA.

[American Minister John D. O'Rear, La Paz, Nov. 3.]

Electrical Tramway Planned.

The representation from the Department of La Paz to the Chamber of Deputies has submitted to the consideration of that body a project of law for the construction of an electrical tramway from the city of La Paz to the Yungas Districts of this Department. This project has been reported on favorably by the Committees on Highways and Finance, and it is almost a certainty that it will be voted on favorably by a very large majority. Although it will be some time before it is passed on by the lower House and sent to the upper House for consideration, I am forwarding herewith a translation of the project for the benefit of probable interested capitalists in the United States. [A copy may be had on application to the Bureau of Foreign and Domestic Commerce or its branches.] It may be finally passed by Congress as presented, but it is probable that amendments may be made to it; but I am assured that the base of it will not be changed.

The district through which the proposed line is to pass is probably the richest agricultural part of the Department of La Paz under actual cultivation, producing very large quantities of cocoa leaves, fine woods, coffee, cocoa, sugar cane, and many other valuable crops, besides being very wealthy in minerals. The roads leading from La Paz to this district are good, and from a short distance from the city to the farthest distances traveled enormous water power is to be found to supply not only the proposed railway, but any number of industries. In fact, so much water power is available in this section that I doubt if use could be made of more than a small fraction of it. It is almost certain that an electric tramway, once constructed, would cost very little to operate, and as the freight from and to said district is considerable, it promises to be a well-paying investment.

The maximum cost of the line is calculated at \$2,500,000 United States currency, and the work is to be directed by the Public Works Department of the Bolivian Government, its cost being defrayed from the Treasury of the

Department of La Paz. Surveys have been made by the Bolivia Railway Co. and by the Public Works Office, and the work is to be carried out in accordance with their surveys and plans.

This may prove a very fine opportunity for large American electric works to obtain the order for material, and if interested enough they may also have an opportunity to effect arrangements with the Government to allow them to construct the road on their own account.

BAKERSFIELD BUILDING RECORD.

Buildings, for which permits were issued in Bakersfield during 1914, aggregated \$300,000 in value, less than two-fifths the value of 1913 permits, which came to \$760,000. The largest amount of buildings permits in any month was \$56,579 in August; the smallest, \$5,030, in July.—Ex.

NEW YORK'S WEALTHIEST LAND OWNER.

The assessed valuation of the land holdings of municipality of New York City is \$1,447,547,689 making the city the wealthiest land owner in the limits of the city jurisdiction.

HEAVIEST OFFICE BUILDING IN THE WORLD.

The Equitable building, now under construction in New York City, will be the heaviest office building in the world, as well as one of the highest, the weight of the steel alone being about 33,000 tons. The building covers a ground area of 160 by 312 feet. When completed it will tower 500 feet above the street and will extend about 65 feet below street level at its lowest point. It will contain 36 stories and in addition to this there will be two mezzanine floors. The steel erection was made particularly difficult by the network of timber bracing that it was necessary to put in to hold the basement retaining walls until steelwork could be installed to take its place. The heaviest piece of steel to be handled was a column weighing 32 tons.—Western Canada Contractor and Builder.

EMERGENCY CURRENCY OUTSTANDING.

Emergency currency amounting to \$126,039,000, was outstanding January 9, according to announcement by Comptroller of the Currency Williams. Since the first of that currency was taken out shortly after the outbreak of the war \$258,440,000 has been retired. Of the outstanding amount Texas banks have the most, \$16,689,000; New York is second with \$12,277,000, and California third with \$9,687,000. In the South there is outstanding \$53,209,000; in the Middle States, \$27,747,000.—Los Angeles Financial News.

WAR REFORMS.

It takes war for quick reform. The anti-slavery sentiment of the United States developed more rapidly in one year of war than it had in two generations of peace. The present era of universal war has produced two reforms so sudden as to be quite as rev-

olutionary as the abolition of slavery in America. Russia abolished vodka in a day and recovered in that day from two thousand years of drunkenness. Now comes Carranza in Mexico and abolishes gambling with one sweep of the pen. Leave gambling and cock-fighting out of Mexico and vodka out of Russia, and you have countries no longer recognizable as Russia or Mexico.

However, there is this difference: In Russia the military rule is very real and when the Czar decrees temperance, temperance at once follows. But in Mexico, if Carranza, or whoever else may for the moment call himself president, orders gambling stopped and the people nevertheless do gamble, what is the dictator to do about it? Without government, without law, without courts, without police, and without any single authority which can reach beyond gunshot of the scattered camps, nothing is enforceable in Mexico. Prohibition in Russia prohibits; prohibition in Mexico is an interesting rhetorical exercise.—Fresno Republican. The north side of Union street west of Baker for Teresa Fett. The building will have a frontage of 27½ feet and a depth of 80 feet and will contain six modern suites. Interiors will be finished in pine with some elm panels and hardwood floors. There will be a central heating system and a hot water supply. Bath rooms will be finished in tile with composition floors. Marble wainscot will be used in the entrance. Exterior of the building will be covered with rustic and cement plaster on metal lath. Plans are now out for figures. The work is estimated to cost \$10,000.

NEW TELEPHONE SYSTEM AT CHANGSHA.

[Condensed from an article in the Far Eastern Review, transmitted by Consul General Julean H. Arnold, Hankow, China, Oct. 16.]

That the telephone industry in China is developing rapidly is indicated by several modern telephone installations that have been recently completed in various cities. The Chinese have realized the advantages of the telephone for Government as well as commercial uses and are beginning to recognize that telephone systems, properly designed and managed, will yield profits.

At Changsha a new and modern system was opened last July with American equipment of the central-battery type, with lamp signals. It has a present capacity of 1,000 local lines and 40 toll or long-distance lines, and is arranged for an ultimate capacity of 3,000 lines, equipment for which may be added as desired. The new system replaces a system of the magneto type, equipped for 30 lines. The central office is housed in a modern brick building.

Switchboards, Power Apparatus, Etc.

The switchboard consists of three 6-panel sections, each section having a capacity for 480 answering jacks with lamps and 3,000 multiple jacks. Each section is arranged for three operators' positions and each operator's position is equipped with one pair of cords and plugs. One position of the switchboard is equipped with toll-switching trunks for making connections between toll lines and local lines. The switchboard is so arranged that sections may

be added as the number of subscribers increases.

In addition to the main switchboard there is a single position desk-type toll switchboard with equipment for 40 toll lines. The telephone company intends to install toll lines into the surrounding country. One such line has already been erected—from Changsha to Siangtan, a distance of about 30 miles.

The power apparatus and terminal racks and frames are located in a room directly beneath the switchboard. Wiring between the switchboard and the frames is contained in cable placed on steel racks. These racks are designed to accommodate the amount of cabling that will be required for 3,000 lines.

On the relay rack are mounted the line and cut-off relays that control the lamp signals of the subscribers' lines in the switchboard. To the left of the relay rack is located the fuse board on which are mounted the fuses for protecting against heavy currents the various circuits of the switchboard. The fuse board, relay rack, and distributing frame are arranged for future growth.

Sources of Electric Current—Cables—Receivers.

Electric current for operating the switchboard and subscribers' telephones is obtained from a battery of storage cells located in a small room adjacent to the terminal room. This battery consists of 11 chloride-type cells and has a capacity at present of 50 amperes, which may be increased to 100 amperes by the addition of battery plates. There is also a smaller battery of 11 cells for increasing the voltage of the talking current on subscribers' lines when connected with long-distance lines.

Current for charging the storage batteries is obtained from a motor-generator set operating from the city's electric current supply. Another charging outfit, consisting of a generator belted to a gasoline engine, is intended for use only in case there is an interruption in the municipal supply.

The lines from the central office to the subscribers' telephones are carried in cable to various distribution points at which are located cable terminals. The cable for this purpose is steel-armored, lead-covered, paper-insulated telephone cable, is installed in sizes of 300-pair, 200-pair, and 50-pair, and is laid directly in the ground.

The subscribers' telephones are furnished in wall and desk styles, and are of the metal-case type with black enamel finish. As is usual in China, these telephones are equipped with a micro-telephone which combines receiver and transmitter in a hand set.

The new system is under the control and operation of the Hunan Provincial Government.

STATE CIVIL SERVICE COMMISSION OF CALIFORNIA EXAMINATION ANNOUNCEMENT.

The State Civil Service Commission of California announces that the following examinations have been scheduled for the month of February, 1915.

Application blanks and further information may be secured upon application to the State Civil Service Commission, State Capitol, Sacramento.

CIVIL ENGINEER, GRADE II.

February 19-20.

To fill positions with the Highway Commission, Department of Engineering, State Harbor Commission and all other positions of the same class and grade. Salaries range from \$1200 to \$1800 per annum. Practically all the successful applicants of former examinations are now employed in the various departments of the State.

CONSTRUCTION ENGINEER.

February 19-20.

To fill position with Highway Commission, Department of Engineering. Salary \$1800 to \$2400 per annum.

ENGINEERING DRAFTSMAN AND MECHANICAL ENGINEERING DRAFTSMAN.

February 26-27.

To fill positions with the Highway Commission, Department of Engineering, State Harbor Commission and all other positions of the same class and grade. Salaries range from \$1200 to \$1800 per annum. The successful applicants of former examinations are practically all now working for the State.

STREET CONTRACT LET.

BAKERSFIELD, Kern Co., Cal.—Thompson Bros. were the low bidders and were awarded the contract for improving eight blocks of alleys in the business section at 14.75 cents per square foot for paving, 15 cents per square foot for gutters and 40 cents per lineal foot for curbing. The same company was awarded a contract at \$679 for the construction of cross gutters on K street.

WILL CONSTRUCT ROAD.

RICHMOND, Contra Costa Co., Cal.—Preparations are now under way for a highway along the marine front running from the ocean near the Richmond Navigation Company, out to the Los Angeles Brick Company. This road will be part of the proposed scenic highway which will meet parts of Point Richmond, which are as yet undeveloped. City Engineer Chapman, who is preparing the plans, states that it will be a thirty-foot road.

PAVING CONTRACT AWARDED.

FRESNO, Fresno Co., Cal.—The California Road and Street Improvement Company of Fresno, has been awarded a contract at \$41,724.47 for grading and asphalt paving, and construction of cement curb and gutter, corrugated iron culverts and manholes in K street from Inyo to Isabella streets. Other bidders on the work were: Federal Constr. Co., Thompson Bros., and Worswick Street Paving Company. B. E. Cronkite is the city engineer.

OF INTEREST TO CALIFORNIA BUSINESS MEN.

CONSULAR TRADE CONFERENCES.

Consul General Edwin S. Cunningham, who has been stationed at Singapore, Straits Settlements, is now in the United States on leave. He has been appointed as consul general at Hankow, China, to succeed Mr. Julean H. Arnold, who goes to Peking as commercial attache for the Bureau of Foreign and Domestic Commerce at Washington.

Mr. Cunningham will be at the San Francisco, Cal., office of the bureau on February 25, where he will be glad to hold conferences with business men who are interested in trade with China and Malaysia.

BREAKWATER AT MONTEREY.

SACRAMENTO, Cal.—Reports from this city state that Assemblyman Boyce of Monterey will ask the Legislature for an appropriation of \$200,000 for the construction of a breakwater at Monterey. Four years ago the Legislature appropriated the sum for the purpose, which was made contingent upon the Federal Government appropriating \$600,000. Certain stipulations of the department were not carried out and the State appropriation reverted to the State Treasury.

CAR LINE EXTENSION.

BAKERSFIELD, Kern Co., Cal.—An extension of the Chester avenue car line through West Park and south on C street to the south limit of the city is a possibility and the property owners in that section have taken the matter up with E. A. Wishon of the San Joaquin Power Company. Wishon approves of the plan and states that it could be done, provided the property owners would give a bonus. Wishon is now in Fresno, but will return to Bakersfield immediately to take up the extension matter.

CONDUIT AND CABLE WORK AWARDED.

TULARE, Tulare Co., Cal.—The Board of City Trustees have awarded a contract for the installing of conduit and cable for the proposed electrolier system, to light seventeen blocks in the central portion of the city, to the D. S. McEwan Electric Company of Ocean Park, Los Angeles county, on their bid of 31 cents per foot, or a total of about \$4,300 for the 14,000 feet of cable to be used.

TRESTLE BIDS WANTED.

REDWOOD CITY, San Mateo Co., Cal.—Bids will be received by the Board of Supervisors up to February 1st for the construction of a four span timber trestle on the Colma to Edgemar road, Route 2, Division 1, Section 2 of the San Mateo County Highways. For further particulars address the County Surveyor, Redwood City.

FOUNDRY CONTRACT AWARDED.

RICHMOND, Contra Costa Co., Cal.—The Judson Iron Works of West Berkeley, has been awarded the contract for furnishing castings and foundry work for the Santa Fe shops at Richmond. The Enterprise Foundry Company of Richmond was the only other bidder.

MILLIONS FOR ROAD WORK.

Many States Have Large Appropriations for Present Year.

Michigan has appropriated \$4,183,972 for good roads during 1914 and stands fifth in the roll of the states setting aside money for road work. Compila-

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tion made by the American Highway Association and transmitted to Secretary George F. Ballou of the Associated Roads Organization of Chicago shows that twenty-five of the states have appropriated a total of \$62,201,016, and Iowa leads the states with \$7,310,000 set aside, while New York state comes second with \$6,000,000, Minnesota third with \$5,672,254, North Carolina fourth with \$5,000,000 and Michigan fifth with \$4,183,972.

The state of Maryland has set aside \$3,700,000 and Ohio \$3,500,000, while Pennsylvania has set aside \$3,500,000 also. Other states that have made noteworthy appropriations include Oregon, \$3,280,000; Massachusetts, \$2,440,315; West Virginia, \$2,286,000; North Dakota, \$2,365,000; Virginia, \$2,000,000; Mississippi, \$1,720,000; Illinois, \$1,300,000, and others, including New Jersey, Alabama, Arizona, New Mexico, Colorado, Idaho, Wisconsin, Delaware and Kentucky, less than \$1,000,000. The last named state has set aside but \$25,000 for road work.

The Post Office Department has become intimately identified with the good roads movement through the fact that it employs 43,000 rural free delivery carriers, and these carriers travel a total of about 300,000 miles.

MILLIONS FOR WIRE AND STEEL.

Six million dollars worth of trenching tools, galvanized sheets, wire and projectile steel have been bought in Pittsburgh for the European belligerents in the past two months. An order was given this week for 65,000 tons of high carbonized steel rounds to be used for making sharpnel shells, the order coming from France and Russia. Los Angeles Financial News.

LAYING SPUR TRACK.

MARTINEZ, Contra Costa Co., Cal.—Materials are now on the ground and a crew of surveyors and road workers have started work on laying the spur track for the Southern Pacific Company through the Shell Oil property. The work will be completed in about two months.

REMOVAL NOTICE.

THE OAKLAND ARTIFICIAL STONE & MANTEL CO have removed their place of business to 102 1/2 Hopkins St., where they will be pleased to meet their friends and patrons. (17)

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Johns - Manville Co., H. W.
Lewis, W. S.
Magnesia Asbestos Supply Co.
Western Asbestos Magnesia Co.

Bonds & Insurance

Agency Company
Aetna Life Ins. Co.
Brown, Carl G.
Costello & Cutler
Glass, Samuel
Guyett & Co., R. G.
Hayburn, Jas. C.
Illinois Surety Co.
Hughes, Chas. T.
Kohlberg, A. M.
Lloyd & Spengler
MacMeans, H. V.
Meherin & Son, Mark M.
Pacific Coast Casualty Co.
Schnee, Gustave
Schweinhart, G. W.
Webster Co., Percy V.
Brick Contractors
Anderson & Ralney
Alexander, Robt.

Beagle, S. A.
Buckley, Jos.
Collin, Jean
Drake, H. L.
Finnila, M. A.
Gilbertsen, L.
Hogberg & Ludwig
John, F. A.
Koldenstrodt, F.
Mealey & Collins
Reed & White
Tingberg, John
Whitney & Davies

Brick Dealers.
Bay Develop. Co.
Cal. Brick Co.
Cal. Pottery Co.
Carnegie Brick & Pottery Co.
City Supply Co.
Clark & Sons, N.
Diamond Brick Co.
Tille Co.
Gladding - McBean Co.
McNear Brick Agency
Steiger Terra Cotta & Pottery Wks.
United Materials Co.
Western Development Syndicate
Western Lime & Cement Co.

Builders Instruments.
Keuffel & Esser Co.
Building Journals
Building and Industrial News.
Daily Pacific Builder

Building Materials

Alsen's Portland Cement Co.
Baker & Hamilton
Bay Develop. Co.
Berger Mfg. Co.
Cal. Brick Co.
Cal. Bldg. Material Co.
Cal. Pottery Co., Inc.
City Supply Co.
Carnegie Brick & Company
Cowell Lime and Cement Co., H.
Diamond Brick Co.
Dwan Co., J. E.
Falls Mfg. Co.
Fuller & Co., W.P.
Gladding - McBean Co.
Gross Co., Felix
Guerin & Co., J. S.
Holloway, E. J.
Metal Lath Co.
Holmes Distributing Co.
Johns - Manville Co., H. W.
Jorgensen & Co., C.
Kinnear Mfg. Co.
Lennon Co., J. E.
Levy, Robt. S.
Mapes, Sanford N.
Meyer, Adolph
Pac. Bldg. Materials Co.
Pac. Portland Cement Co.
Paraffine Paint Co.
Parrott & Co.
Roman Co., C.
Ryan, George
S. F. Lime Co.
Shannon, M. T.
Simon-Fout Brick Co.
Standard Portland Cement Co.
Steiger Terra Cotta & Pottery Wks.
Stoner, O. W.
Waterhouse & Price Co.
Western Asbestos Magnesia Co.
Western Builders' Supply Co.
Western Development Syndicate
Western Lime & Cement Co.
Whittier - Coburn Co.
Woods & Huddart

Card File Co. Architects' Card File Co.

Cement Dealers.
Alsen's Portland Cement Co.
City Supply Co.
Cowell Lime & Cement Co.
Dwan & Co., J. E.
Guerin & Co., J. S.
Lennon Co., J. E.
Lilley & Thurston Co.
Meyer, Adolph
Pacific Portland Cement Co.
Standard Portland Cement Co.
Waterhouse & Price Co.
Western Lime & Cement Co.

Chimneys, Patent

Clawson Co., L. E.
Dresser - McDonnell Co.
Hughes, H. J.

Clay Products.
Cal Brick Co.

Cold Storage Insulation

Van Fleet, M. V.
Concrete Contractors.

American Concrete Co.
Amorsen Co. A & T
Barrett & Hilp
Bluxome & Co.
Camp & Carrillon
Chase, S. A.
Crescent Concrete Co.
Daniel & Schott
Dillon, H.
Edminster Bros.
Foster Co., W.
Gnecco, M. H.
Hansen & Johnson.
Hau, C. C. W.
Hurley, P.
Leonard, J. P.
McCabe & Brown
McClenahan & Co., T. W.
Miller, Louis
Mission Concrete & Mosaic Wks.
Moronecill, John
Nilson & Arras
New Era Marble & Concrete Co.
Nugent, Robinson
Rasmussen, A.
Riboni, Henry
Schlosser, Max
Schmidt & Son, J.
Sundberg, A.
Spargo, John
Thomas & Sands
Westerlund, J. V.
Zimmerman, L. M.
Concrete Machy.
Bacon & Co., E. R.
Road Machy. Co.
Lansing Co.
Ivermore Co., Norman B.

Contractors' Equipment.

Bacon & Co. E. R.
Blaisdell Mchy. Co.
Compressed Air & Gen. Mchy. Co.
Lansing Co.
Mapes, Sanford N.
Orenstein - Arthur Koppel Co.

Cornice Works.

Amsler Sheet Metal Works
Appman Cornice Works.
Atlas Heating & Ventilating Co.
Capitol Sheet Metal Works
Conlin & Roberts.
Crown Cornice Works
Cronan, Wm.

Elite Sheet Metal Works

Guilfooy Cor. Wks.
Comyns & Nygren
Formeder Cornice Works
G. & M. Sheet Metal Works.
Hibernia Sheet Metal Works
Hughes, H. J.
Ideal Cornice Co.
Korell & Co., J. A.
Modern Sheet Metal Works
Morrison & Co.
U. S. Metal Products Co.
Western Furnace & Cornice Co.
S. F. Metal Stamp & Cort. Co.

Crude Oil Burners

Bill & Jacobsen
Fess System Co.
Johnson Co., S. T.

Crushed Rock.

Bay Devel. Co.
Cal. Building Material Co.
Cassarretto, John
City Supply Co.
McMullin, A. L.
Simon-Fout Brick Co.
Star Contracting Company.
Standard Crushed Rock Co.
Stone Co., E. B. & A. L.
Western Development Syndicate

Damp Proofing.

Brickley, P. J.
Fox, John L.
Keene Co., R. E. G.
Reigle & Jamel-
son
Taylor, L. A.
Whittier - Coburn Company.

Door Opener and Closer.

Rischmuller, Geo.

Electric Fixtures.

City Electric Co.
Gas & Elec. App. Co.
Pac. Gas & Elec. Company.

Electric Wiring & Equipment.

American Elect. Eng. Co.
Central Elec. Co.
Decker Electrical Construction Co.
Farnsworth Electrical Works.
General Electric Constr. Co.
Globe Electric Works
Hicks & Folte
Kirsten, W. H.
Lauder, H. I.
Manhattan Electric Co.
National Electric Co.
Newberry - Bendheim Elec. Co.
Peters, Gus. J.
Rex Electric Construction Co.
Ridley, A. E. B.
Rochdale Elec. Co.
Schmetschek, M.
Turner Co. The
Vitt Elec. Co.
Weidenthal - Gosliner Elec. Co.
Wetel Electric Co.

Elevator Builders.

Otis Elevator Co.
S. F. Elevator Co.
Van Emon Elevator Co.

Estimator.
Dillon, H.

Morser, E. J.
Peterson, P. O.
Priddle, Arthur
Walker, J. M.
Church

Floors, Composition.

Artolith Mfg. Co.
Bender R. & P. Co.
J. W.
Dwan Co., J. E.
Fibrestone &
Roofing Co.
Flaherty R. & P.
Co., R. H.
Malott & Peterson

Floors, Hardwood
Hardwood Int. Co.
Inlaid Floor Co.
Pac. Floor Sand-
ing Co.

Galvanized Iron.
Baker & Hamil-
ton
Berger Mfg. Co.
Gas Fixture.
Day Co., Thomas

**Gas Heating Sys-
tems.**
Reactor System
Gas Heating Co

**Gasoline Tanks &
Pumps.**
Brown, F. R.
Blaisdell Mch. Co.

Glass & Glazing.
Cal. Plate & Win-
dow Glass Co.
Friedman Bros.
Fuller Co., W. P.
Grosslicht & Din-
slent

Habenicht &
Howlett
Mission Plate &
Window Glass
Co.
Pioneer Plate &
Window Glass
Co.
Schwarz & Gott-
lieb

Grading.
Branick, J. P.
Carlin Bros.
Cassaretto, John
Davincenzi & Co.,
L.

Dillon Teaming
Co.
Federal Transfer
Co.
Giorgi Co., G.
Hartnett J. D.
Harbor View
Contract Co.
Hule Co., E. M.
Lennon Co., J. E.
Loffler, Fred
McGlitchey &
Monahan
Montague Co., P.
O'Day Co., Dan
O'Donnell, Philip
Powers, Chas. J.
Wibley Grading &
Teaming Co.
Star Con. Co.
Wright Co., J. H.

Granite Curbing.
Graham Granite
Co.
Lead Granite Co.,
W.
Pacific Granite Co
Tronoff, John

Gravel.
Bay Devel. Co.
Cal. Building Ma-
terial Co.
Cassaretto, John
City Supply Co.
Standard Crushed
Rock Co.
Star Contracting
Company.

Stone Co., E. B. &
A. L.
**Hardwood Deal-
ers.**
Inlaid Floor Co.
Hardwood Inter-
ior Co.
Union Floor Co.

Wood Lumber Co.,
E. K.

Hd'ware, Dealers.
Baker & Hamil-
ton
Bennett Bros.
Kruze, J. H.
Joost Bros.
Meyer, Adolph
Norman & Sons,
F. G.
Palace Hd'ware Co
S. F. Hd'ware Co
Smith Co., P. A.

**Heating & Ventila-
ting.**
Atlas Heating &
Ventilating Co.
Klernan & O'Brien
Hurley Co., J. C.
Lawson, Herman
Looney Co., J.
Mangrum & Otter
Snook & Co.,
Fred W.
Torrid Zone Fur-
nace Co.
Turner Co., The
Wilson, Robt. M.

**House Movers &
Raisers.**
Hatch, H. L.
Pearson, N. H.
Sullivan, D. J. & T.

**Hoisting Engi-
neer.**
Le Clair, S. D.

Inlaid Floors.
Hardwood Inter-
ior Co.
Inlaid Floor Co.
Pac. Floor Sand-
ing Co.

**Interlocking Tile
Blocks.**
California Deni-
son Block Co.
Iron Foundry.
Steiger & Kerr,
Stove & Found-
ry Co.

Iron & Steel.
Baker & Hamil-
ton
Dawson & Noyes
Judson Mfg. Co.
Pacific Coast Steel
Company
Trussed Concrete
Steel Company,
Woods & Huddart

Iron Works.

Brode Iron Wks.
Dyer Bros.
Eureka Wire &
Iron Wks.
Golden Gate Iron
Works
Hillard Co., C. J.
Kell Iron Works
Michel & Pfeiffer
Monarch Iron
Works
Pacific Iron Wks.
Pacific Structural
Iron Works.
Ralston Iron
Works

S. F. Iron Works
Sartorius Co.
Schraeder's Iron
Works
Steiger & Kerr
Stove & Found-
ry Co.
Vulcan Iron Wks.
West Coast Wire
& Iron Works
Western Iron
Works

**Joint Hangers &
Post Caps.**
Falls Mfg. Co.
Pac. Bldg. Mate-
rials Co.
Roman Co., C.
Waterhouse &
Price Co.
Western Bldg.
Supply Co.

**Lathers, Wood &
Metal.**
Balzke, Robt.
Edwards, C. H.
Hayden, Fred
Kaiser, Jos.
McAbee, E. T.
Raymond, Wm. H.
Snell, Ralph L.

Lighting Fixtures
Day Co., Thomas
Mohillite Co.

**Lime & Plaster
Dealers.**

Arden Plaster Co.
Cal. Lime & Hy-
drate Co.
Cowell Lime &
Cement Co.
Guerlin & Co., J. S.
Lennon Co., J. E.
Pacific Portland
Cement Co.
Western Lime &
Cement Co.

Lumber Dealers.

Acme Lumber Co.
Christenson Lum-
ber Co.
Columbia Lumber
Co.
Doe Co., Frank P.
Excelsior Red-
wood Co.
Hardy Lumber Co.
Hart-Wood Lum-
ber Co.
Hauptman Lum-
ber Co.
Kruze Co., J. H.
Hooper Lumber Co
Higgins Lumber
Co., J. E.
Loop Lumber Co.
MacDonald Lum-
ber Co.
Moore Mill and
Lumber Co.
Oakley, — Mahony
Lumber Co.
Lumber Co.
Peterson, E. T.
Pope & Talbot
Reinhart Mill &
Lumber Co.
Ryan, George
Santa Clara Val-
ley Mill & Lum-
ber Co.
Santa Fe Lumber
Co.
S. F. Lumber Co.
Schouten & Co., J.
W.
Sunset Lumber Co.
Tlerman & Beronio
Van Arsdale-Har-
ris Lumber Co.
Wilson Bros. & Co.
Wood Lumber Co.,
E. K.
Wright, Jr., Wm.

**Magnesite Floor-
ing.**

Artolith Mfg. Co.
Bender R. & P. Co.
Dwan & Co., J. M.
Fibrestone &
Roofing Co.
Flaherty R. & P. Co.
R. H.

Goodman, A. K.
Malott & Peter-
son
Watsonite Co.

**Mantels, Tiles &
Grates.**
General Building
Work Co.
Ginsberg Bros.
Mangrum & Otter
Peerless Agencies
Co.

**Marble and Mosaic
Work.**

General Building
Work Co.
Gnecco, M. H.
Grassi & Co., P.
Mission Concrete
& Mosaic Wks.
Mission Marble
Works.
Musto Sons-Keen-
nan Co.
New Era Marble
& Concrete Co.
Teltz, Francis E.
Tomagnini & Co.,
G.
Vermont Marble
Co.

Metal Lath.

Atlantic Fire-
proofing Co.
Berger Mfg. Co.
Holloway Metal
Lath Company.

Waterhouse &
Price
Western Builders
Supply Co.

Metal Stamping
S. F. Metal Stamp-
ing & Corr. Co.

Notary Public.
Duncan, A. M.

Oils and Greases.
Standard Oil Co.
Union Oil Co.

**Ornamental Plas-
tering.**

Benkman, Ed. G.
Binner, Theodore
Larson, O. F.
Lipp & Co., J. F.

**Painters and Dec-
orators.**

Baker Co., W. T.
Bell, Wm. J.
Bernstein, Wm.
Blum, Louis
Brown, J. L.
Burns Bros.
Clark & Dickson
Cramer Bros.
Conlin, J. J.
Copnick, T. W.
Dahl, T. H.
Donovan, V. J.
Hansen, Elbing A.
Johnson, C.
Kissel, Isidor
Miller, L.
Miller, J. A.
McCubbin, James
Manning, John
Neal, L. J.
Progressive
Painting Co.
Quandt & Son
Ruderman, I.
Simon Neilson Co.
Smith, J. S.
Sovig, C. B.
Trost, C. R.
Walk, Mayer
Wagner, Fred
Wagner Bros.
Zelinsky, R.

**Paints, Oils Varn-
ishes, Etc.**

Clark & Dickson
Cohn & Co., Mar-
ion D.
Fuller Co., W. P.
O'Brien, J. S.
Paint Products
Corporation
Paraffine Paint Co.
Parlett & Lambert
Whittier - Coburn
Co.

Patent Chimneys.

Clawson Co., L. E.
Dresser - McDon-
Hughes, H. J.

Pile Driving.
Lamburth, C. E.

Paving Brick.
Cal Brick Co.

Planing Mills.

Acme Plgn. Mill
Anderson Bros.
Atlas Planing
Mill Co.
Builders' Supply
Depot
Cal. Door Co.
Cal. Planing Mill.
Emanuel, L. & E.
(Inc.)
Empire Planing
Mill
Hart & Burmels-
ter
Hermann, A.
Herring's Mill
Holden - Deuprey
Co.
Lorden Mill Co.,
J. P.
Main St. Planing
Premus Planing
Mill
Reinhart Lumber
& Planing Mill
Ryan, George

San Mateo Plan-
ing Mill
Santa Clara Val-
ley Mill & Lum-
ber Co.
Spencer St. Plan-
ing Mill
Taylor & Co.
Western Planing
Mill
Veyhle & Collins

Plasterers.

Bosch, Herman
Bradley & O'Reilly
Brennan, James
Campbell, Chas.
Campbell & Will-
iams
Connel Co., J. E.
Daly, J. H.
Duthie, Chas.
Gilmour, W. G.
Jones, Francis
Kaiser, Jos.
Leaf, Al.
MacGruer & Co.
Mellon, Thos.
Modica, S.
Mowat, Donald
Phibbin, J. J.
Sexton, T. D.
Terranova Bros.
Wagner, James A.

**Plumbing and Gas
Fitting.**

Band, S. W.
Bernard, Geo. F.
Dunn, Neil H.
Goss, Wm. P.
Grundy, Ed.
Houston, J. J.
Kara, F. E.
Klernan & O'Brien
Lacey, E. V.
Lauder, H. I.
Lawson, Herman
Lettich, Antone
Lettich, J. M.
Looney Co., J.
May, Gus
McLeod, J. J.
Penkerton, J. H.
Skelly, Thomas
Snook & Co.,
Fred W.
Turner Co., The
Wetzel, Theo.
Wilson & Co., W.

Plumbers Supplies

Kinney Co., R. W.
Mark-Lally Co.
Mueller Mfg. Co.,
H.
Nelson Mfg. Co.
Pac Sanitary Mfg
Co.
Paragon Brass
Mfg. Co.

Radiators.

American Radia-
tor Co.

Railway Materials
Orenstein - Ar-
thur Koppel Co.

Rigging.
Lamburth, C. E.

**Roofing, Gravel &
Composition.)**

Bender Roofing &
Paving Co.
Canterly & Co., J.
Enterprise Roof-
ing Co.
Flaherty, R. H.
Keene Co., R. E. G.
Lawson Roofing
Co.
Lewis, W. S.
Malott & Peterson
Raphel Roofing
Co.
Samuel Co., H. D.
Watsonite Co.
Western Asbestos
Magnesia Co.
Western Felt and
Refining Co.

**Roofing (Slate &
Tile.)**
Graham, R. G.
White, Ed. A.
Fibrestone &
Roofing Co.

Roofing Materials.

Johns - Manville
Co., H. W.
Paraffine Paint Co.
Waterhouse &
Price
Western Asbestos
Magnesia Co.
Western Builders'
Supply Co.
Whittier - Coburn
Co.

Sand, Gravel, Etc.
Bay Develop. Co.
Cal. Building Ma-
terial Co.
McMullin Bros.
Stone Co., E. B. &
A. L.
Western Develop-
ment Syndicate.

**Sanitary Garbage
Chutes.**

Bill & Jacobsen
Sand Blasting.
McDermott, W.

Sheet Metal Wks.

Amsler Sheet
Metal Works
Appman Cornice
Works
Atlas Heating &
Ventilating Wks
Capitol Sheet
Metal Works
Comyns & Nygren
Cronan, Wm.
Crown Cornice
Works
Elite Sheet Metal
Works
Formder Cornice
Works
G. & M. Sheet
Metal Works.
Guilfooy Cornice
Hibernia Sheet
Metal Works
Hughes, H. J.
Ideal Cornice Wks
Korell & Co., J. A.
Modern Sheet Met-
al Works.
Morrison & Co.
S. F. Metal Stam-
ing & Corr. Co.
U. S. Metal Pro-
ducts Co.
Western Furnace
& Cornice Co.

Sidewalk Lights.

Jackson Co., P. H.
Dwan & Co., J. E.
Phoenix Sidewalk
Light Co.

Stair Builders.

Bishop & Peralino
Boller, John
Jacobson, J.
Porter, W. F.
Stewart, J. K.

Stationery.
Foster & Short
Wright, J. H.

Steel Bars.
Baker & Hamil-
ton
Dawson & Noyes
Woods & Hud-
dart.

**Pacific Coast
Steel Co.**
Soule Co.
Steel Erector.
Schauer, Fred C.
Pioneer Con. Co.
Williams Con-
struction Co.
Store Fronts
Kawneer Mfg. Co.
**Structural Steel
Contractors.**

Central Iron Wks
Dyer Bros.
Judson Mfg. Co.
Pacific Structural
Iron Works
Pac. Rolling Mills
Schraeder's Iron
Works
S. F. Iron Works
Western Iron Sup-
ply Co.

Stoves.
Mangrum & Otter
Steiger & Kerr

Structural Steel Contractors.

Brode Iron Wks.
Dwer Bros.
Golden Gate Iron Works
San Francisco Iron Works
Ralston Iron Wks.
Vulcan Iron Wks.

Surveyors.

Morser, E. J.
Quimby, L. S.
Wetherell, Chas E

Teaming & Grading.

Branick, J. P.
Blanchini, G.

Federal Transfer & Draying Co.
Carlin Bros.
Devencenzi & Co., L.

Dillon Teaming Co.

Federal Transfer & Draying Co.
Harbor View Contract Co.

Hule Co., E. M.
Lennon Co., J. E.
Leffler, Fred
McGlinchey & Monahan
Montague Co., P.
O'Day Co., D.
Powers, Chas. J.

Sibley Teaming & Grading Co.
Star Contracting Co.
Wright Co., J. H.

Tiling.

Cal. Tile Contr.Co.
Ginsberg & Co., S.
Mangrum & Otter
Peerless Agency Co.

Vacuum Co.
Bill & Jacobson
Hughson & Mer-ton Co.
Schaer Bros.
Stevens Co., Frank A.

Hyde Henry C.
United Elec Co.
Wall Beds.
Marshall - Stearns Co.
Water Company.
Spring Valley Water Works.

Whitewashing
Brickley, P. J.
Reigle & Jamelson
Taylor, L. A.

Window Cleaning.
American Window Cleaning Co.

Windows, Patent.
Simplex Window Co.

Central Electric Co.
City Electric Co.
Decker Electric Co
Globe Elec. Co.
Levy Elec. Co.
National Elec. Co.
Elevators.
Otis Elevator Co.
Van Emon Elevator Co.

Fibre.

S. F. Fibre & Cord-age Co.
Fireproof Doors.
Norris, L. A.

Floor Sanding
Inlaid Floor Co.
Pacific Floor Sanding Co.

Grill Work.

Cal. Art Metal & Wire Works.
Merle Co., A.
Sartorius Co.
Withington, C. W.

Gen. Contractors.
Andrus, R. C.

Brigham, H. B.
Brockhage, Foley & Green

Caldwell & Co.
Cereghino & Son, Louis

Currie & Currie
Dempniak Bros.
Farquharson, D. B.

Fluth, J.
Frasier & Fraser

Graham, D. E.
Griffith, Wm.
Hannah, J. D.

Hannah & Co. J.S.
Hayes, W. W.

Jackson, A.
Kuykendall, J. O.
Malley, Edward.

Matthies, Henry
Peacock, John
Schnebl, Host-

trawser & Ped-griff

Glass and Glazing
Cal. Plate & Win-dow Gass Co.

Cohen, J.
Cobbledick-Kibby
Glass Co.

Friedman Bros.
Fuller, W. P. & Co.

Habenicht & Howlett
Holland, J. P.
Schwarz & Gott-

lieb (Inc.)

Grading & Team-ing.
Church, D. O., Co.

Dillon, D.
Eureka Teaming Co.

Fay, S. J.
McClure, H. N.
Wilhelm, A. H.

Wilkie Co., A.
Williams, F. A.
Wright, Chas.

Monarch Teaming Co.
Sibley, L. B.
McLenegan, S. B.

Granite.

Bradbury, Thos.
Cal. Granite Co.
De Lano & Sons,

I. L.
Hunt, A. T.
Raymond Granite Co.

Hardware.

Joost Bros.
Kruze, J. H.
Lorenz, Schffaeer & Co.

Meyer, A.
Palace Hdw. Co.
Heat and Light.

Pacific Gas and Electric Co.

Heating & Vent-lating.
Burnham Plumb-ing & Heating, Inc.

Cronan, Wm.
Mangrum & Otter
Montague, W. W. & Co.

House Moving & Raising.
Blume Cont'g Co.
Pearson, E. K.
Sullivan, D. J.&T

Inlaid Floors.
Hardwood Inter-ior Co.
Inlaid Floor Co.
Pacific Floor Sanding Co.

Iron Works.
Lorenz, Schffaeer & Co.

Michaels & Pfes-fer

Monarch Iron Works.

Pacific Rolling Mill Co.
Pacific Struc. Iron Works.

Jolat Hangers & Post Caps.

Kortick - Falls Mfg Co.

Lilley & Thurston Co.

Lorenz Schaffer & Co.

Western Builders' Supply Co.

Kawneer System Store Fronts.

Falls Mfg. Co.
Lilley & Thurston Co.

Light and Power
City Electric Co.
Pac. Gas & Elec-tric Co.

Lime, Cement, Etc
Acme Cement

Plaster Co.
Arden Plaster Co.

Cowell Lime & Cement Co.

Holland, J. P.
Holmes Lime & Cement Co.

Lennon, Jas. E.
Lucas, W. E.

Pacific Bldg. Ma-terial Co.

Pac Lime & Plas-ter Co.

S. F. Lime Co.
Shasta Lime Pro-ducts Co.

Western Building Material Co.

Western Lime & Cement Co.

Lumber.

Acme Lumber Co.
Christenson Lum-ber Co.

Hardy, Jas. H., Inc
Hart-Wood Lum-ber Co.

Humboldt Lumber Co.

Hauptman Lum-ber Co.

Hooper Lumber Co.

Kruse, J. H.
Loop Lumber Co.

Macdonald Lum-ber Co.

Moore, R. B. Mill & Lumber Co.

National Mill & Lumber Co.

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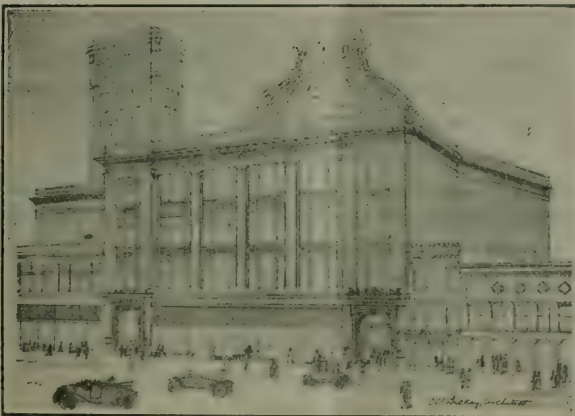
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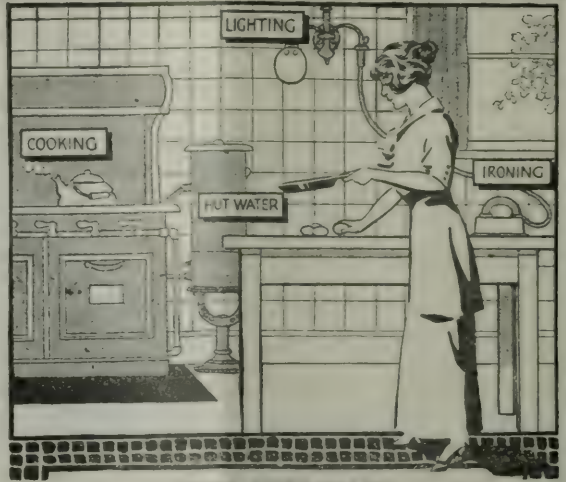
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Editorial Comment.

The legislature closes the first half of its session today. While the main policies of the administration has been constructive, the general work of the legislative body has been to round off and perfect the reforms that have already been put into operation. The making of the offices of state government non-partisan as is the city and county is something that should be accomplished. For what has the state government to do with national politics? How does it help the administration of local affairs what the ideas of the Governor are on the national tariff? Whenever the people realize that they are electing men to run the affairs of the State of California in an efficient manner and on a business-like basis rather than the fact that he belongs to the same political faith as our grandfather.

THE CASE OF RUMANIA.

Rumania is a kingdom of 7 million inhabitants hemmed in between Russia, Hungary and Bulgaria. Its people are of a Latin stock and speak a language akin to the Latin tongues of Europe. So they are sharply cut off from the Slavic and Hungarian peoples about them.

Across the Hungarian line live 3 million more Rumanians, subjects of the Hungarian government. Out of this situation has arisen one of the problems that tend to complicate the war. For the Rumanian government has always looked forward to gathering into its dominion the Rumanians of the "unredeemed" lands of Hungary.

In recent years Austria-Hungary has been beset by two kindred problems on the east and south. One has been the rise of Servia, with its threat to the south Slavs living under the dual monarchy. The other has been the rise of Rumania, with the danger of a secession of the Rumanian districts of Hungary to the Rumanian kingdom.

It was the problem of Servia and the south Slavs that precipitated the war. Meanwhile Rumania preserved its neutrality, awaiting developments. But the Teutonic allies have known all along that the Rumanian interests tempted it into support of Russia, with the chance of increasing its population by half. Up to this time caution has been the animating policy of the government at Bucharest. It has been watching to see whether the German military machine would smash Russia, what Turkey might do, and what the attitude of Bulgaria would be.

In the event of disaster to the Allies, Rumania would still be neutral. But if the opportunity offered and circumstances looked favorable, there has

always been a chance that Rumania would join Russia in the hope of getting territory from Hungary with 3 million Rumanians as a prize of war.

These are the considerations that are now being weighed in the balance at Bucharest. If they should finally bring Rumania into the conflict it would mean the addition of perhaps three hundred thousand soldiers to the line that is now pressing in on Hungary.—Kansas City Star.

The present war in Europe is likely to have far reaching effects upon the life of the Turkish nation. And Constantinople, the one stronghold of the Mohammedan in Europe is likely to pass to Christian nations whatever may be the outcome of the war. The December number of the National Geographic Magazine has an interesting article upon this city of the Golden Horn and there are numerous illustrations of the architecture of the place. For this city contains the great mosques of the Mohammedan, notably that of the Sultan Ahmed, which is the highest achievement of Moslem art and side by side the mosque of Santa Sophia, the greatest monument of Christian architecture. The great church of St. Sophia dwarfs even St. Peter's of Rome. The priceless marbles and the prodigal employment of gold and silver in its ornamentation made a cost of construction amounting to 64 million dollars. And this great pile has been in the hands of the Moslems since 1463 for the reason that the nations of Europe were afraid to let any country get control of the outlet of the narrow passage through the Mediterranean sea. Perhaps many of these great monuments of architecture will be demolished before the war is over. But in any event the Turk is likely to leave Europe, and the part he has played in European diplomacy will no doubt be lessened to a very great degree.

According to the report of the Foreign Trades Department of the San Francisco Chamber of Commerce, the grand total of tonnage passing through the Panama Canal during the month of December, 1914, amounted to 451,024 tons, an increase of 5758 tons over the month of November. These reports show a consistent and constant increase. This total tonnage was made up of 196,156 tons from the Pacific Coast to Europe and the Atlantic seaboard ports, 131,933 tons from the Atlantic coast ports to the Pacific coast and the Orient. Altogether the traffic each way was about equal although the balance was in favor of the Pacific coast ports as against the Atlantic, showing that the waterway is furnishing a market for our products.

The Horticultural Exhibit At the Exposition Most Complete Ever Shown.

While the Panama-Pacific International Exposition which opens in San Francisco, February 20, has neglected no department of human activity in her array of 60,000 contemporaneous exhibits, it is believed that in the line of horticultural and farm products she has achieved a record over all previous world expositions. First there are 65 acres devoted to the first continuous live stock show ever held, with half a million dollars to be expended in prizes; then come the two palaces of Agriculture and Food Products, with a floor area of twelve acres; and overflow agricultural machinery and forestry exhibits covering three acres out of doors; a wonderland of landscape gardening possible nowhere else in America outside of sunny California, its limits practically co-extensive with the borders of the square mile of exposition grounds; and finally, over ten acres of exhibits in the Department of Horticulture.

Half the horticultural exhibits—the gardens—are out of doors, and the other half, five acres, under the glass roof and domes of the crystal Palace of Horticulture, the largest and most beautiful structure ever devoted to such a purpose, at any exposition. About three acres within the building are devoted to commercial horticulture and pomology, mostly working exhibits of an educational character covering the practical processes of growing, grading, packing, canning, and processing the many fruits and other horticultural products; and about two acres, under the domes, are given over to a display of wonderful tropical and sub-tropical fruit and ornamental trees and plants. Chief among the last named exhibits is that of the Republic of Cuba, which has brought 34 carloads of trees and plants—some of them 80 feet high—from her jungles and orchards. These occupy the place of honor beneath the largest glass dome in the world, covering an area of fully an acre.

Cuba Spending Over \$300,000.

That Cuba is expending her appropriation of over \$300,000 at the exposition in a way to attract the attention of the world to her resources and to her progress in the lines not only of horticulture, but of hygiene, education and agriculture, is apparent from an inspection of the exhibits now being installed in various departments. During January she shipped in about 24 carloads of rare tropic plants and fruit trees, in addition to the eleven carloads already in place in the Palace of Horticulture. These are being set in circles around the kaleidoscopic light well under the big dome. They include about 20 tall Royal Palms, the most beautiful members of the palm family in the world, four of these trees being 80 feet in height, coconut palms bearing nuts; large specimens of banana, mango, jackfruit, breadfruit, avocado ("alligator pear"), sapota, mammes apple, anona and guan-

abana trees, all producers of delicious tropic fruits, the latter being the source of a most delicious soft drink, in great demand around the parque central of Havana.

Cuba's plant exhibit includes also rare bottle-shaped palms 25 feet tall, hundreds of gorgeous tree coleus and other foliage plants with leaves all colors of the rainbow, tropic vines which are being used to conceal the pillars and trusses, and two specimens of a rare sort of tree fern, the Myrocycus, said to be nearly twice as old as the two 8,000 arbor vitae trees, now in the Japanese Garden at the Exposition, and which are said to be nearly 1,000 years old, and only seven feet tall. Cuba is also making an extensive exhibit of her fruits and garden food products in the commercial section of this palace. While the expense of assembling and bringing the Cuban exhibits to the Exposition was fully \$25,000, it is estimated by Chief George A. Dennison of the horticultural department that her tree and plant exhibit represents a cash value of over a quarter of a million dollars.

Hawaii also makes a splendid showing of tropical trees and plants including 80 varieties of Hibiscus, eight different varieties of banana trees and many aquatics. Other complete aquatic exhibits—each occupying a large circular pool under the two secondary domes, by Wm. Dreer of Philadelphia and Wm. Walker of New Jersey, are installed and growing lustily. Japan's exhibit in addition to fruits and shrubs, includes two large pools of gold fish, on either side of the main entrance.

Handling Fruit Products.

The three acres of commercial fruit and fruit products exhibits in the western portion of this palace, made up largely of factories and packing plants in actual operations, are highly educational in character. From the big log pavilion of Oregon, and the olive oil mill and pickling plant to the complete laboratory and scientific canning factory of the National Canners' Association. Each of the exhibits is shown in a special building, kiosk or pavilion of its own, making a veritable village within the great palace; a village full of vocational school houses, as it were.

The keynote of the working exhibits is struck by the one last named. This has been installed by the national organization of fruit and vegetable canners, purely as an educational exhibit, with no commercial features, and occupies 6,000 square feet. Under the personal supervision of two of America's foremost pomological experts, Dr. and Mrs. A. W. Bitting, from the U. S. Government laboratories, who have spent eighteen months on the preliminary work, a complete working chemical laboratory and cannery will be in operation throughout the exposition period. The cans for this factory will be manufactured in the Palace of Machinery, and filled and sealed by up-to-date

machinery, after the fresh fruit has passed through all of the processes, inspection, analysis, grading, steaming, peeling, and preserving, in full view of visitors. The equipment is entirely of white enamelled ware, and among other features will be processes of pickling and making jams, jellies and other products, with a display of insect pests and methods of combatting them.

California Exhibit the Largest.

The largest of the exhibits, and the most varied will be that of California, occupying one-fourth of an acre in the center of the palace. This is a \$55,000 exhibit, the installation alone costing over \$10,000 and it will cover the entire range of California products.

Next in size is the exhibit of the State of Washington—devoted largely to the grading and handling of apples and other orchard fruits, with a huge Wenatchee apple big enough to enclose a dinner party as one of its novel features. Like the California exhibit, this is housed in a booth of green and white lattice work. In contrast to the Oregon booth, which is constructed of huge logs, nearly two feet in diameter, to give the effect of forest isles, within which are shown ferns and shrubs. The Oregon exhibits of fruits of all sorts will be one of the marvels of the exposition. These booths are practically complete, as is that of Idaho, which extends half way across the east end of the great hall. In addition to honey, fruits and berries, Idaho will show a beautiful grape juice fountain, the red wine being shown oozing from a huge bunch of grapes. Utah, with three experts on the job, is installing a combined horticultural and agricultural exhibit.

New York State is erecting a lofty pagoda, which among other exhibits will house a large number of refrigerator cases of fruits and frozen flowers. Missouri and Arkansas, each with 3,500 square feet of floor space, are nearly ready to install their exhibits of orchard and garden products. Argentina, across the aisle from California, Japan, with her background of Fujiyama and Cuba, at the west entrances, with her beautiful terraced Spanish garden full of tropic fruit, and China, each will be a center of horticultural novelties.

The Sutton Seed Company of London, England, one of the largest in the world, has an exhibit near those of local seeds men, one of which will show the processes of seed-growing and seed packing, inside a bower of constantly blooming flowers. Another important working exhibit is the olive mill and olive pickling and packing display. Next to this is the orange grader running at full blast, with orange brushing, wrapping, packing, and box nailing machinery at work.

**Wide open our doors with hospitality,
A warm welcome to all the world.**

SHOULD MIX CONCRETE MORE THOROUGHLY.

It is probably nearly an accepted principle among constructors that the order of placing concrete material in a mixer is of no importance. Occasionally a specification is written and more rarely followed under which it is required that the component parts of the concrete be placed in the mixer in some prescribed order, but the general practice is to throw in the cement, aggregate and water in any convenient order, or, in case a measuring hopper is employed, all at once. In hand mixing, of course, the old practice of first mixing the dry sand and cement still prevails, but that is because when all the materials are thrown on the board together and doused with water it is difficult to get men to turn over the mass of wet concrete long enough to insure a well-mixed mortar. The stronger and more efficient machine is thought to remove this difficulty.

Some pressure tests on concrete pipe were recently made by a company attributing the density of the concrete obtained, first, to its richness—a 1:1½:2½ mix is used—and, second, to the method of mixing in which especial attention is paid to the order of placing the materials in the mixer.

According to the method used the mixer is first charged with the proper amount of water (established by experience and observation), and into that the cement is dumped; the mixer is then turned until a well-mixed grout results. Into this is then dumped the stone and after this has been turned sufficiently to insure the coating of all the stone particles the sand is put in and the turning continued until the sand particles are well covered and have apparently filled all the voids in the cement-coated stone.

It may be that the users of this method are correct in their assumption that the order of placing is responsible for the exceptionally dense concrete which they achieve, but to others it seems that the effectiveness of the method is due not so much to the order of placing of the materials as to the length of time taken between placing of the separate components, which added together make the total length of time of mixing somewhat longer than the normal mixing of concrete.

This naturally leads to the query "Is enough attention paid to the length of time of mixing in machine-mixed concrete?" Are not most contractors too hasty in getting the batch out of the mixer? A piece of western construction is reported in which it is stated that 2,150 cubic yards of concrete were mixed in an eight-hour day in four one-yard mixers. This is somewhat more than a mix a minute per machine. Regardless of the type of machine used, would not a two-minute period have given a concrete enough better to warrant the use of more machines with their additional cost of purchase and operation?

As construction is now generally carried on the time of mixing is governed entirely by the observing eye of an inspector or superintendent. When to him the various parts that go to make up the concrete seem to have reached a proper intermingling the batch is dumped. If it is a fact that

after a certain amount of mixing, easily determined by the expert eye, the component parts of the concrete become so thoroughly intermixed that no perceptible increase in quality of the concrete will result from further mixing, this method of ocular inspection is correct enough, but if it is probable that an increase, even slight, in future strength may result from mixing the concrete beyond the time when it seems to be thoroughly mixed, then in the scientific development of concrete construction such time should be ascertained.

We believe that some tests have been carried on to investigate the proper time of mixing concrete, but these tests have not been so conclusive nor have they had such wide publicity as to be of much value. There is a field here for future investigation, which some testing laboratories should soon take up. Undoubtedly most of the concrete which is made is mixed in too short a period. I by adding to that period we can increase the density of the concrete and thus improve its water-resisting qualities or prolong its future life, we are certainly justified in the additional expense of extra mixing. It may be difficult to estimate precisely the effect of this additional mixing, but unless there is absolute certainty that it does no good it would be at least a good insurance. The difficulty, of course, is not in determining whether additional mixing is desirable, but in ascertaining some method by which the exact time of increased mixing may be rationally determined, and that is the field of the testing engineer.—Concrete Age.

HISTORY OF ARCHITECTURAL DRAWING.

Complete Building Plans Date Only to 500 A. D.

Some very interesting comments regarding the history of architectural drawings are contributed by an English writer to one of our foreign contemporaries and from what he has to say on the subject we extract the following: "Did the Greeks and Romans, our masters in architecture, make drawings of the edifices they designed? Was the art of architectural drawing in existence among them? The question is one which we have no means of satisfactorily answering, but the researches of the most competent authorities make it clear that the ancients followed some different practice from the uses of modern architects in this matter. It can only be conjectured what their method was. It appears probable that drawing was not practiced, and that instead of that it was the custom of the architect to make a model of each edifice he designed. The actual construction was carried out under the designer's own direction, he being present and himself prescribing every detail of the work, the measurements and the profile, to the operative masons and sculptors, and often executing portions of the work with his own hand.

"We have, however, proof that the art of drawing plans was not altogether unknown to the Roman. Paper, in the modern sense of the term, did not exist, but in place of it plates of marble were probably employed. The re-

main of at least one ancient sketch has, in fact, been preserved to us. We refer to the fragments of the plan of the ancient city of Rome, which are built into the wall upon the staircase of the Capitoline Museum, and to another tablet lately discovered. The age of these fragments cannot be placed later than the times of the Emperor Severus or Antoninus. The relics are moreover, of value, as they make known to us the existence of certain buildings of which we otherwise have no trace.

"The next oldest relic of a similar kind which has come down to us is that of the Abbey of St. Gallen. This contains on parchment the drawing in simple lines of the normal plan of the monastery, with all the buildings belonging to it. The age of this document is not later than the fifth or sixth century, and it was produced at the court of the Frankish kings. After this, we find in the regulations of the lodges of mediaeval times certain directions enjoining upon builders the duty of exactly following the sketches of the edifices they are engaged upon. Another section prescribes that the rules for tracing and laying out of carved wood, etc., are to be kept strictly secret. On the other hand, within the lodge, it is recommended that the fullest possible instruction should be imparted. By a very fortunate accident the old working drawings of the towers of the cathedrals of Cologne and Ulm have been preserved. They are believed to date from the year 1350 A. D., and are now kept at Cologne. They were discovered by Herr Moller, who published facsimiles of them.

"It is not before the age of the Renaissance that we have any architectural plans in extenso. Belonging to this period are the collection of hand-drawings in the Uffizi at Florence. Lately, too, the architect, Von Geymuller, has published the plans of Bramante and Raccalle for St. Peter's at Rome. These documents are drawn with a pen in simple outlines on parchment or paper. From the sixteenth century the drawings which have come down to us are more frequent, and they are more complete in their style of representation. With regard to the masters of the late Renaissance, we have a number of plans by Palladio and others. In the Musco Civico of Vicenza, Palladio's native city, there is a rich collection of his drawings preserved. They are on rough paper, and boldly drawn with the pen in sepia, and show a little shading. In the Church of St. Petronio at Bologna, at the end of the southern side aisle, there is a room with about thirty plans, by celebrated architects of the fifteenth to the seventeenth centuries, for a facade for that church. The style is mostly Gothic, a style which, however, was not understood by Peruzzi, Giulio, Romano and other masters of the late Renaissance. The non-Gothic drawings of Palladio and Alberti are better. Possibly there may be plenty of other old drawings scattered in different collections. In those mentioned, all that is attempted is the representation of the ground plan and facade. The style of representation is very simple, being only linear. The instruments and other aids to the draughtsman were, in the times we have spoken of, of a very limited and imperfect description. It is only from

the sixteenth century onwards, after the invention of printing and wood engraving had rendered possible the publication of the works of Alberti, Vignola and Palladio by Scamozzi and others, that complete architectural drawings date. It was only after the doctrine of projection had been worked out that architectural draughtsmanship was able to attain the perfection it presents in the present day."

LEASES

- Jan. 22, 1915—Matthew Nunan to A Pomiencznski, 1250 Market N line bet 8th and 9th streets, 5 years. \$9750.
- Jan. 22, 1915—N. I. Braunstein and Jacob Kessler to Lena Edwards—3330 Fillmore, E Fillmore 107-6 N Lombard N 25x100, Dec. 15, 1915, \$100 per month.
- Jan. 22, 1915—Reinhold J and Pauline W Spahr to J H Greuly and Rudolph Landmann—327 "B" street, 5 years \$60 per month.
- Jan. 23, 1915—Mrs Pauline Weiss, Mrs M Rinne, Mrs A Bueher and Estate Franz Dietz to Geo Rezooff and Thos Stevenson (as Rezooff & Stevenson)—280 Golden Gate Ave, 3 years, \$50 per month with option to renew.
- Jan. 26, 1915—NO. 614 KEARNEY, 10 on Kearny by 17 SE Cor. Commercial. Vise Bakis to I Diris Banush, 35 months. \$1575.
- Jan. 25, 1915—SE SIXTH & SHIPLEY. Thos Lundy to Romain Aymard. 5 years. \$390 per month.
- Jan. 29, 1915—SE VAN NESS AVE & Francisco S 37-6xE 98. Bothin Real Estate Co to W L Glimm and E C Hemphill. 11 months, 15 days. \$1725.

INCORPORATIONS

"Phi Omega Segma Sorority." Social No Capital Stock. Place of business, San Francisco. 3 directors.

National Deposit & Mortgage Company. To deal in mining claims, rights and oil wells. Capital Stock, \$500,000; 500,000 shares at \$1 each; amount subscribed, \$90. Place of business, San Francisco. 9 directors.

Leed Granite Company. To operate granite quarries. Capital Stock, \$10,000; 10,000 shares at \$1 each; amount subscribed, \$10,000. Place of business, San Francisco. Directors—Werner Leed, 9985 shares; H. Graham, C. Morehouse and O. C. Wilson 5 shares each.

Spencer Improvement Co. General real estate business. Capital Stock, \$10,000; 10,000 shares at \$1 each; amount subscribed, \$30. Place of business, San Francisco. Directors—G. C. Spencer, T. G. Farr and J. A. Sanford, 10 shares each.

Universal Mfg. Agency Co. General manufacturers' agency business. Capital Stock, \$5000; 500 shares at \$10 each; amount subscribed, \$30. Place of business, San Francisco. Directors—J. K. Antonowitsch, J. B. Antonowitsch and K. M. Cohen 1 share each.

Honston Dredging & Hydraulic Co. General dredging business. Capital Stock, \$1,000,000; 1,000,000 shares at \$1 each; amount subscribed, \$7000. Place of business, San Francisco. 7 directors.

Delta Manufacturing and Supply Co. To manufacture and deal in products of steel. Capital Stock, \$10,000; 1000 shares at \$10 each; amount subscribed \$6510. Place of business, San Francisco. Directors—J. D. O'Hara, 500

shares; G. M. O'Hara, 100 shares; M. T. Torney, 50 shares; C. W. Schmucker 1 share.

NOTICE TO THE PUBLIC.

Office of the Collector of Internal Revenue,

First District of California.

San Francisco, Cal., Jan. 22, 1915.

To All Concerned:

You are advised that on or before March 1, 1915, a return of income must be filed by every individual with a net income of \$3,000 or over, and by every corporation, whether that corporation had income or not for the year 1914. It is of the utmost importance that this final date when a return can be accepted without penalty be understood by the public. The law requires that returns be in the hands of the Collector not later than March 1st. It will not be regarded as obedience to the law, therefore, that they be mailed on March 1st; they must be mailed in time to reach this office in the ordinary course of the mails not later than March 1st. Failure to file a return within the prescribed time will subject the delinquent taxpayer to an additional tax of 50 per cent and liability to a penalty of not less than \$20 nor more than \$1,000.

Those liable to make return are urged to do so at the earliest possible date and not to wait until the last day when, through inadvertence or oversight, they may fail to file their returns and thus subject themselves to additional taxes and penalties.

If any person does not understand the requirements of the Federal Income Tax Law he should at once write to the Collector of Internal Revenue at San Francisco for information and his letter will receive prompt attention.

Every person with a net income of \$3,000 or over must make return whether he or she be single or married. In this return a single person may claim exemption to the amount of \$3,000 and a married person living with a wife or husband to the amount of \$4,000. It is possible, therefore, that certain married persons will be required to make returns even though they may not be subject to the tax.

This office will do everything possible to inform the public in order that taxpayers may not subject themselves to penalties. I, therefore, strongly urge all who do not thoroughly understand the requirements of the law to submit their requests for information without delay. The proper forms on which returns must be made will be mailed upon application from Division Deputy Collectors at Oakland, Sacramento, San Jose, Fresno, Santa Rosa, Eureka, Stockton, and Chico, California, and at Reno, Nevada. The penalties provided in the Income Tax Law for failure of a person with sufficient income to make him liable to file return are severe. It is, therefore, urged that the public co-operate with this office to the end that the law shall be uniformly administered and complied with.

Respectively,

JOSEPH J. SCOTT,

Collector.

COLOMBIAN FOREIGN TRADE OPPORTUNITIES.

[Consul Ross Hazeltine, Cartagena.]

A number of inquiries are received at this consulate from American importers and manufacturers regarding the exports of certain unmanufactured products of Colombia that are useful and necessary to the manufacturing interests of the United States. It is planned to refer all such inquiries to the leading local newspapers, to be published as Colombian foreign trade opportunities similar to those published for American exporters in Commerce Reports. The names and addresses of the American inquirers will be suppressed, and interested persons will be referred to the American consulate for full information.

TO DEMONSTRATE AGRICULTURAL IMPLEMENTS.

[Commercial Agent Garrard Harris, Guatemala City.]

One of the largest dealers in hardware and farm equipment in Guatemala City suggests that it would be an excellent idea for some of the manufacturers of a line of farm and garden machinery of the simpler sorts to send a line of the goods to Guatemala in charge of a competent man who can speak Spanish, and who knows the practical operation of the contrivances, and give demonstrations. Every year there is a big fiesta and exhibition at the Hippodrome at Guatemala City and at other places in the Republic, the date of which can be ascertained. Indeed, merely to announce an exhibition in the papers and by hand bills in other places will be sure to attract a crowd. Then a practical demonstration of how the plows and other machinery work will do much to induce their purchase.

The dealer mentioned states that for a year or two he carried a line of this sort of machinery and sold almost none of it. Efforts to sell invariably met the answer that the prospective purchaser did not know how to operate the plow, or hand plow, or corn sheller, or whatever it happened to be. They wanted to see the things worked and learn. The merchant, of course, could not undertake this sort of demonstration and naturally did not sell any. But from long and intimate knowledge of the class buying farm equipment, he is positive that a campaign of education in the use of the simpler and more inexpensive farm appliances will result in a ready response on the part of the Guatemalan people.

SEWER PLANS ADOPTED.

RICHMOND, Contra Costa Co., Cal.—City Engineer Chapman's plans for the new sewers in the Meeker and Herman additions have been adopted by the City Council. Plans and specifications were also adopted for the sewer in the Bay View Tract District. Bids for this work will be advertised at an early date.

REMOVAL NOTICE.

THE OAKLAND ARTIFICIAL STONE & MANTEL CO. have removed their place of business to 4012 Hopkins St., where they will be pleased to meet their friends and patrons. (tf)

ADVANCE NEWS

Classified according to Character of Work

APARTMENT HOUSES.

SAN FRANCISCO—Apartment house, 4 story and base, brick and steel. Cost not stated. Architects, Rousseau & Rousseau, Monadnock Bldg., S. F. Owner, W. Props. The building will be erected on the south side of Post street 170 west of Larkin, and will contain a number of two, three and four room suites. Interior finish will be of pine, redwood and white enamel. Some hardwood floors will be used. There will be wall beds and private baths. Bath rooms will have tile wainscot and composition floors. Plans provide for steam heat, elevator service and a hot water supply. Marble wainscot will be used in the entrance. Exterior of the building will be faced with pressed brick and terra cotta. Plans are complete and figures are being taken.

SAN FRANCISCO—Apartment house, 4 story and base, brick and steel, \$32,000. Architect, Earl B. Scott, Humboldt Bank Bldg., S. F. Owner's name withheld. The building will be erected on Pine street, and has been designed to contain a total of 30 suites of two and three rooms with private baths. Interiors will be finished in pine, redwood and elm panels. Plans provide for steam heat, an automatic elevator and hot water supply. All suites will have wall beds. Bath rooms will have tile wainscot and composition floors. Marble wainscot will be used in the lobby. Exterior of the building will be faced with Diamond red pressed brick. Plans are complete and a contract will be awarded within a few days.

SAN FRANCISCO—Apartment house, 6 story and base, brick and steel. Cost not stated. Architects, Rousseau & Rousseau, Monadnock Bldg., S. F. Owner, Theo. A. Rulfs. The building will be erected on Jones street near Pine, and has been designed to contain a large number of two, three and four room apartments. Interior finish will be of pine, elm and red gum. Hardwood floors will be used in the living and dining rooms. Plans provide for steam heat, elevator service, a hot water supply and vacuum cleaning. All apartments will have private baths which will be finished in tile with composition floors. Wall beds are specified. Entrance will be finished in marble. Exterior of the building will be faced with pressed brick trimmed with terra cotta. Plans are complete and figures are being taken.

CHICO, BUTTE CO., CAL.—Apartment house and stores, 2 story and base, brick, \$25,000. Architect, none. Owner, F. W. Miller, Chico. The building will be erected at the corner of Third and Salem streets, and will cover a large ground area. The entire first floor will be given over to stores. Upper floor will be arranged for a number of two and three room suites with wall beds and private baths. Interior finish will be of pine and redwood. There will be steam heat and

a hot water supply. Bath rooms will have tile wainscot and composition floors. Patent store fronts are specified. Exterior of the building will be faced with pressed brick. Plans are complete and figures will be taken by the owner.

OAKLAND, CAL.—Apartment house, 4 story and base. Class C construction, \$70,000. Architect, Clay N. Barrrell, Albany Block, Oakland. Owner, J. Meyers. The building will be erected on Alice street, and has been designed to contain a total of 33 suites of two, three and four rooms. All apartments will have private bath rooms. Interior of the building will be finished in pine, redwood and hardwood. Some hardwood floors will be used. Plans provide for steam heat, elevator service, a hot water supply and vacuum cleaning system. Bath rooms will have tile wainscot and composition floors. All suites will be equipped with wall beds. Exterior of the building will be faced with pressed brick trimmed with terra cotta. Plans are complete and in the hands of the owner, who is now letting subcontracts for the work.

SAN FRANCISCO—Apartment house, 3 story and base, frame, \$20,000. Architect, C. E. Gottchalk, Phelan Bldg., S. F. Owner, Charles Farrell. This building will be erected on the north side of Filbert street west of Polk, and has been designed to contain a number of two and three room suites. Interior will be finished in pine and elm panels. There will be a hot water system and wall beds. All suites will have private bath rooms. Tile wainscot and composition floors will be used in the bath rooms. Marble and tile wainscot is specified for the entrance. Exterior of the building will be covered with shiplap and cement plaster on metal lath. Plans are nearly complete and figures will be called for at once.

SAN FRANCISCO—Apartment house and stores, 3 story and base, brick and frame, \$20,000. Architect, Charles E. J. Rogers, 24 California street, S. F. Owner's name withheld. The building will be erected on Mission street near 17th, and has been designed to contain stores on the first floor and a number of two and three room suites on the second and third floors. Interiors will be finished in pine and redwood. Plans provide for steam heat and a hot water system. All suites will have wall beds and private bath rooms. Tile wainscot will be used in the baths. Patent store fronts are specified. Exterior of the building will be covered with cement plaster and pressed brick veneer. Plans are complete and figures will be taken shortly.

OAKLAND, CAL.—Apartment house alteration, frame construction, \$3,000. Architect, none. Owner, C. M. MacGregor, 470 13th street, Oakland. The present three-story flat building on the west side of Fallon street, 125 feet north of 9th, will be altered into a

modern apartment house. Included in the work will be new interior partitions, plumbing, painting, electric work, plastering and interior finish. No exterior alteration is contemplated. Plans are complete and in the hands of the owner who will do the work by Day Labor.

SAN MATEO, SAN MATEO CO., CAL.—Apartment house, 3 story and base, frame, \$18,000. Architect, G. B. Hollenbeck, Thomson Bldg., Oakland. Owner's name withheld. The building will contain six suites of three rooms, two suites of four rooms and four suites of two rooms. Interiors will be finished in pine and redwood with some hardwood floors. Plans provide for steam heat and a hot water supply. All apartments will have wall beds and private bath rooms. Tile wainscot and composition floors will be used in the bath rooms. Marble and tile wainscot will be used in the lobby. Exterior of the building will be covered with cement plaster on metal lath. Plans are complete and the work will be done by Day Labor under the direction of the architect.

SAN FRANCISCO—Apartment house and store, 3 story and base, frame. Cost not stated. Architects, Fabre & Bearwald, Merchants' National Bank Bldg., S. F. Owner, Mr. Arnaud. The building will be erected on Lombard street west of Scott. There will be one store on the ground floor and four suites of three rooms each on the upper floors. All apartments will have wall beds and private baths. Interior finish will be of pine and redwood. A hot water system will be installed. Bath rooms will have tile wainscot and composition floors. Marble and tile wainscot will be used in the entrance. Exterior of the building will be faced with cement plaster on metal lath. Plans are complete and figures are being taken.

BONDS.

PORTERVILLE, TULARE CO., CAL.—By accepting a compromise offer of the State Highway Commission for a change in the location of the State road through Tulare County, the Supervisors have ended a controversy which has been standing for two years and closes the last gap in the road through the San Joaquin Valley.

The county agrees to construct the bridges over the line, provide the necessary right of way and finance the sale of approximately \$475,000 of State Highway bonds in consideration of a change in the road which makes it run past Mooney Grove, situated midway between Tulare and Visalia. Each of the Supervisors agreed to secure the rights of way in his district. About \$125,000 will be appropriated for the construction of bridges.

AUBURN, PLACER CO., CAL.—At a recent session of the Board of Supervisors, Auburn's school bond issue was sold to the N. W. Halsey Co. of San Francisco at par.

RICHMOND, CONTRA COSTA CO., CAL.—The Richmond Industrial Commission and the Richmond Water District Commissioners are now considering the calling of a bond election to bond the city for water.

Two previous elections were held last year to bond the city for \$2,500,000 to bring Sacramento River water here. The first lost by 67 votes, and the second was overwhelmingly defeated, although only one month separated the time between elections.

Among the proposed water supplies which will be considered are the San Pablo Creek project, several well projects, and a second Sacramento River filtration project.

REDLANDS, SAN BERNARDINO CO., CAL.—The County Highway Commission has received assurance that the good roads bonds and the county hospital bonds, aggregating \$1,750,000, will be purchased at a fair rate of interest. The bonds are to be sold on February 15, that being the date set by the Supervisors for the opening of the bids. From information given the Highway Commission there seems to be no doubt but that the bonds will meet with a ready sale.

KINGSBURG, FRESNO CO., CAL.—The Board of Trustees of the Kingsburg Joint Union High School District have decided to issue the expected call for a bond election for the purpose of voting on the question of issuing \$40,000 in bonds for the construction of a new building for the district. The bond election will be held Saturday, February 13, 1915.

The proposition to be voted on is, Shall the district issue bonds to the amount of \$40,000 for the purpose of building one or more high school buildings to be located on the ten-acre tract purchased for use as a high school site.

MALTA, MONT.—Bids will be received by I. L. Murphy, Clerk of School District No. 2, Valley County, until February 15th for the purchase of bonds in the sum of \$24,000. When sold plans for a new building will be ordered prepared.

BURLEY, IDAHO.—At the next general meeting of the School Board steps will be taken toward the calling of a bond election to vote on the issuance of \$80,000 bonds for the erection of a new school building.

PORTLAND, ORE.—The Multnomah County Commissioners have endorsed the plan of John B. Yeon, roadmaster, to call a special election for the contemplated road bond issue to be expended on trunk roads in Multnomah County.

The amount of the bond issue has not been determined, but it will be probably \$1,000,000 or \$1,120,000. With the issue, 65 miles of trunk roads would be hard-surfaced.

If the bond election carries, it will be the plan of the Board to hard-surface, first, the present macadamized trunk lines leading into Portland, including the Base Line and Linnton roads, leaving the Columbia River Highway beyond Sandy till the last.

Mr. Yeon will proceed at once with the petitions to secure the necessary 2,500 names.

HELLINGS, MONT.—The County Commissioners have sold both bond issues, providing for two new bridges across the Yellowstone River; one issue

amounting to \$82,000 and the other to \$45,000.

ASHLAND, ORE.—Local men formed a syndicate to take over Ashland's auxiliary water bonds on January 26 at par and accrued interest to date of delivery, if no acceptable outside bid is received. The bonds run 45 years, bear 5 per cent interest and aggregate \$175,000. The proceeds will be used to develop a number of mineral springs and improve the park with a view of developing a watering resort along the lines of Carlsbad and Kissengen, Austria. A new \$150,000 tourist hotel is assured among the other improvements.

SEATTLE, WASH.—The Finance Committee of the City Council has recommended for passage an ordinance calling for the submission to the voters at the March elections the question of issuing bonds in the sum of \$545,000 for the construction of a bridge over the Lake Washington Canal at Eastlake avenue and 10th avenue NE. to serve the Latona district, and the construction of a temporary bridge costing \$200,000 on permanent piers at 6th avenue.

LINCOLN SCHOOL DISTRICT, SANTA CLARA CO., CAL.—An election will be held on February 13th in the Lincoln School District to vote on the question of issuing and selling bonds in the sum of \$10,000.

Should the election carry the proceeds of the sale of bonds will be used in the construction of a school building.

Morgan Johnson, H. O. Shelley and A. Hansen are members of the Board of Trustees.

PORTLAND, ORE.—If a request made by the Public Docks Commission to the City Council is granted, the Council will submit to the voters at the June election the question of authorizing the issuance of \$900,000 in bonds to pay for the construction of grain elevators on the waterfront to handle wheat cargoes in bulk instead of in sacks, as at present.

EL PASO, TEX.—The County Commissioners have accepted the bid of James M. Wright & Co. of Denver, Colo., for the purchase of \$65,000 worth of Concordia school bonds.

OCEANSIDE, SAN DIEGO CO., CAL.—The City Trustees of Oceanside will call a special election within a few weeks for the voting of bonds in the sum of \$29,000 for municipal improvements, which will include a pavilion, city hall, improvements on pier and additions to the present water system.

PUENTE UNION HIGH SCHOOL, LOS ANGELES CO., CAL.—At a meeting of the Board of Supervisors, bids for bonds of the Puente High School in the sum of \$65,000 were opened and taken under advisement. Bids for the bonds of the Pacoima School District in the sum of \$15,000 were opened at the same meeting and the purchase was awarded to the Blythe-Witter Co. Bids for the bonds of the Gallatin School District were also opened and taken under advisement.

WHITTIER, LOS ANGELES CO., CAL.—The Lowell Joint School District will soon call an election to vote on the issuing and selling of bonds in the sum of \$30,000. Should the issue carry the proceeds of the sale will be used in the construction of a modern school building.

LOS ANGELES, CAL.—By the sale of \$75,000 worth of city high school bonds to William W. Gordon, the Board of

Education is enabled to close a deal for the purchase of the proposed high school site, located at Hopper, Comp-ton and 38th streets.

KLAMATH FALLS, ORE.—Klamath Lodge No. 1247, B. P. O. E., will immediately commence the erection of a new club house building on 3rd and Main streets. This was decided by the lodge when it was decided to issue bonds in the value of \$40,000 to pay for the structure; \$30,000 worth of the bonds have already been sold to members of the lodge and it is thought that the remainder will find a ready market.

C. S. Moore, Chas. Stone, J. E. Bodge, W. O. Smith and E. B. Hall are members of the Building Committee, who will submit plans for the building.

BAKERSFIELD, KERN CO., CAL.—The Board of Trustees of the Panama School District has decided to call a special election to vote bonds for the erection of a new school building which will cost from \$5,000 to \$8,000.

EL PASO, TEX.—The County Commissioners have completed the sale of \$360,000 bond issue voted for the purpose of erecting a new county court house and jail building at El Paso. The old site will be used and the entire \$360,000 will be available for the new building.

PRESCOTT, ARIZ.—The Board of Supervisors of Yavapai County is readvertising the sale of the \$250,000 bond issue recently voted for the erection of a new county court house at Prescott. The Board has a bid for the bonds, but it cannot be accepted without advertising. The bids are to be opened on March 8th. The Board will also readvertise for competitive architectural plans for the new building.

SANTA BARBARA, SANTA BARBARA CO., CAL.—The Board of Education of Santa Barbara is considering the question of calling a special election to vote bonds for the erection of additional high school buildings. The present high school buildings are entirely inadequate.

NAPA, NAPA CO., CAL.—The Supervisors of Napa County have sold the \$125,000 worth of State Highway bonds for \$117,763 and accrued interest to date of delivery.

The purchaser was the Anglo and London-Paris National Bank of San Francisco, the highest of the several bidders.

STAFFORD, ARIZ.—Bonds in the sum of \$40,000 have been voted and sold for the erection of a new high school building.

NUERO SCHOOL DISTRICT, RIVERSIDE CO., CAL.—A special election will be held in the Nuevo School District, Riverside County, on February 15th to vote bonds in the sum of \$2,900 for the erection of a new school building.

VISALIA, TULARE CO., CAL.—The Board of Supervisors of Tulare County has agreed to purchase sufficient State Highway bonds to insure the construction of the State Highway through Tulare County. The county will also build the necessary bridges. The total cost of the work is estimated at about \$600,000.

SAN FERNANDO, LOS ANGELES CO., CAL.—The Board of Trustees will call a special election to vote bonds in the sum of \$73,000 for purchasing and improving the local water system. The cost of the present system will be about \$32,000, and it will require a sim-

ilar amount for improvements and extensions. The sum of \$8,000 will be used for the purchase of fire equipment.

WILLOWS GLENN CO., CAL.—The Rev. J. H. von Renner of Germantown is circulating a petition to call an election to vote on issuing and selling bonds to build a \$10,000 grammar school building at Germantown.

From the number of signatures already secured it is thought that the issue will carry.

BRIDGES AND DAMS.

OAKLAND, CAL.—Boat house, 1 story, reinforced concrete, \$10,000. Architect, W. D. Reed, Oakland Bank of Savings, Oakland. Owners, City of Oakland. This building has been mentioned here before when plans were first started. Bids are now being taken and will be opened by the Park Commission on February 3rd. The building has been designed to accommodate canoes exclusively. Interior finish will be of pine. Exterior of the building will be faced with cement plaster. A clay tile roof will be used. Bids will be opened at the same meeting for a frame tower to be erected for the Park Commission. Plans can be secured from the office of the architect or from the Secretary of the Park Commission.

RICHMOND, CONTRA COSTA CO., CAL.—Municipal wharf, timber pile construction. Cost not stated. Engineers, Haviland & Tibbitts, Alaska-commercial Bldg., S. F. Owners, City of Richmond. Revised plans for the construction of Municipal Wharf No. 1 have been completed and are now out for figures. The revisions do not affect the length or width of the structure as it was at first contemplated, but include the following substitutions: Timber for sheet piling, asphalt macadam for wood block paving, simpler cornice work, cluster for single piling and rock fill behind the bulkhead. Bids will be opened on February 15th at 8 p. m. Plans and specifications can be secured from the engineers.

WASCO, KERN CO., CAL.—Bridges, timber construction. Cost not stated. Engineer, County Surveyor, Bakersfield. Owners, Kern County. Plans for constructing a number of pile and timber bridges and for grading about three miles along the Wasco-Lost Hills road have been completed. Plans are now out for figures and bids will be opened on February 8th. Plans and specifications can be secured from the office of the County Surveyor, Bakersfield.

FAMOSA, KERN CO., CAL.—Bridge, reinforced concrete. Cost not stated. Engineer, County Surveyor, Bakersfield. Owners, Kern County. Plans are complete for the construction of a reinforced concrete bridge over Poso Creek at Famosa. The bridge will be 110 feet long with four spans. Plans can be secured from the County Surveyor's office. Bids will be opened on February 10th.

PORTLAND, ORE.—Bridges, 3, reinforced concrete. Cost not stated. Engineer, State Highway Commissioner H. L. Bowlby, Portland. Owners, Multnomah County. Plans and specifications have been completed and bids are now being received by the

Multnomah County Commissioners, W. L. Lightner, chairman, for the construction of three reinforced concrete bridges to be erected on the Columbia Highway between Warrendale and Bonneville. The date set for the opening of the proposals is 10 a. m. February 17th. Plans for the structures, which were prepared under the supervision of H. L. Bowlby, State Highway Engineer, are to span Pierce, Moffett and Tanner Creeks in the east end of the county. The first named will be a girder bridge 65 feet high with 9 spans of 40 feet each, making a total of 360 feet; the Moffett bridge will be a single arch structure 75 feet high and the other will be 60 feet in length.

REDWOOD CITY, SAN MATEO CO., CAL.—Harbor improvement. Cost not stated. Engineer, Picto, Redwood City. Owners, Redwood City. Engineer Picto, who is in charge of the harbor work at Redwood City, has prepared plans for additional work, which includes dredging and the construction of considerable retaining wall. Bids will be called for as soon as the engineer's plans are approved by the City Trustees.

CHURCHES.

STOCKTON, SAN JOAQUIN CO., CAL.—Church, 2 story and base, brick and frame, \$25,000. Architect, John J. Foley, 46 Kearny street, S. F. Owners, St. Gertrude's Parish. The building has been designed in the classic style and will contain besides the main auditorium, Sunday school rooms and a large hall. Interior will be finished in pine and ornamental plaster. Plans provide for a central heating system. Considerable marble, tile and art glass will be used. Exterior of the building will be faced with pressed brick veneer. Plans are complete and figures are being taken.

FACTORIES AND WAREHOUSES.

OAKLAND, CAL.—Factory, 1 story and base, reinforced concrete. Cost not stated. Architect, Edward McManus, Herberts' Hotel, S. F. Owners, Marchant Calculating Machine Co., Syndicate Bldg., Oakland. This, the first unit of a large plant, which has been designed in three units, will be erected on Stanford avenue and will cover a ground area of 300 by 40 feet. There will be a cement floor. Interior finish will be of pine. Metal window sash and frames are specified. Exterior of the building will be faced with cement plaster. Bids are now being taken on this unit by R. H. Marchant, Syndicate Bldg., Oakland. Further mention will be made of the other units as bids are called.

LOS ANGELES, CAL.—Warehouse, 1 story, reinforced concrete, \$15,000. Architect, Houghton Sawyer, Shreve Bldg., S. F. Owners, General Chemical Co. The building will cover an area of 80 by 100 feet, and will be of fire-proof construction with reinforced concrete floor, walls and roof slabs. Metal window sash and frames and steel rolling doors are specified. Interior will be finished in pine. Exterior of the building will be faced with cement plaster. Plans are complete and figures are being taken.

Contracts Awarded.

SAN FRANCISCO—Express shed, 2 story, frame. Cost not stated. Engineer, Assistant State Engineer Newman, Ferry Bldg., S. F. Owners, State of California. Contractor, Fred L. Hanson, S. F. Contract price, \$38,946. Twenty-four bids in all were presented for this work. A complete list of these figures appears under the heading of San Francisco in this issue.

FIRE HOUSES AND JAILS.

SAN FRANCISCO—Fire house, 2 story and base. Class B construction, \$40,000. Architect, City Department of Architecture, Temporary City Hall, S. F. Owners, City and County of San Francisco. This new fire house will be erected on Powell street. The main floor will house four pieces of apparatus, while the upper floor will contain living quarters for the men and electric room and social room. Interior will be finished in pine and hardwood. There will be special electrical equipment, shower baths and steam heat. Ornamental iron and bronze are specified. Exterior of the building will be faced with pressed brick and terra cotta. Plans have been ordered prepared.

SACRAMENTO, CAL.—Fire house, 1 story, frame. Cost not stated. Architect's name not given. Owners, City of Sacramento. Plans have been completed for a one-story frame fire house to be erected in Oak Park District. The building will house two pieces of apparatus. Interior will be finished in pine and redwood. A cement floor will be used. Exterior of the building will be covered with cement plaster on metal lath. Bids will be opened on February 4th. Plans can be secured from the City Clerk's office.

FLATS.

SAN FRANCISCO—Flat alteration. 2 story and base, frame. Cost not stated. Architect, Albert Lapachet, 110 Sutter street, S. F. Owner's name withheld. The present old fashioned residence at the corner of Broderick and Eddy streets will be altered into a modern flat building, containing two flats of six rooms each. Included in the work will be new plumbing, painting, interior finish, electric work and plastering. Exterior of the building will be covered with cement plaster on metal lath. Plans are complete and figures are being taken.

BERKELEY, ALAMEDA CO., CAL.—Flats, 2 story and base, frame, \$6,000. Architect, none. Owner, Olaf Johnson, 1811 Rose street, Berkeley. The building will be erected at the northwest corner of Rose and Josephine streets, and has been designed to contain sixteen rooms, which will be arranged in four and six room flats. Interior finish will be of pine, redwood and elm. Some hardwood floors will be used. There will be open fire places and tile mantels. Bath rooms will have tile wainscot and composition floors. A hot water circulating system will be installed. Exterior of the building will be covered with cement plaster on metal lath. Plans are in the hands of the owner who will do the work by Day Labor. Materials are now being purchased.

GOVERNMENT WORK & SUPPLIES.

San Francisco, Cal., Triplex Pump, Etc.

As previously reported, the contract for the installation of motor-driven triplex pump, fuel-oil regulator, oil burners, etc., in the U. S. mint, San Francisco, Cal., was awarded to S. T. Johnson Co., San Francisco, Cal., who will use fixtures and material manufactured by the following firms in the prosecution of the work: Motor-driven triplex pump, Deane Steam Pump Co.; electric motor for pump, General Electric Co.; armature resistance for motor, do; fuel-oil regulator, Goodwin & Dawson; oil burners, S. T. Johnson Co.;

Prospective Bidders.

Specifications for work under the office of the supervising architect have been furnished to the following firms in addition to those previously noted in these columns:

Miles City, Mont., Construction, February 27.

George W. Stiles Construction Co., Rookery Building, Chicago, Ill.

The Gray Construction Co., Watertown, S. D.

Sound Construction and Engineering Co., Seattle, Wash.

Johnson Construction Co., 624 Plymouth Building, Minneapolis, Minn.

J. H. Wiese, 1301 City National Bank Building, Omaha, Neb.

Daniel T. McCarthy, 411 Walnut street, Philadelphia, Pa.

J. W. Miller, St. Paul, Minn.

King Lumber Co., Charlottesville, Va.

Wm. O'Neil & Son Co., O'Neil Building, Faribault, Minn.

F. M. Chandler, Union Trust Building, Washington, D. C.

Stebinger Bros., Portland, Ore.

John Lauritzen, Fergus Falls, Minn.

William G. Reed & Co., Dillon, Mont.

Reynolds & Sypher, 84-85 Owsley Block, Butte, Mont.

Yards and Docks.

Specifications for work under the bureau of yards and docks, Navy Department, have been furnished to the following firms in addition to those previously mentioned in these columns:

Radio Towers, February 27—Specification 2130.

Atlantic, Gulf and Pacific Co., Park Row Building, New York City.

Milwaukee Bridge Co., Milwaukee, Wis.

U. S. Steel Products Co., 30 Church street, New York City.

Independent Bridge Co., Pittsburgh, Pa.

American Bridge Co., Continental Building, Baltimore, Md.

Penn Bridge Co., Beaver Falls, Pa.

Pittsburgh-Des Moines Steel Co., Curry Building, Pittsburgh, Pa.

Henry Monk, Pensacola, Fla.

Pacific Construction Co., San Francisco, Cal.

Canal Requisitions.

The purchasing officer of the Panama Canal will soon call for bids for furnishing the following supplies and material: 1,200 memo books, not indexed; 50,000 sheets manila tag paper; A quantity of repair parts for cars, consisting of buffers, chains and hooks, truck lever connections, dogs, pedestals, pine plates, springs, washers, etc. 12 cable end bells, vertical, edgewise

type; 60 primary cut-outs; 700 lbs varnished cambric type; 650 feet waterproof single leather belting; 100 feet 6-ply, 8-inch rubber belting; 5,000 light corn brooms; 1,500 heavy corn brooms; 250 high-grade rattan switch brooms; 2,000 lbs stearic acid candles; 350 garbage can covers; 35,000 feet B. M., white oak lumber; 4,000 feet, B. M., poplar lumber; 100 gallons muriatic acid, in 5-gallon carboys; 250 gallons aluminum liquid paint; 25 gallons aqua ammonia; 1,000 lbs dry lampblack; 3,500 lbs dry chrome green; 1,000 lbs chrome yellow, in oil; 20 gallons gold size drier, in japan; 500 gallons green inside cab paint enamel; 100,000 lbs white lead, in oil; 4,000 gallons boiled linseed oil; 10,000 lbs putty, in oil; 100 gallons liquid paint and varnish remover, in 5-gallon tins; 3,000 lbs rock salt, for stable use; 2,000 lbs orange gum shellac; 1,000 lbs burnt sienna, in oil; 2,000 lbs caustic soda; 2,000 lbs sal soda; 300 gallons rubbing varnish; 400 gallons interior varnish; 1,000 lbs dry white zinc; 50,000 lbs white zinc, in oil; 10,000 lbs salt water soap; 100 lbs large sponges; 5,000 cross-ties; 500 lbs solid rubber tires; 300 lbs cotton sail twine. A quantity of carriage, machine, and stove bolts and nuts. 144 ship augur bits; 120 spur augur bits; 3 blacksmiths' anvils, 250 lbs each; 21,600 hacksaw blades; 48 carpenters' ratchet braces; 600 machinists' cold chisels; 300 half-round second-cut files; 180 square bastard files; 144 second-cut three-square files; 3,900 slim taper double-cut files; 180 standard taper pin reamers; 247 taper bridge reamers; 1,150 taper bridge high-speed reamers; 72 hand saws; 24 hand rip saws; 24 sets stocks and dies; 240 machinists' right-hand taps; 6 machinists' left-hand taps; 144 machinists' screw taps.

Puget Sound, Wash., Ward Pavilions.

The following bids were received by the chief of the bureau of yards and docks, Navy Department, Washington, D. C., for ward pavilion at the naval hospital reservation, Puget Sound, Wash.:

Item 1, net price for work, complete, in accordance with the drawings and specifications, not including fence; item 2, amount to be added to net price under item 1 if ceilings in ward pavilions A and C be treated the same as the walls with painted, built-up wall covering as specified in, paragraphs 45, 74 and 75, if ceilings are used the roof framing and roof sheathing will not be painted, nailing pieces for built-up coverings shall be installed 16 inches on centers or as required by the material used, openings under ventilators shall be screened as in pavilion B; item 3, net price for installing fence in accordance with drawings and specifications, paragraphs 132 to 138, inclusive; item 4, amount for pavilion to be added to net price under item 1, after the addition of item No. 2, if ceilings and interior walls and partitions of ward pavilions A or C or both be finished with an approved prepared fabric; the fabric shall be a closely woven cotton cloth suitably sized and painted two coats of white lead and linseed oil lightly sandpapered after each coat; the fabric shall be approximately 75 inches wide and shall be hung with fresh stiff flour paste with or without glue; the walls shall be sized before the fabric is ap-

plied, painting specified under paragraph 45 shall be omitted; the wall fabric, after it has thoroughly dried in place, shall be given one coat of flat white lead and linseed oil paint and one coat of enamel paint; paint shall be tinted as directed; quarter-round moldings set in white lead shall be installed at all interior angles; item 5, amount to be added to net price under item 1 if walls and ceilings of ward pavilion B be treated as specified under item 4; item 6, amount to be deducted from net price under item 1 if all heating, electric, and plumbing work beyond 5 feet outside of building lines be omitted; item 7, amount to be deducted from net price under item 1 if ward pavilion C be omitted; plumbing, heating, and electric lines north-east of ward pavilion B shall be omitted except main water supply line, which shall remain as indicated; connections shall be provided for future ward pavilion as directed:

Fleines & Dahl, Seattle, Wash., item 1, \$14,769; 2, \$300; 3, \$375; 4, \$480; 5, \$480; 6, \$970; 7, \$4,300.

Carlson & Son, Seattle, Wash., item 1, \$13,348; 2, \$242; 3, \$158; 4, \$120; 5, \$130; 6, \$490; 7, \$4,035.

L. L. Lent, Bremerton, Wash., item 1, \$13,227; 2, \$246; 3, \$546; 4, \$373; 5, \$392; 6, \$486; 7, \$3,960.

Harry H. Cotton, Port Angeles, Wash., item 1, \$16,643; 2, \$100; 3, \$225; 4, \$140; 5, \$145; 6, \$1,781; 7, \$4,612.

Hansen & Co., Seattle, Wash., item 1, \$15,900; 2, \$153.50; 3, \$350; 4, \$153; 5, \$172; 6, \$1,032; 7, \$1,934.

Gutleben Bros., San Francisco, Cal., item 1, \$14,980; 2, \$100; 3, \$300; 4, \$120; 5, \$120; 6, \$425; 7, \$4,750.

Calling & Hoburg, Seattle, Wash., item 1, \$12,382; 2, \$253; 3, \$259; 4, \$496; 5, \$263; 6, \$937; 7, \$3,683.

Wm. Wills, Seattle, Wash., item 1, \$14,543; 2, \$250; 3, \$281; 4, \$410; 5, \$200; 6, \$950; 7, \$4,700.

Satley Matthese, Seattle, Wash., item 1, \$12,996.50; 2, \$218; 3, \$493; 4, \$347; 5, \$376; 6, \$463; 7, \$4,124; if brick piers are used instead of concrete, deduct \$200.

J. L. Murphy & Sons, Tacoma, Wash., item 1, \$13,824; 2, \$226; 3, \$275; 4, \$190; 5, \$390; 6, \$800; 7, \$4,044.

N. T. Barnes, Kent, Wash., item 1, \$12,722; 2, \$100; 3, \$100; 4, \$120; 5, \$120; 6, \$849.50; 7, \$3,756.60.

Charles H. Schaar, Seattle, Wash., item 1, \$13,450; 2, \$132; 3, \$298.50; 4, \$246; 5, \$253; 6, \$599; 7, \$3,630.

Eckman & Mowat, Seattle, Wash., item 1, \$13,200; deduct by telegram \$475; 2, \$500; 6, \$700; 7, \$4,275; deduct by telegram \$100.

Lomark & Herydal, Tacoma, Wash., item 1, \$12,657; 2, \$30; 3, \$375; 4, \$710; 5, \$400; 6, \$820; 7, \$3,906.

Balch & Arnold, Seattle, Wash., item 1, \$12,859.70; 2, \$325; 3, \$272; 4, \$155; 5, \$170; 6, \$785; 7, \$4,015.

M. A. Benbennick, Bremerton, Wash., item 1, \$14,304; 2, \$14,604; 3, \$400; 4, \$14,904; 5, \$14,504; 6, \$14,004; 7, \$10,066.

Bert Ward, Seattle, Wash., item 1, \$11,366.75, add for compo board \$200; 2, \$86, add for compo board \$80; 3, \$174.20; 4, \$240; 5, \$255; 6, \$550; 7, \$3,500.

B. J. Erizkson, Seattle, Wash., item 1, \$12,483.45, deduct for beaver board \$159; 2, \$12,693.45, deduct for beaver board \$400; 3, \$250; 4, \$150; 5, \$165; 6, \$340; 7, \$3,850.

Oakland Harbor, Cal., Dredging.

The contract for dredging in Oakland Harbor, Cal., has been divided as follows: Thomas Carlin Sons Co., Pittsburgh, Pa., \$3,530, and R. A. Perry, Oakland, Cal., \$45,520.

Hoist for Roller.

The Secretary of the Interior has authorized the reclamation service to award contract to the Link Belt Co., of Chicago, Ill., for the hoist for the 60-foot roller for the diversion dam of the Grand Valley irrigation project, Colorado. This hoist will weigh 44 tons. The roller forms a portion of the movable crest for the Grand River diversion dam. The contract price is \$1,600.

San Francisco, Cal., Furniture.

The contract for furnishing and installing furniture in the U. S. post office and court house at San Francisco, Cal., has been awarded to J. G. Klemm at \$515.

Lime Kiln Light, Converting Buoys.

The following bid was received by the light-house inspector, 17th district, Portland, Ore., for converting 4 No. 9½ Wilson buoys to high-pressure acetylene type for Lime Kiln light and Lower Sands light:

American Gasaccumulator Co., Philadelphia, Pa., \$3,980; accepted.

HALLS AND SOCIETY BUILDINGS.

AUBURN, PLACER CO., CAL.—Lodge Hall and stores, 3 story and base, reinforced concrete, \$37,000. Architect, A. D. Fellows, Auburn. Owners, Auburn Masonic Hall Association. The building has been designed for stores on the first floor and lodge rooms and offices on the upper two floors. Interior will be finished in pine and hardwood with maple floors in the lodge rooms. There will be steam heat and vacuum cleaning. Some tile and ornamental plaster will be used. Patent store fronts are specified. Exterior of the building will be faced with cement plaster. Plans are being prepared and figures will be called for shortly.

Contracts Awarded.

TACOMA, WASH.—Lodge building, 4 story and base, reinforced concrete, \$100,000. Architect, C. Frere Champney, Henry Bldg., Seattle. Owners, Elks' Hall Association, Tacoma. Contractors, Cornell Bros., Savage-Schofield Bldg., Tacoma. Contract price, \$100,000.

HOSPITALS.

SAN FRANCISCO—Hospital alteration, frame construction, \$7,500. Architect, Alfred I. Coffey, Humboldt Bank Bldg., S. F. Owners, St. Francis Hospital. The front portion of the main floor of the St. Francis Hospital will be altered and a large waiting and reception room will be installed. Included in the work is caen stone wainscoting, electric work, plumbing, ornamental plastering, painting, art glass skylights and tile work. Plans are complete and the work will be done by Day Labor. Materials are now being purchased.

Contracts Awarded

STOCKTON, SAN JOAQUIN CO., CAL.—Hospital, 2 story and base, reinforced concrete, \$100,000. Architect, Walter King, Elks' Bldg., Stockton.

Owners, St. Joseph's Home. Contractor, James Mulcahy, Stockton. Contract price, \$100,000.

HOTELS.

SAN FRANCISCO—Hotel and stores, 3 story and base, frame, \$15,000. Architect, Charles C. Frye, 20 Montgomery street, S. F. Owner's name withheld. The building will be erected in the district south of Market street and has been leased to a well known Japanese hotel proprietor. There will be thirty rooms, six baths and a barber shop. The first floor will contain stores and the lobby. Interior will be finished in pine throughout. Composition floors will be used in the bath rooms. Plans provide for a hot water system. Exterior of the building will be faced with cement plaster on metal lath. Plans are complete and figures are being taken.

LIBRARIES.

SAN FRANCISCO—Library, 2 story and base, brick and terra cotta. Cost not stated. Architect, G. Albert Lansburgh, 709 Mission street, S. F. Owners, City and County of San Francisco. Bids for the construction of the Mission Branch Library were opened by the Library Trustees Tuesday afternoon, January 26, in the offices of the architect. O. C. Holt presented the lowest figure for the general construction at \$24,990; S. W. Band was low on the plumbing at \$831, \$874 and \$877; J. C. Hurley was low on the heating at \$3,078; R. Postler low on the painting at \$1,225; Gladding-McBean low on the architectural terra cotta work at \$9,200, the Judson Iron Works low on the structural steel at \$3,408, and the Decker Electric Co. low on the electric work at \$1,230. All bids were taken under advisement by the Library Trustees. Bids on the general construction were submitted with six alternates and when these are considered may change the low bid. A complete list of the bids received will be found under the heading of San Francisco in this issue.

WILLITS, MENDOCINO CO., CAL.—Library, 1 story, brick, \$10,000. Architect, Tobias Bearwald, Merchants' National Bank Bldg., S. F. Owners, Town of Willits. Architect Tobias Bearwald is completing working drawings for the Willits Library, and plans will be out for figures in about three weeks. The building will be one story and basement brick structure, faced with pressed brick. There will be furnace heat and redwood interior finish. An estimated cost of \$10,000 is placed on the building.

RAILROAD CONSTRUCTION AND EQUIPMENT.

EUREKA, HUMBOLDT CO., CAL.—Electric railroad extension. Cost not stated. Engineer's name not given. Owners, Hill-Guggenheim. President D. W. Hanson, of the Eureka Development Association, has given out a statement that the Hill-Guggenheim interests have determined to make Eureka the terminal of a railroad that will connect with the Hill transcontinental line at Klamath Falls, Ore. The proposed line will be electrically operated, the power being furnished by the Langford project at Ishi Pishi Falls

on the Klamath, and another plant to be established at Klamath Falls. The road will be constructed down the Klamath River to Requa, entering Humboldt County by way of Trinidad. Surveyors are in the field along the Klamath.

LOS ANGELES, CAL.—Commissary and car shed, 2 story, brick and steel. Cost not stated. Engineer, G. W. Harris, Kerchoff Bldg., L. A. Owners, Santa Fe Railroad Co. The building will be erected in the Seventeenth street yards, and will cover a considerable ground area. A special feature of the building will be a concrete refrigerating room with cork insulation. Interior finish will be of pine. Plans call for modern plumbing and electric work. Exterior of the building will be faced with pressed brick. Plans are complete and figures are being taken.

SALT LAKE CITY, UTAH.—Passenger depot, 2 story and base, reinforced concrete. Cost not stated. Architects, Hunt & Burns, Laughlin Bldg., L. A. Owners, San Pedro, Salt Lake and Los Angeles R. R. Co., Pacific Electric Bldg., L. A. Construction will be handled through the Chief Engineer's office, Arthur Maguire, 539 Pacific Electric Bldg., L. A. Construction will not be started for some time. Further details will be given of this building when bids are called.

RESIDENCES.

SAN FRANCISCO—Residences, 3, 2 story and base, frame, \$8,000 each. Architect, Edward E. Young, 251 Kearny street, S. F. Owner, M. A. Little, 1347 4th avenue, S. F. These houses will be erected on the west side of Broderick street south of Union, each having a frontage of 30 feet and a depth of 52 feet. Basements will be used for garages. Each house will contain eight rooms and two baths. Interiors will be finished in pine, redwood, hardwood and white enamel. Hardwood floors will be used in the principal rooms. There will be furnace heat and open fire places. Mantels will be of tile and brick. Bath rooms will be finished in tile. Automatic water heaters will be installed. Exteriors will be covered with rustic and cement plaster on metal lath. Plans are complete and figures are being taken.

SAN FRANCISCO—Residence, 2 story and base, frame, \$2,500. Architect, none. Owner, F. Nelson, 30 Presidio Terrace, S. F. The dwelling will be erected on Carl street east of Arguello Boulevard, and has been designed to contain five rooms with a garage in the basement. Interior will be finished in pine throughout. Hardwood floors will be used in the principal rooms. There will be open fire places and tile or brick mantels. Tile wainscot will be used in the bath room and kitchen. Exterior of the dwelling will be covered with rustic and cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor. Materials are now being purchased.

SAN FRANCISCO—Residence, 2 story and base, frame, \$8,000. Architect, Joseph A. Leonard, 85 Cerritos avenue, S. F. Owners, Urban Realty Co. The dwelling will be erected at the northwest corner of Estero and Alviso streets and has been designed to contain seven rooms, two baths, sleeping

porches and a garage. Interior will be finished in pine, redwood, hardwood and white enamel. Hardwood floors will be used in the living room, dining room, library and reception hall. There will be furnace heat, a hot water circulating system and open fire places. Mantels will be of tile or brick. Bath rooms will be finished in tile. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are complete and in the hands of the owners who will do the work by Day Labor.

OAKLAND, CAL.—Residence, 2 story and base, frame. Cost not stated. Architect, John Hudson Thomas, First National Bank Bldg., Berkeley. Owner, C. S. Cherry. The dwelling will be erected in Rockridge Park, and has been designed for a seven-room house with bath and sleeping porch. Interior will be finished in pine, hardwoods and white enamel. Hardwood floors will be used in the living room, dining room and reception hall. Plans provide for furnace heat and open fire places. Mantels will be of tile or brick. An automatic water heater will be installed. Bath room will have tile floor and wainscot. Exterior of the house will be covered with cement plaster on metal lath. Plans are complete and figures are being taken.

OAKLAND, CAL.—Residence, 2 story and base, frame, \$4,800. Architect, none. Owner, Dr. W. L. McCracken, 1327 Broadway, Oakland. The dwelling will be erected on the south side of Lake Shore Drive east of Walla Vista, and has been designed for a seven-room house with two baths and sleeping porch. A private garage will occupy the basement. Interior of the dwelling will be finished in pine and hardwood with some white enamel. Hardwood floors will be used throughout. Bath rooms will be finished in tile. Plans provide for furnace heat and open fire places. Mantels will be of tile and brick. An automatic water heater will be installed. Exterior of the house will be covered with cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor. Materials are now being purchased.

OAKLAND, CAL.—Residence, 2 story and base, frame, \$3,000. Architect, none. Owner, Paul E. Woodburn, 3965 Greenwood avenue, Oakland. The dwelling will be erected on the east side of Greenwood avenue, south of Brighton, and has been designed to contain seven rooms and bath. Interior finish will be of pine, redwood and white enamel. Hardwood floors will be used in the living room, dining room and reception hall. There will be furnace heat and open fire places. Mantels will be of tile and brick. Tile wainscot will be used in the bath room. An automatic water heater will be installed. Exterior of the house will be covered with cement plaster on metal lath. Plans are complete and the work will be done by Day Labor under the personal direction of the owner.

OAKLAND, CAL.—Residence, 2 story and base, frame, \$5,000. Architect, none. Owner, William C. Mason, 1561 Marin View avenue, Berkeley. The dwelling will be erected on the north side of Ocean View avenue east of The Cross roads, and has been designed for an eleven-room house with two baths and sleeping porches. Interior finish

will be of pine and redwood. Hardwood floors will be used in the principal rooms. There will be furnace heat and open fire places. Mantels will be of tile or brick. Tile wainscot will be used in the bath rooms. An automatic water heater will be installed. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor. Materials are now being purchased.

OAKLAND, CAL.—Residence, 2 story and base, frame \$10,000. Architects, Schirmer-Bugbee Co., Dalziel Bldg., Oakland. Owner, Dr. W. F. Shores. The dwelling has been designed for an eight-room house with three baths, sleeping porch and separate garage, and will be erected in the Crocker Highlands. Interior will be finished in pine, hardwoods and white enamel. Hardwood floors will be used throughout. Bath rooms will be finished in tile and equipped with showers. Plans provide for furnace heat, a hot water circulating system and vacuum cleaning. There will be several open fire places and tile or brick mantels. Exterior of the house will be covered with cement plaster on metal lath. Plans are complete and in the hands of the owner who is taking subfigures on the work.

OAKLAND, CAL.—Residence, 2 story and base, frame, \$3,500. Architect Hiram King Lovell, 781 Brooklyn avenue, Oakland. Owner, H. M. Walker, Monadnock Bldg., S. F. The dwelling will be erected on Arimo avenue east of Walla Vista and has been designed to contain six rooms and bath. Interior will be finished in pine and redwood. Hardwood floors will be used in the living and dining rooms and reception hall. There will be furnace heat and open fire places. Mantels will be of tile or brick. Tile floors and wainscot will be used in the bath rooms. An automatic water heater will be installed. Exterior of the house will be covered with rustic and cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor. Materials are now being purchased.

OAKLAND, CAL.—Residence, 2 story and base, frame, \$20,000. Architects, Schirmer-Bugbee Co., Dalziel Bldg., Oakland. Owner's name withheld. The dwelling will be erected in Rockridge Park, and has been designed to contain twelve rooms, three baths and sleeping porch. A separate garage will be erected on the property. Interior of the dwelling will be finished in pine, redwood, hardwood and white enamel. Hardwood floors will be used in the principal rooms. Plans provide for a central heating system, a hot water circulating system, open fire places and vacuum cleaning. Bath rooms will have tile wainscot and floors. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are now being prepared.

BERKELEY, ALAMEDA CO., CAL.—Residence, 1½ story and base, frame, \$3,500. Architect, H. P. Smith, Blake Bldg., Oakland. Owner, P. O. Boyd. The dwelling has been designed for a six-room house with bath and sleeping porch, and will be erected in Boyd Court. Interior finish will be of pine and redwood. Hardwood floors will be used in the living room, dining room and reception hall. There will be open

fire places. Mantels will be of tile. Tile wainscot will be used in the bath room. An automatic water heater will be installed. Exterior of the house will be covered with cement plaster on metal lath. Plans are now being prepared.

MARTINEZ, CONTRA COSTA CO., CAL.—Bungalows, 6, 1 story and base, frame, \$1,500 each. Architect, Charles C. Frye, 20 Montgomery street, S. F. Owner's name withheld. These dwellings will be erected on a new tract to be developed, and each will contain five rooms and bath. Interiors will be finished in pine and redwood. There will be an open fire place in each living room. Mantels will be of brick. Exteriors will be covered with cement plaster and half timber. Plans are complete and figures will be called for shortly. Bids will be taken by both the architect and owner.

STOCKTON, SAN JOAQUIN CO., CAL.—Parish house, 2 story and base, frame, \$10,000. Architect, John J. Foley, 46 Kearny street, S. F. Owners, St. Gertrude's Parish. The dwelling has been designed for a ten-room house with two baths and a large hall in the basement. Interior finish will be of pine and redwood. Hardwood floors will be used in the living room, dining room, library and reception hall. Plans provide for furnace heat and open fire places. Mantels will be of tile and brick. An automatic water heater will be installed. Bath rooms will be finished in tile. Exterior of the house will be covered with cement plaster on metal lath. Plans are complete and figures are being taken.

SACRAMENTO, CAL.—Residences, 1 and 2 story, frame. Cost not stated. Architect, none. The following Day Labor jobs are reported as about to begin in Sacramento: J. J. Jennings, 2022 30th street, 2-story, 6-room dwelling, \$2,500; J. W. Jones, 21st and Hillcrest, 1-story, 6-room bungalow, \$2,600, and Olaf J. Johnson, 2915 V street, 1-story, 6-room dwelling, \$2,500. Plans for these buildings are in the hands of the owners, who will do the work by Day Labor. Materials are now being purchased.

PATTON, SAN BERNARDINO CO., CAL.—Residence, 2 story and base, frame. Cost not stated. Architect, State Architect George B. McDougall, Sacramento. Owners, State of California. Plans are complete and figures are now being taken for the construction of a new residence for the Superintendent of the Southern California Hospital at Patton. The dwelling will contain seven-rooms, baths and sleeping porches. Interior will be finished in pine and redwood. Hardwood floors will be used in the principal rooms. There will be open fire places and tile mantels. Bath rooms will have tile wainscot and floors. An automatic water heater will be installed. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans can be secured from the State Department of Engineering at Sacramento. Bids will be opened on March 1st. An official proposal appears in another column of this issue.

BEVERLY HILLS, LOS ANGELES CO., CAL.—Residence, 2 story and base, frame and stone veneer, \$50,000. Architects, Hunt & Burns, Laughlin Bldg., L. A. Owner, Henry D. Lombard, Beverly. The dwelling has been designed to contain fourteen rooms, sev-

eral baths and sleeping porches. A separate garage will be erected on the property. Interior of the dwelling will be finished in pine, redwood, hardwoods and white enamel. Hardwood floors will be used throughout. Bath rooms will be finished in tile and equipped with showers. Plans provide for steam heat, a hot water circulating system and vacuum cleaning. Open fire places and tile and brick brick mantels will be used. Exterior of the house will be covered with veneer cut stone and cement plaster. Plans are complete and the work will be done by Day Labor. Concrete foundation is now being put in.

SAN FRANCISCO—Residence, 3 story and base, frame, \$20,000. Architects, Willis Polk & Co., Hobart Bldg., S. F. Owner, Joseph Tobin. The dwelling will be erected at 1969 California, in the fashionable residence district, and will cover a ground area of 34½ by 73 feet. There will be fourteen rooms, several baths and sleeping porch. A separate garage will be erected. Interior of the dwelling will be finished in pine, hardwood and white enamel. Hardwood floors will be used throughout. There will be a central heating system and hot water circulating system, vacuum cleaning and dumb waiter. Bath rooms will be finished in tile and equipped with high grade plumbing fixtures. There will be open fire places and tile mantels. Exterior of the house will be covered with cement plaster on metal lath. Plans are complete and figures are being taken.

Contracts Awarded.

REDWOOD CITY, SAN MATEO CO., CAL. — Residence alterations, \$5,000. Architect, Houghton Sawyer, Shreve Bldg., S. F. Owner, E. S. Heller. Contractors, Currie & Currie, 1215 3rd avenue, S. F. Contract price, \$5,000.

SCHOOLS.

LOS ANGELES, CAL.—School, 1 story and base, brick, \$25,000. Architect, A. T. Large, 406 Currier Bldg., L. A. Owners, City of Los Angeles. The building will be erected on Micheltorena street, and has been designed to contain four class rooms and a large auditorium. Interior will be finished in pine with maple floors in the class rooms. There will be a central heating system, modern school plumbing and composition blackboards. Exterior of the building will be faced with pressed brick. Plans are now being prepared.

SEWERS, STREET WORK & WATER SYSTEMS.

VISALIA, TULARE CO., CAL.—Road construction. Cost not stated. Engineer, County Surveyor, Visalia. Owners, Tulare County. Plans are complete for constructing a road between Power House No. 1, of the Mount Whitney Power and Electric Co., and the intersection of said road with County Road No. 981. Bids will be opened on February 12th. Plans and specifications can be secured from the County Surveyor at Visalia.

EUGENE, ORE.—Reservoir, reinforced concrete, \$30,000. Engineers, Engineering Department Water Board, Eugene. Owners, City of Eugene. Bids will be called for immediately for the construction of Eugene's 2,500,000-gallon reservoir, according to

E. B. Kinney, a member of the Water Board. At present the Water Board engineers are at work on the final plans and specifications for the construction of this reservoir to cost approximately \$30,000. It is planned to have construction commence at the earliest possible date in the spring.

SAN FRANCISCO — Street paving. Cost not stated. Engineer, City Engineer, Temporary City Hall, S. F. Owners, City and County of San Francisco. The Board of Public Works has recommended to the Supervisors that an ordinance be adopted authorizing the improvement of Portola Drive and Junipero Serra Boulevard from Standford Heights to Sloat Boulevard. The Works Board has requested the Supervisors to make an appropriation for the reconstruction of the pavement on Divisadero street, northerly.

OAKLAND, CAL.—Water system extension. Cost not stated. Engineer, City Engineer, Oakland. Owners, City of Oakland. Plans are complete and bids will be opened on February 4th for constructing a water system along the Quay Wall from Myrtle street to Clay street. Plans can be secured from the office of the City Engineer.

RICHMOND, CONTRA COSTA CO., CAL.—Sewer work. Cost not stated. Engineer, City Engineer Chapman, Richmond. Owners, City of Richmond. City Engineer Chapman's plans for the new sewers in the Meeker and Herman additions have been adopted by the City Council. Plans and specifications were also adopted for the sewer in the Bay View Tract district. Bids for this work will be advertised at an early date.

SEATTLE, WASH.—Street paving, \$37,000. Engineer, City Engineer, Seattle. Owners, City of Seattle. Plans for the paving of Valley street to cost \$37,000 have been completed and presented for approval. On approval bids will be called for on the work.

SEATTLE, WASH.—Grading and filling, \$90,000. Engineer, City Engineer Dimock, Seattle. Owners, City of Seattle. City Engineer Dimock has completed and presented plans to the officials for the grading and filling of Alki avenue. The work is estimated to cost \$90,000.

SEATTLE, WASH.—Road construction, \$80,000. Engineer, County Surveyor A. P. Denton, Seattle. Owners, Kings County. Plans have been completed by County Engineer A. P. Denton and filed with the Kings County Commissioners for the construction of the Mercer Island road, proposed in the plans for bond road No. 15. The Commissioners have set 2 p. m., February 8th as the time to open bids. The entire road around Mercer Island will cost about \$80,000.

SEATTLE, WASH. — Sea wall and paving, sewers, etc., \$120,000. Engineer, City Engineer A. H. Dimock, Seattle. Owners, City of Seattle. Plans have been completed by City Engineer A. H. Dimock for constructing a sea wall along Railroad avenue, between Madison street and Washington, and for paving that thoroughfare at a total cost of \$120,000. The specifications which were presented to the Board of Works call for the following: Earthwork, 16,000 cubic yards; 1,090 feet granite curb; 5,250 square yards of brick block paving; 1,469 feet of 8, 12, 15 and 24 inch sewer; 1,400 square yards concrete walks; 4,700 cubic

yards concrete wall; 8,500 pounds of reinforcing steel for walk slabs; 850 cubic yards of riprap; 45,000 feet bark piling and 600 feet of creosoted piling.

Contracts Awarded.

YUBA CITY, SUTTER CO., CAL.—State Highway Construction, \$48,674.40. Engineer, State Highway Commission, Forum Bldg., Sacramento. Owners, State of California. Contractors, Forest City Paving and Construction Co., San Francisco. Contract price, \$48,674.40.

DINUBA, TULARE CO., CAL.—Water station, frame and concrete. Cost not stated. Engineer, City Engineer, Dinuba. Owners, City of Dinuba. Contractor, Oscar Parlier, Tulare. Contract price not stated.

RICHMOND, CONTRA COSTA CO., CAL.—Street paving, asphalt, \$19,309.33. Engineer, City Engineer Chapman, Richmond. Owners, City of Richmond. Contractor, George W. Cushing, Richmond. Contract price \$19,309.33.

STORES AND OFFICES.

SAN FRANCISCO—Stores, 1 story and base, brick and steel, \$10,000. Architects, Rousseau & Rousseau, Monadnock Bldg., S. F. Owner, Theo. A. Rulfs. This building will be erected on Jones street near Pine, adjoining a six-story apartment house structure to be erected by the same owner. There will be several stores. Interiors will be finished in pine and hardwood. Large plate glass display windows and patent store fronts will be used. Exterior of the building will be faced with pressed brick, trimmed with terra cotta. Plans are complete and figures are being taken.

SEALED PROPOSALS

NOTICE TO CONTRACTORS.

SEALED BIDS will be received by W. F. McClure, State Engineer, Forum Building, Ninth and K Streets, Sacramento, California, up to and including 12 o'clock, noon, Monday, March 1, 1915, said bids then and there to be publicly opened and read for furnishing all plant, materials, and labor, and doing the work required for the complete construction and erection of a building to be known as the "Superintendent's Residence," Southern California State Hospital, Patton, California, in accordance with the plans specifications therefor, copies of which may be obtained on application to the State Department of Engineering, Sacramento, California.

Such bids will be received for the Entire Work, and must be submitted on forms prepared and furnished by the State Department of Engineering.

Cash, a bidder's bond, or a certified check in the sum of ten per centum (10%) of the amount of the bid must accompany each bid.

A deposit of Ten (\$10.00) Dollars will be required on plans and specifications, the deposit to be returned immediately on the return of the plans and specifications to the State Department of Engineering, at Sacramento, California, in good condition.

The State Department of Engineering reserves the right to reject any and all bids and to waive any informality in any bid received.

All bids must be addressed to W. F. McClure State Engineer, Sacramento, California, and plainly marked on the envelope: "Proposal for Superintendent's Residence, Southern California State Hospital, Patton, California."

(SIGNED) W. F. MCCLURE, State Engineer. (*)

PROPOSALS FOR WATER SYSTEM

PURSUANT to Resolution No. 9679 N. S. the Council of the City of Oak-

land will receive bids on **Thursday, the 4th day of February, 1915, between the hours of 11 o'clock A. M. and 12 o'clock M.** at the Council Chamber, City Hall Oakland, for the furnishing and installation of a water system along the Quay Wall between Myrtle and Clay streets in the City of Oakland, California, and at the expiration of the time named bids will be opened, examined and publicly declared in open session of the Council.

All proposals shall be accompanied by a check certified by a responsible bank, payable to the order of Frank M. Smith, City Clerk of the City of Oakland, in an amount not less than ten per cent (10%) of the aggregate of the proposal, which check and the amount therein mentioned shall be forfeited to and retained by the City of Oakland if the successful bidder fails to execute the contract in the required form and furnish the bonds required, as set forth in this notice.

The bidder to whom the contract is awarded will be required to enter into a contract for said work on or before ten (10) days from the award thereof, and all work to be completed within thirty (30) working days from the date of the contract unless prevented by inevitable accident, act of God, fire, strikes, or any other act or thing beyond the control of the bidder. Work shall be commenced on or before ten (10) days from the award of contract.

All said materials, labor and workmanship required shall be in accordance with the plans and specifications on file in the office of the City Clerk, to which said plans and specifications reference is hereby made.

After the award and upon the execution of the agreement, the contractor shall at the same time execute to the City of Oakland and deliver to the Auditor a bond guaranteeing to the City of Oakland the faithful performance of the contract in an amount equal to twenty-five per cent (25%) of the amount named in the agreement. He shall likewise execute and deliver at the same time another and separate bond to protect any and all persons performing labor upon or furnishing materials to be used upon said work in an amount equal to fifty per cent (50%) of the amount named in the agreement.

Bidders will be furnished forms of proposals upon application to the City Clerk, and all proposals shall be made upon forms so furnished.

The Council reserves the right to reject any or all bids. Each bid shall bear the affidavit of the bidder, as required by Section 126 of the Charter of the City of Oakland.

FRANK M. SMITH,
City Clerk.

PROPOSALS FOR FOUNDATIONS.

FOUNDATIONS—Sealed proposals indorsed "Proposals for Foundations for Radio Towers" will be received at the naval station, Cavite, P. I., or at the bureau of yards and docks, Navy Department, Washington, D. C., until **11 o'clock a. m. March 13, 1915**, and then and there publicly opened, for the construction of concrete and pile foundations for three 600-foot steel radio towers at the naval station, Cavite, P. I. Plans and specifications may be obtained on application to the bureau or to the commandant of the naval station named, H. R. STANFORD, chief of bureau.

PROPOSALS FOR BUILDING.

BUILDING—Sealed proposals indorsed "Proposals for two Bungalows" will be received at the bureau of yards and docks, Navy Department, Washington, D. C., until **11 o'clock a. m. February 20, 1915**, and then and there publicly opened, for two bungalows for marine officers' quarters at the U. S. navy yard, Mare Island, Cal. Plans and specifications can be obtained on application to the bureau or to the commandant of the navy yard named, H. R. STANFORD, chief of bureau.

PROPOSALS FOR JETTY WORK.

JETTY WORK—U. S. Engineer Office, 602 Burke Building, Seattle, Wash.—Sealed proposals for furnishing and delivering stone for jetty construction at Lone Tree, Wash., will be re-

ceived at this office until **12 m. February 10, 1915**, and then publicly opened. Information on application. J. B. CAVANAUGH, major, engineers.

PROPOSALS FOR FOUNDATIONS.

FOUNDATIONS, RADIO TOWERS—Sealed proposals indorsed "Proposals for Foundations for Radio Towers" will be received at the naval station, Pearl Harbor, Hawaii, or at the bureau of yards and docks, Navy Department, Washington, D. C., until **11 o'clock a. m. February 27, 1915**, and then and there publicly opened, for the construction of concrete foundations for three 600-foot steel radio towers at the naval station, Pearl Harbor, Hawaii. Plans and specifications may be obtained on application to the bureau or to the commandant of the naval station named, H. R. STANFORD, chief of bureau.

PROPOSALS FOR COFFERDAM.

COFFERDAM—U. S. Engineer Office, 602 Burke Bldg., Seattle, Wash.—Sealed proposals for excavation, removal of sections of an existing cofferdam and construction of a new cofferdam at the Puget Sound-Lake Washington lock site, Seattle, Wash., will be received at this office until **12 noon, February 17, 1915**, and then publicly opened. Information on application. J. B. CAVANAUGH, major, engineers.

PROPOSALS FOR FOUNDATIONS.

FOUNDATIONS—Sealed proposals indorsed "Proposals for Foundations for Radio Towers" will be received at the bureau of yards and docks, Navy Department, Washington, D. C., until **11 o'clock a. m. February 27, 1915**, and then and there publicly opened, for the construction of nine foundations for radio towers at the United States naval reservation, Chollas Heights, San Diego, Cal. Plans and specifications may be obtained on application to the bureau. H. R. STANFORD, chief of bureau.

PROPOSALS FOR VACUUM CLEANERS.

VACUUM CLEANERS—Treasury Department, Office of the Supervising Architect, Washington, D. C.—Sealed proposals will be received at this office until **3 p. m. February 12, 1915**, and then opened for supplying the various public buildings under the control of the Treasury Department portable vacuum cleaners during the fiscal year ending June 30, 1915, in accordance with the specification, copies of which may be had at this office, in the discretion of the supervising architect. O. WENDEROTH, supervising architect.

NOTICE TO CONTRACTORS.

SEALED bids will be received by W. F. McClure, State Engineer, Forum Building, Sacramento, California, up to and including **12 o'clock, noon, Monday, March 1, 1915**, said bids then and there to be publicly opened and read for furnishing all plant, materials, and labor, and doing the work required for the complete construction and erection of a building to be known as the "Superintendent's Residence," Southern California State Hospital, Patton, California, in accordance with the plans and specifications therefor, copies of which may be obtained on application to the State Department of Engineering, Sacramento, California.

Such bids will be received for the Entire Work, and must be submitted on forms prepared and furnished by the State Department of Engineering. Cash, a bidder's bond, or a certified check in the sum of ten per centum (10%) of the amount of the bid must accompany each bid.

A deposit of Ten (\$10.00) Dollars will be required on plans and specifications, the deposit to be returned immediately on the return of the plans and specifications to the State Department of Engineering at Sacramento, California, in good condition.

The State Department of Engineering reserves the right to reject any and all bids and to waive any informality in any bid received.

All bids must be addressed to W. F. McClure, State Engineer, Sacramento, California, and plainly marked on the envelope: "Proposals for Superintendent's Residence, Southern California State Hospital, Patton, California." (Signed) W. F. McCLURE, State Engineer.

PROPOSALS.

OFFICE OF THE BOARD OF PUBLIC WORKS of the City and County of San Francisco.

Sealed proposals will be received at this office between the hours of **2 o'clock p. m. and 3 o'clock p. m., on Wednesday, the 10th day of February, 1915**, for doing the following work, to wit:

Furnishing and installing electric elevators, hydraulic lifts, etc., in the City Hall.

Progressive payments will be made. Said work must be done in accordance with the specifications on file in the office of the Board of Public Works, to which reference is hereby made, and must be commenced within five (5) calendar days from the receipt of written notice from the Board of Public Works and completed within one hundred and eighty (180) calendar days thereafter.

The amount of bond for faithful performance of contract has been fixed at \$12,500.00.

All proposals offered must be accompanied by a check certified by a responsible bank, payable to the order of the Clerk of the Supervisors, for an amount not less than ten per cent of the aggregate of the proposal.

Printed proposal forms will be furnished gratuitously upon application at the office of the Architect, and all proposals must be made upon such forms.

The Board of Public Works reserves the right to reject any and all bids.

By order of the Board of Public Works. F. J. CHURCHILL, Secretary.

PROPOSALS.

OFFICE OF THE BOARD OF PUBLIC WORKS of the City and County of San Francisco.

Sealed proposals will be received at this office between the hours of **2 o'clock p. m. and 3 o'clock p. m., on Wednesday, the 10th day of February, 1915**, for doing the following work to wit:

General construction of the Academic building of the Polytechnic High School, located on block bounded by Arguello Boulevard, Frederick, Carl and Willard streets.

Progressive payments will be made. Said work must be done in accordance with the specifications on file in the office of the Board of Public Works, to which reference is hereby made, and must be commenced within five (5) calendar days from the receipt of written notice from the Board of Public Works and completed within one hundred and twenty (120) calendar days thereafter.

The amount of bond for faithful performance of contract has been fixed at \$21,250.00.

All proposals offered must be accompanied by a check certified by a responsible bank, payable to the order of the Clerk of the Supervisors, for an amount not less than ten per cent of the aggregate of the proposal.

Printed proposal forms will be furnished gratuitously upon application at the office of the Architect, and all proposals must be made upon such forms.

The Board of Public Works reserves the right to reject any and all bids.

By order of the Board of Public Works. F. J. CHURCHILL, Secretary.

NOTICE TO CONTRACTORS.

PANAMA-PACIFIC INTERNATIONAL EXPOSITION.

Due to the short time that now intervenes until the Opening Day of the Exposition, the Buildings and Grounds Committee will discontinue the practice of advertising for bids on construction work.

In the future, a notice, attached to the plans and specifications on which

bids are desired, will be posted on the Bulletin Board located on the first floor of the Service Building near the entrance. Bids for all work posted on this Board will be taken and the contracts awarded within twenty-four hours.

By order of the Buildings and Grounds Committee.
WILLIAM H. CROCKER,
Chairman. (*)

PROPOSALS FOR EXCAVATING AND CONCRETE WORK.

EXCAVATION AND CONCRETE WORK—Department of the Interior, U. S. Reclamation Service, Washington, D. C.—Sealed proposals will be received at the office of the U. S. Reclamation Service at Provo, Utah, until **2 o'clock p. m. February 3, 1915**, for construction involving 158,000 yards of excavation, 7,000 yards of concrete and other items. The work is located near Payson City, Utah, near the San Pedro, Los Angeles and Salt Lake Railroad and the Tintic Branch of the Denver and Rio Grande Railroad. For particulars address United States Reclamation Service, Provo, Utah, or Washington, D. C. A. P. DAVIS, director and chief engineer.

PROPOSALS FOR CANAL SUPPLIES.

PANAMA CIRCULAR 893—Proposals for Three 1,000-Yard Steel Dump Scows.—Sealed proposals will be received at the office of the general purchasing officer, the Panama Canal, Washington, D. C., until **10:30 a. m. February 10, 1915**, at which time they will be opened in public, for furnishing the above mentioned articles. Blanks and general information relating to this circular (No. 893) may be obtained from this office or the office of the assistant purchasing agent, 1036 North Point street, San Francisco, Cal.; also from the U. S. engineer offices in the following cities: Seattle, Wash.; Los Angeles, Cal. F. C. BOGGS, major, corps of engineers, U. S. army, general purchasing officer.

PROPOSALS FOR CANAL SUPPLIES.

PANAMA CIRCULAR 891—Proposals for Material for the Pumping Plant of Dry Dock No. 1, Balboa Terminals.—Sealed proposals will be received at the office of the general purchasing officer, the Panama Canal, Washington, D. C., until **10:30 a. m. February 24, 1915**, at which time they will be opened in public for furnishing the above mentioned articles. Blanks and general information relating to this circular (No. 891) may be obtained from this office or the office of the assistant purchasing agent, 1036 North Point street, San Francisco, Cal.; also from the engineer offices in the following cities: Seattle, Wash.; Los Angeles, Cal. F. C. BOGGS, major, corps of engineers, U. S. army, general purchasing officer.

PROPOSALS FOR CANAL SUPPLIES.

PANAMA CIRCULAR 892—Proposals for Valves and Accessories for Dry Dock No. 1, Balboa Terminals.—Sealed proposals will be received at the office of the general purchasing officer, the Panama Canal, Washington, D. C., until **11:30 a. m. February 24, 1915**, at which time they will be opened in public, for furnishing the above mentioned articles. Blanks and general information relating to this circular (No. 892) may be obtained from this office or the office of the assistant purchasing agent, 1036 North Point street, San Francisco, Cal.; also from the U. S. engineer offices in the following cities: Seattle, Wash.; Los Angeles, Cal. F. C. BOGGS, major, corps of engineers, U. S. army, general purchasing officer.

PROPOSALS FOR STEEL TOWERS.

STEEL TOWERS—Sealed proposals, indorsed "Proposals for Steel Towers," will be received at the bureau of yards and docks, Navy Department, Washington, D. C., and at the U. S. naval station, Cavite, P. I., until **11 o'clock a. m. February 27, 1915**, and then and there publicly opened for the construction and erection of three 600-foot steel towers at each of the following naval stations: San Diego, Cal.; Pearl

Harbor, Hawaii, and Cavite, P. I. Plans and specifications may be obtained on application to the bureau or at the naval stations named upon deposit of \$25 as security for their return. H. R. STANFORD, chief of bureau.

NOTICE TO CONTRACTORS.

SEALED proposals will be received at the office of the California Highway Commission, 515 Forum Building, Sacramento, Cal., until **2 o'clock p. m., on February 1, 1915**, at which time they will be publicly opened and read, for construction in accordance with the specifications therefor, to which special reference is made, portions of State Highway as follows:

Butte County from Nelson to Chico (III-But-3-C), about 12.6 miles in length, to be built of Portland cement concrete.

Highway Engineer's Estimate.

Item 1, 40,000 cubic yards excavation without classification; 2, 264 lineal feet 12-inch corrugated iron pipe; 3, 198 lineal feet 18-inch corrugated iron pipe; 4, 72 lineal feet 24-inch corrugated iron pipe; 5, 220 cubic yards Class "B" Portland cement concrete (culverts and monuments); 6, 15,950 cubic yards Class "B" Portland cement concrete (pavements); 7, 2,300 lineal feet guard rail; 8, 121 each, hauling and setting monuments.

The Commission will furnish, as more explicitly set forth in the specifications, the following materials, viz: Pipe railing for culverts, reinforcing steel, corrugated iron pipe, Portland cement, sand and coarse aggregate.

The foregoing quantities are approximate only, being given as a basis for the comparison of bids, and the Department of Engineering does not expressly or by implication agree that the actual amount of work will correspond therewith, but reserves the right to increase or decrease the amount of any class or portion of the work, as may be deemed necessary or expedient by the said Commission.

All bids are to be compared on the basis of the Highway Engineer's estimate of the quantities of work to be done.

Plans may be seen, and forms of proposal, bonds, contract, and specifications may be obtained at the said office and they may be seen at the offices of the Division Engineers at Los Angeles and San Francisco, and at the office of the Division Engineer of the division in which the work is situated. The Division Engineers' offices are located at Willits, Dunsmuir, Sacramento, San Francisco, San Luis Obispo, Fresno, and Los Angeles.

No bid will be received unless it is made on a blank form furnished by the Commission. The special attention of prospective bidders is called to the "Notice to Contractors" annexed to the blank form of proposal, for full directions as to bidding, quantities of work to be done, etc.

The Department of Engineering reserves the right to reject any or all bids or to accept the bid deemed for the best interests of the State.

CHARLES D. BLANEY,
NEWELL D. DARLINGTON,
CHARLES F. STERN,
California Highway Commission.
AUSTIN R. FLETCHER,
Highway Engineer.
WILSON R. ELLIS, Secretary.

NOTICE TO CONTRACTORS.

OFFICE CONSTRUCTING QUARTERMASTER, Fort Mason, Cal., 2nd February, 1915. SEALED PROPOSALS, in triplicate, for constructing Commanding Officers Quarters, including plumbing, heating, electric wiring and fixtures, at Fort Winfield Scott, California, will be received here until **11 A. M., 16th February, 1915**, and then opened. Plans, specification blank forms and necessary information can be obtained here. Deposit of \$10.00 required to insure return of plans, etc. Proposals to be inclosed in sealed envelopes and addressed to GEO. McK. WILLIAMSON, Lt. Col. Q. M. C. (*)

NOTICE OF NON-RESPONSIBILITY.

Jan. 30, 1915—W FILLMORE 60 S Moulton N 50xS 80. John S Howell

as to improvements on leased property

Jan. 30, 1915—E SCOTT 75 S Chestnut S 25xE 90. Louis and Octavie Willig as to improvements on leased property

Jan. 29, 1915—S CHESTNUT 165 E Scott E 24-6xS 60. August Schneider as to improvements on leased property

Jan. 26, 1915—NOS. 625 & 627 WASHINGTON. Milos M Goopcevic as to improvements on leased property

Jan. 26, 1915—W SCOTT 50 S Chestnut S 25xW 100. Mary R Casey as to improvements on leased property

Jan. 26, 1915—E SCOTT 50 S Chestnut S 21xE 40. Thos P Crowley as to improvements on leased property

CO-PARTNERSHIP.

Henry Lund, Jr., as Henry Lund & Co
Moses Offenbach, Leon E. Goldstein
as New Montgomery Market.
Wm. Charlesworth as Nonpareil
Apartment Company.

BUILDERS BOND.

Jan. 26, 1915—W FORTY-FIFTH Ave 225 S Irving 25x120. Owner, Harry Borromeo; contractor, McCausland Bros.; sureties, Mrs. M E McCausland and D H Clinton. Bond, \$1225.

NO ACTION ON TENEMENT HOUSE ACT.

Senator Scott informs the "Builder" that there will not be any action taken on the proposed amendments to the State Tenement House Act until the legislature meets again in March, when a public hearing will then be held.

An adjournment will be taken this Saturday for about 30 days.

CARTAGENA'S WATER SUPPLY.

[Consul Ross Hazeltine, Cartagena, Colombia.]

Cartagena's water-distribution system is owned and controlled by a British corporation known as the Cartagena, Colombia, Waterworks (Ltd.). The water is obtained from a creek in the hills about 12 miles in the interior, and is stored in a reservoir, which has proved of insufficient size. Nine-inch cast-iron pipes conduct the water to the city, practically all of which is piped. It is estimated that there are 20 miles of pipe laid within Cartagena. The inside diameters are 9, 6, 4, and 3 inches for the mains and submains. The lengths are 9 and 12 feet. Cast iron pipes are used in the mains, and galvanized pipe for houses and stores.

It should be noted, however, that a supply is not always available for ships or even for residences. The supply is short during the periods January to March and June to August.

The water company, it is said, will soon be in the market for 12 miles of pipe, and while it is probable that this will be supplied from England, it would be worth while for American manufacturers to get into touch with the local manager, or, preferably, with the London office. [The name and address of the local manager and the address of the London office may be obtained from the Bureau of Foreign and Domestic Commerce or its branch offices.] San Francisco branch, 310 Customhouse.

ADVANCE NEWS

Classified according to Location

SAN FRANCISCO.

APARTMENT HOUSE—1 story and base, brick and steel. Cost not stated. San Francisco. Architects Rousseau & Rousseau, Monadnock Bldg., S. F. Owner, W. Props. The building will be erected on the south side of Post street, 170 west of Larkin, and will contain a number of two, three and four room suites. Interior finish will be of pine, redwood and white enamel. Some hardwood floors will be used. There will be wall beds and private baths. Bath rooms will have tile wainscot and composition floors. Plans provide for steam heat, elevator service and a hot water supply. Marble wainscot will be used in the entrance. Exterior of the building will be faced with pressed brick and terra cotta. Plans are complete and figures are being taken.

APARTMENT HOUSE—4 story and base, brick and steel, \$32,000. San Francisco. Architect, Earl B. Scott, Humboldt Bank Bldg., S. F. Owner's name withheld. The building will be erected on Pine street and has been designed to contain a total of 30 suites of two and three rooms with private baths. Interiors will be finished in pine, redwood and elm panels. Plans provide for steam heat, an automatic elevator and hot water supply. All suites will have wall beds. Bath rooms will have tile wainscot and composition floors. Marble wainscot will be used in the lobby. Exterior of the building will be faced with Diamond red pressed brick. Plans are complete and a contract will be awarded within a few days.

APARTMENT HOUSE—6 story and base, brick and steel. Cost not stated. San Francisco. Architects, Rousseau & Rousseau, Monadnock Bldg., S. F. Owner, Theo. A. Rulfs. The building will be erected on Jones street near Pine and has been designed to contain a large number of two, three and four room apartments. Interior finish will be of pine, elm and red gum. Hardwood floors will be used in the living and dining rooms. Plans provide for steam heat, elevator service, a hot water supply and vacuum cleaning. All apartments will have private baths which will be finished in tile with composition floors. Wall beds are specified. Entrance will be finished in marble. Exterior of the building will be faced with pressed brick trimmed with terra cotta. Plans are complete and figures are being taken.

STREET PAVING—Cost not stated. San Francisco. Engineer, City Engineer, Temporary City Hall, S. F. Owners, City and County of San Francisco. The Board of Public Works has recommended to the Supervisors that an ordinance be adopted authorizing the improvement of Portola Drive and Junipero Serra Boulevard from Stanford Heights to Sloat Boulevard. The Works Board has requested the Supervisors to make an appropriation for

the reconstruction of the pavement on Divisadero street, northerly.

RESIDENCES—3, 2 story and base frame, \$8,000 each. San Francisco. Architect, Edward E. Young, 251 Kearny street, S. F. Owner, M. A. Little, 1347 14th avenue, S. F. These houses will be erected on the west side of Broderick street south of Union, each having a frontage of 30 feet and a depth of 52 feet. Basements will be used for garages. Each house will contain eight rooms and two baths. Interiors will be finished in pine, redwood, hardwood and white enamel. Hardwood floors will be used in the principal rooms. There will be furnace heat and open fire places. Mantels will be of tile and brick. Bath rooms will be finished in tile. Automatic water heaters will be installed. Exteriors will be covered with rustic and cement plaster on metal lath. Plans are complete and figures are being taken.

RESIDENCE—2 story and base, frame, \$2,500. San Francisco. Architect, none. Owner, F. Nelson, 30 Presidio Terrace, S. F. The dwelling will be erected on Carl street east of Arguello Boulevard, and has been designed to contain five rooms with a large garage in the basement. Interior will be finished in pine throughout. Hardwood floors will be used in the principal rooms. There will be open fire places and tile or brick mantels. Tile wainscot will be used in the bath room and kitchen. Exterior of the dwelling will be covered with rustic and cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor. Materials are now being purchased.

RESIDENCE—2 story and base, frame, \$8,000. San Francisco. Architect, Joseph A. Leonard, 85 Cerritos avenue, S. F. Owners, Urban Realty Co. The dwelling will be erected at the northwest corner of Estero and Alviso streets, and has been designed to contain seven rooms, two baths, sleeping porches and a garage. Interior will be finished in pine, redwood, hardwood and white enamel. Hardwood floors will be used in the living room, dining room, library and reception hall. There will be furnace heat, a hot water circulating system and open fire places. Mantels will be of tile or brick. Bath rooms will be finished in tile. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are complete and in the hands of the owners who will do the work by Day Labor.

APARTMENT HOUSE—3 story and base, \$20,000. San Francisco. Architect, C. E. Gotthealk, Phelan Bldg., S. F. Owner, Charles Farrell. This building will be erected on the north side of Filbert street west of Polk, and has been designed to contain a number of two and three room suites. Interior will be finished in pine and elm panels. There will be a hot water system and wall beds. All suites will have private bath rooms. Tile wainscot and compo-

sition floors will be used in the bath rooms. Marble and tile wainscot is specified for the entrance. Exterior of the building will be covered with ship-lap and cement plaster on metal lath. Plans are nearly complete and figures will be called for at once.

APARTMENT HOUSE AND STORES—3 story and base, brick and frame, \$20,000. San Francisco. Architect, Charles E. J. Rogers, 24 California street, S. F. Owner's name withheld. The building will be erected on Mission street near 17th, and has been designed to contain stores on the first floor and a number of two and three room suites on the second and third floors. Interiors will be finished in pine and redwood. Plans provide for steam heat, and a hot water system. All suites will have wall beds and private bath rooms. Tile wainscot will be used in the baths. Patent store fronts are specified. Exterior of the building will be covered with cement plaster and pressed brick veneer. Plans are complete and figures will be taken shortly.

FIRE HOUSE—2 story and base. Class B construction, \$40,000. San Francisco. Architect, City Department of Architecture, Temporary City Hall, S. F. Owners, City and County of San Francisco. This new firehouse will be erected on Powell street. The main floor will house four pieces of apparatus, while the upper floor will contain living quarters for the men and electric room and social room. Interior will be finished in pine and hardwood. There will be special electrical equipment, shower baths and steam heat. Ornamental iron and bronze are specified. Exterior of the building will be faced with pressed brick and terra cotta. Plans have been ordered prepared.

FLAT ALTERATION—2 story and base, frame. Cost not stated. San Francisco. Architect, Albert Lapachet, 110 Sutter street, S. F. Owner's name withheld. The present old fashioned residence at the corner of Broderick and Eddy streets will be altered into a modern flat building, containing two flats of six rooms each. Included in the work will be new plumbing, painting, interior finish, electric work and plastering. Exterior of the building will be covered with cement plaster on metal lath. Plans are complete and figures are being taken.

HOTEL AND STORES—3 story and base, frame, \$15,000. San Francisco. Architect, Charles C. Frye, 20 Montgomery street, S. F. Owner's name withheld. The building will be erected in the district south of Market street and has been leased to a well known Japanese hotel proprietor. There will be thirty rooms, six baths and a barber shop. The first floor will contain stores and the lobby. Interior will be finished in pine throughout. Composition floors will be used in the bath rooms. Plans provide for a hot water system. Exterior of the building will be faced with cement

W. R. BRODE, Pres. LOUIS R. HOLM, Sec. R. J. BRODE, Vice-Pres.

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plaster on metal lath. Plans are complete and figures are being taken.

HOSPITAL ALTERATION — Frame construction, \$7,500. San Francisco. Architect, Alfred I. Coffey, Humboldt Bank Bldg., S. F. Owners, St. Francis Hospital. The front portion of the main floor of the St. Francis Hospital will be altered and a large waiting and reception room will be installed. Included in the work is Caen stone wainscoting, electric work, plumbing, ornamental plastering, painting, art glass skylights and tile floor. Plans are complete and the work will be done by Day Labor. Materials are now being purchased.

LIBRARY—2 story and base, brick and terra cotta. Cost not stated. San Francisco. Architect, G. Albert Lansburgh, 709 Mission street, S. F. Owners, City and County of San Francisco. Bids for the construction of the Mission Branch Library were opened by the Library Trustees Tuesday afternoon, January 26, in the offices of the architect. O. C. Holt presented the lowest figure for the general construction at \$24,990, S. W. Band was low on the plumbing at \$831, \$874 and \$877; J. C. Hurley was low on the heating at \$3,078; R. Postler low on the painting at \$1,226; Gladding-McBean low on the architectural terra cotta work at \$9,200; the Judson Iron Works low on the structural steel at \$3,408, and the Decker Electric Co. low on the electric work at \$1,230. All bids were taken under advisement by the Library Trustees. Bids on the general construction were submitted with six alternates, and when these are considered may change the low bid. A complete list of the bids received will be found under the heading of San Francisco in this issue.

STORES—1 story and base, brick and steel, \$10,000. San Francisco. Architects, Rousseau & Rousseau, Monadnock Bldg., S. F. Owner, Theo. A. Rulfs. This building will be erected on Jones street near Pine, adjoining a six-story apartment house structure to be erected by the same owner. There will be several stores. Interiors will be finished in pine and hardwood. Large plate glass display windows and patent store fronts will be used. Exterior of the building will be faced with pressed brick trimmed with terra cotta. Plans are complete and figures are being taken.

APARTMENT HOUSE AND STORE—3 story and base, frame. Cost not stated. San Francisco. Architects, Fabre & Bearwald, Merchants' National Bank Bldg., S. F. Owner, Mr. Arnaud. The building will be erected on Lombard street west of Scott. There will be one store on the ground floor and four suites of three rooms each on the upper floors. All apartments will have wall beds and private baths. Interior finish will be of pine and redwood. A hot water system will be installed. Bath rooms will have tile wainscot and composition floor. Marble and tile

wainscot will be used in the entrance. Exterior of the building will be faced with cement plaster on metal lath. Plans are complete and figures are being taken.

RESIDENCE — 3 story and base, frame, \$20,000. San Francisco. Architects, Willis Polk & Co., Hobart Bldg., S. F. Owner, Joseph Tobin. The dwelling will be erected at 1969 California, in the fashionable residence district, and will cover a ground area of 34½ by 73 feet. There will be fourteen rooms, several baths and sleeping porch. Separate garage will be erected. Interior of the dwelling will be finished in pine, hardwood and white enamel. Hardwood floors will be used throughout. There will be a central heating system and hot water circulating system, vacuum cleaning and dumb waiter. Bath rooms will be finished in tile and equipped with high grade plumbing fixtures. There will be open fire places and tile mantels. Exterior of the house will be covered with cement plaster on metal lath. Plans are complete and figures are being taken.

Contracts Awarded.

EXPRESS SHED—2 story, frame. Cost not stated. San Francisco. Engineer, Assistant State Engineer Newman, Ferry Bldg., S. F. Owners, State of California. Contractor, Fred L. Hanson, S. F. Contract price, \$38,946. Twenty-four bids in all were presented for this work. A complete list of these figures appears under the heading of San Francisco in this issue.

Branch Library Bids Opened.

LIBRARY TRUSTEES RECEIVE LARGE NUMBER OF BIDS FOR CONSTRUCTION OF MISSION BRANCH LIBRARY.

Bids for the construction of the Mission Branch Library were opened by the Library Trustees Tuesday afternoon in the offices of Architect G. Albert Lansburgh, 709 Mission street. O. C. Holt presented the lowest figure for the general construction at \$24,990; S. W. Band was low on the plumbing at \$831, \$874 and \$877; J. C. Hurley was low on the heating at \$3,078; R. Postler low on the painting at \$1,226; Gladding, McBean low on the architectural terra cotta work at \$9,200; the Judson Iron Works low on the structural steel at \$3,408, and the Decker Electric Co. low on the electric work at \$1,230.

All bids were taken under advisement by the Library Trustees. Bids on the general construction were submitted with six alternates and when these are considered may change the low bid. At the time of going to press these alternates had not been totaled. Following is a list of the bids submitted:

Nearest to Everything

**POWELL ST. AT O'FARRELL**

Best located and most popular hotel in the City; circulating ice water in every room.

Especial attention to ladies travelling alone.

Excellent, reasonable priced grill. Meet your friends at the Manx

European Plan Rates \$1.50 up.

Management.

Chester W. Kelley

Library General Construction.

C. P. Moore.....	\$27,424
F. L. Hanson.....	29,622
R. A. Chisholm.....	28,526
W. A. & C. C. Terrill.....	28,000
Isaac Penny.....	26,970
James L. McLaughlin.....	32,184
Monson Bros.	27,937
Peterson & Persson.....	27,985
Mahoney Bros.	34,112
O. C. Holt	24,990
William Griffith	30,383
William Newsom	25,140
T. F. O'Rourke.....	35,400
Dreyfus Bros.	36,174

Plumbing.

Kiernan & O'Brien, \$925, \$—, \$—.	
Fred W. Snook Co., \$944; \$992; \$970.	
Alex Coleman, \$997; \$1,018; \$1,015.	
Wittman-Lyman Co., \$1,322; \$1,342; \$1,325.	
J. E. Wilson, \$1,079; \$1,057; \$1,037.	
Peterson-James Co., \$1,092; \$—; \$—.	

Gilley-Schmidt Co., \$1,098; \$1,120; \$1,110.

S. W. Band, \$831; \$874; \$877.
Turner Co., \$995; \$995; \$995.
Burnham Plumbing Co., \$1,009; \$1,029; \$1,017.

J. E. O'Mara, \$985; \$997; \$975.
Scott Co., \$1,200; \$1,200; \$1,200.
E. V. Lacey, \$878.75; \$888; \$880.

Heating

Atlas Heating & Ventilating Co.	\$3,595
Wittman-Lyman Co.....	3,675
Kiernan & O'Brien.....	3,667
J. E. O'Mara.....	3,537
The Turner Co.....	3,395
Pacific Fire Ext. Co.....	3,695
Gilley-Schmidt Co.....	4,198
R. Dalziel Co.....	3,438
Seibert Co.....	3,397
Scott Co.....	3,360

Lurnham Plumbing Co.....	3,899
J. C. Hurley.....	2,078
Painting	
Harry Graper.....	\$1,250
I. Kissel.....	1,620
Frazier.....	1,595
I. Bernstein.....	1,206
Meyer-Walk.....	1,295
James Wagner.....	1,380
Wagner Bros.....	1,570
Chandler.....	1,250
R. Postler.....	1,226
Terra Cotta Work.	
N. Clark & Son.....	\$ 9,370
Steiger Terra Cotta Co.....	10,000
Gladding, McBean.....	9,200
Structural Steel.	
Western Iron Works.....	\$3,460
Golden Gate Iron Works....	3,535
Pacific Structural Iron Wks.	4,000
Shrader Iron Works.....	3,740
Mortensen Constr. Co.....	4,276
Judson Iron Works.....	3,408
Ralston Iron Works.....	3,545
Pacific Rolling Mills.....	3,904
Electric Work.	
Butte Eng. & Elec. Co.....	\$1,453
Central Elec. Co.....	1,800
California Elec. Co.....	1,475
The Turner Co.....	1,690
Decker Elec. Co.....	1,230

Award Contract On Express Co. Bldg.

Fred L. Hansen Submits Lowest Bid
for Two-Story Frame Shed for
Wells-Fargo Co. at the Ferries.

Bids were opened at the last meeting of the State Board of Harbor Commission for constructing a frame shed, two stories in height, on the south dolphin at the Ferry Building to be used by the Wells Fargo Express Co. F. L. Hansen was low at \$38,946 and was awarded the contract. The following is a complete list of the bids opened:

Two-Story Shed.

Isaac Penny.....	\$43,990
J. Wendering.....	47,250
J. D. Hannah.....	48,700
L. G. Burgren & Son.....	47,972
R. W. Moller.....	46,720
J. Monk.....	52,500
Western Bldg. & Eng. Co..	47,635
Lester H. Stock.....	49,744
W. A. Newson.....	42,881
Currie & Currie.....	58,759
Fred L. Hansen.....	38,946
Constr. & Eng. Co.....	42,200
W. D. Griffith.....	45,944
W. W. Anderson & Co.....	42,900
The Turner Co.....	43,732
Marcus Marcussen.....	43,900
Ward & Goodwin.....	41,890
Carnahan & Mulford.....	42,873
Charles J. Koenig.....	44,843
Pringle, Dunn & Co.....	54,200
Foster-Vogt Co.....	39,867
Commarty-Peterson Co.....	51,283
Charles Wright.....	44,483
W. D. Henderson.....	47,356

Building Contracts Awarded.

San Francisco

221 Neustadter.....Denke	19640
222 Chr Scientists, Zimmerman	3820
223 Concordia.....Kiernan	2215
224 Same.....Butte	2488
225 Carlson.....Carlson	1000
226 Starling.....Starling	500
227 Casey.....Shirley	400

231 Oda.....Oda	400
232 Pacific T & T.....Owner	850
233 Pacific T & T.....Owner	900
234 John.....John	1000
235 Harris.....Harris	500
236 Rugi.....Lasso	450
237 Tracey.....Sexton	400
238 Hotel Sorrento.....Conlin	500
239 City Invest.....Swenson	400
240 Filippis.....Filippis	400
241 Keenan.....Keenan	3000
242 Owl Drug.....Brumfield	400
243 Arata.....Arata	400
244 Triple.....Callaghan	400
245 Pringle.....Humphrey	400
246 Raggett.....Higginson	5904
247 Same.....Wetzel	540
248 Same.....Johnson	445
249 Heuter.....Higginson	10050
250 P P I E.....McSheehy	7300
251 Same.....McSheehy	22992
252 Same.....Strehlow	3000
253 Same.....Cahill	14575
254 Flaherty.....Kessler	2457
255 Shield.....Neal	2650
256 Dabelstein.....Trent	2688
257 P P I E.....McLean	5500
258 Cardinell.....Hinson	5579
259 Henze.....Ratto	400
260 Hawthorne.....Leigh	400
261 Meyer.....Meyer	400
262 Edelman.....Zane	500
263 Maurino.....Maurino	400
264 Rolph.....Stinges	750
265 Shaelef.....Shaelef	3000
266 Guerrero.....Carlson	2750
267 Guerrero.....Carlson	750
268 Navarrat.....Hippeley	11500
269 Bannan.....Helbing	1700
270 Bauersachs.....Ickters	12957
282 Hufschmidt.....Secor	1090
283 Nessmiller.....Elvin	1954
284 Samuels.....Moore	686
285 Pacific G & E Co.....Rees	28373
286 Windeler.....Miller	12300
287 Same.....Schrader	10472
288 Same.....Peterson	8626
289 Same.....Rainey	9600
290 Same.....Johnson	3200
291 Windeler.....Zelinsky	2400
292 Same.....De Lew	5135
293 Same.....Forbes	965
294 Meyerfeld.....Pac Str Iron	101
295 Menlo Rest.....A P Plmbg	360
296 Zellerbach.....Bill	2500
297 Bd of Missions.....Gaspard	2160
298 Same.....Goss	2500
299 Nelson.....Nelson	400
300 Auger.....Auger	500
301 Golden Rule.....Fincke	500
302 New Pro Lndry.....Owner	600
303 Johnston.....Petersen	625
304 Brophy.....Dunning	400
305 Natusch.....Persson	8000
306 Urban Rlty.....Owner	8000
307 Little.....Little	8000
308 Same.....Same	8000
309 Same.....Same	8000
310 New Era.....New Era	1600
311 Schuepple.....Nimmi	400
312 Brown.....Brown	1500
313 Cohen.....Hemphill	450
314 Tallant.....Western Vacuum	377
315 Fuller.....Maundrell	1300

FRAME APARTMENTS

(221) SE FRANKLIN AND CLAY S
37-8 1/2 x E 85. All work for three-
story and basement frame apart-
ments.

Owner.....Jacob Neustadter, Essex
Hotel, San Francisco.
Architect...E. H. Denke, 1317 Hyde,
San Francisco.

Contractor..F. G. Denke, 1445 11th
Ave., San Francisco.

Filed Jan. 25, '15. Dated Jan. 25, '15.

2nd floor joists up.....\$3682.50
Enclosed and roof on.....3682.50
1st coat plaster on.....3682.50
Completed and accepted.....3682.50
Usual 35 days.....4910.00

TOTAL COST, \$19,640.00
Bond, \$9820. Surety, The Accident &
Liability Co. Limit, 90 days. Forfeit,
\$2. Plans and specifications filed.

CONCRETE WORK

(222) N HAIGHT 187-6 E Central Ave
E 75xN 137-6. Reinforced concrete
floors and other floor, concrete and
cement walls and steps, etc., for
church building.

Owner.....Third Church of Christ
Scientist.

Architect...Edgar A. Mathews, Phe-

lan Bldg., San Francisco.
Contractor..L. M. Zimmerman, 3017
Buchanan, S. F.
Filed Jan. 25, '14. Dated Jan. 18, '15.
Payments semi-monthly of.... 75%
Usual 35 days..... 25%
TOTAL COST, \$3820
Bond, \$1000. Sureties, Jno. Cassaretto
and Otto Schrader. Limit, 24 days.
Forfeit, none. Plans and specifications
filed.

PLUMBING AND GAS FITTING

(223) SE VAN NESS AVE & POST
— 109 S 120 W 109 N 120. Plumbing
and gas fitting for club building.

Owner.....The Concordia, Premises.
Architect...G. Albert Lansburgh, 709
Mission, San Francisco.

Contractor..Kiernan & O'Brien, 1754
Mission, San Francisco.
Filed Jan. 25, '15. Dated Jan. 8, '15.

Roughed in\$700
Fixtures set455
Completed and accepted.....460
Usual 35 days.....600
TOTAL COST, \$2215

Bond, \$1200. Surety, National Surety
Co. Limit, 125 days from recording.
Forfeit, none. Plans and specifications
filed.

(224) ELECTRIC WIRING ON ABOVE

Contractor..Butte Eng. & Elec. Co.,
683 Howard, San Francisco

Filed Jan. 25, '15. Dated Jan. 8, '15.
On 10th of each month..... 75%
Usual 35 days..... 25%

TOTAL COST, \$2488
Bond, \$1300. Surety, National Surety
Co. Limit, 125 days from recording.
Forfeit, none. Plans and specifications
filed.

FRAME STORE

(225) S LOMBARD 220-6 W Baker.
All work for one-story frame store
building.

Owner.....Dora Finkelstein and Sam
Kantrov, 1134 Scott, S. F.

Architect...Milton Lichtenstein, 111
Ellis, San Francisco.

Contractor..C. Wengard, 1286 48th
Ave., San Francisco.

Filed Jan. 25, '15. Dated Jan. 21, '15.

Frame up\$315
Brown coated400
Completed and accepted.....400
Usual 35 days.....375
TOTAL COST, \$1490

Bond, \$750. Surety, Fidelity & Depo-
posit Co. Limit, Feb. 22, 1915. For-
feit, \$5. Plans and specifications filed.

EXPOSITION BUILDING

(226) EXPOSITION SITE. All work
for construction of exposition bldg.

Owner.....The Republic of Panama.
Architect...W. D. Windom and Mur-
phy & Olmsted, Washing-
ton, D. C.

Contractor..Western Bldg. & Eng. Co.,
Phelan Bldg., S. F.

Filed Jan. 25, '15. Dated Dec. —, '14.
As work progresses..... 75%
Usual 35 days..... 25%

TOTAL COST, \$14,993

Bond, \$8000. Surety, Pacific Coast
Casualty Co. Limit, 60 days. Forfeit,
\$25. Plans and specifications filed.

ELECTRIC SIGN

(227) NO. 759 MARKET. Electric sign
Owner.....Unique Amusement Co.,
749 Market, S. F.

Contractor..Novelty Sign Co., 165
Eddy, San Francisco.

Facet COST, \$400

FRAME DWELLING

(228) W GRANADA 225 N Lakeview.
One-story and basement frame dwlg.
Owner.....Gus Carlson, 66 Park,
San Francisco.
Architect...None.
Contractor...Gus Carlson, 66 Park, S. F.
COST, \$1000

FRAME DWELLING

(229) E ELSIE 149-2 N Eugenia.
One-story and basement frame dwlg.
Owner.....C. Starling, 252 6th, S. F.
Architect...None.
Day's work. COST, \$500

ALTERATIONS

(230) W SCOTT 50 S Chestnut. Alter
stores.
Owner.....Mrs. M. Casey, 3229 Fill-
more, San Francisco.
Architect...M. E. Branscombe, 3766
24th, San Francisco.
Contractor...Chas. Shirey, 4826 Geary,
San Francisco.
COST, \$400

ALTERATIONS

(231) NO. 342 O'FARRELL. Alter
restaurant.
Owner.....T. Oda, Premises.
Architect...None.
Day's work. COST, \$400

ALTERATIONS

(232) NW PINE & STEINER. Alter
telephone exchange.
Owner.....Pacific Telephone & Tele-
graph Co., 602 Phelan Bldg
San Francisco.
Architect...None.
Day's work. COST, \$850

ALTERATIONS

(233) NW HARLAND PLACE AND
Grant Ave. Alter for additional
cable facilities.
Owner.....Pacific Telephone & Tele-
graph Co., 602 Phelan Bldg
San Francisco.
Architect...None.
Day's work. COST, \$900

ALTERATIONS

(234) NO. 2618 BUSH. New plumbing,
wiring, tar and gravel roof, etc., for
flats.
Owner.....Emma John, Premises.
Architect...Wm. Crim, 425 Kearny,
San Francisco.
Contractor...J. A. John, Premises.
COST, \$1000

ALTERATIONS

(235) NO. 344 SUTTER. Alter dining
room.
Owner.....Ike Harris, Premises.
Architect...None.
Day's work. COST, \$500

FRAME STORE

(236) NO. 3251 SCOTT. One-story
frame store.
Owner.....G. Rugi, 1627 Lyon, S. F.
Architect...None.
Contractor...G. Lasso, 2801 Greenwich,
San Francisco.
COST, \$450

ALTERATIONS

(237) SE DIAMOND AND TWENTY-
fourth. Alter store.
Owner.....M. Tracey, 586 Jersey,
San Francisco.
Architect...None.
Contractor...Tom Sexton, 472 Jersey,
San Francisco.
COST, \$400

EXTEND MARQUISE

(238) NO. 364 O'FARRELL. Extend
marquise.
Owner.....Hotel Sorrento.
Architect...None.
Contractor...Conlin & Roberts, 410 Na-
toma, San Francisco.
COST, \$500

ALTERATIONS

(239) NO. 1020 MARKET. Alter store
Owner.....City Investment Co., 1st
National Bank Bldg., S. F.
Architect...J. R. Miller, 213 Lick
Bldg., San Francisco.
Contractor...Swenson & Franzen, 230
Tehama, San Francisco.
COST, \$400

NEW CORNICE

(240) SW KEARNY & UNION. Erect
new cornice.
Owner.....V. Filippis, 21 Columbus
Ave., San Francisco.
Architect...None.
Day's work. COST, \$400

FRAME DWELLING

(241) N CALIFORNIA 82 E 20th Ave.
Two-story and basement frame dwlg.
Owner.....C. J. and W. J. Keenan,
Hayes and Central Ave.,
San Francisco.
Architect...None.
Day's work. COST, \$3000

ELECTRIC SIGN

(242) NW GOLDEN GATE AVE AND
Market. Electric sign.
Owner.....Owl Drug Co., Premises.
Architect...None.
Contractor...Brumfield Elec. Co., 18
7th, San Francisco.
COST, \$400

ADDITION

(243) NO. 532 GREEN. Add room and
alter dwelling.
Owner.....A. Arata, Premises.
Architect...None.
Day's work. COST, \$400

ALTERATIONS

(244) SEVENTH AVE & FULTON.
Alter building.
Owner.....O. Triple, 5th & Brannan,
San Francisco.
Architect...None.
Contractor...Callaghan Bros., 900 Clay-
ton, San Francisco.
COST, \$400

ALTER ENTRANCE, ETC.

(245) NO. 84 MARKET. Alter en-
trance and partition.
Owner.....Pringle Co., Russ Bldg.,
San Francisco.
Architect...None.
Contractor...H. A. Humphrey.
COST, \$400

RESIDENCE AND GARAGE

(246) LOT 15 BLK 17 Forest Hill. All
work except plumbing and painting
for two-story and basement frame
residence and one-story garage.
Owner.....Martin Raggett, 799 Mar-
ket, San Francisco.
Architect...Falch & Knoll, Hearst
Bldg., San Francisco.
Contractor...Higginson Co., Inc., Hum-
boldt Bank Bldg., S. F.
Filed Jan. 25, '15. Dated Jan. 23, '15.
Frame up\$1476
Brown coated1476
Completed and accepted..... 1476
Usual 35 days..... 1476
TOTAL COST, \$5904

Bond, none. Limit, 90 days. Forfeit,
\$5. Plans and specifications filed.

(247) PLUMBING, ETC., ON ABOVE.
Contractor...Theo. Wetzel Jr., 110
Jessie, San Francisco.

Filed Jan. 25, '15. Dated Jan. 23, '15.
Roughing in completed.....\$200
Completed and accepted..... 205
Usual 35 days..... 135
TOTAL COST, \$540

Bond, none. Limit, 90 days. Forfeit,
\$5. Plans and specifications filed.

(248) PAINTING ON ABOVE.

Contractor...P. Johnson.
Filed Jan. 25, '15. Dated Jan. 23, '15.
Staining and priming done.....\$170
Completed and accepted..... 179
Usual 35 days..... 116
TOTAL COST, \$465

Bond, none. Limit, 90 days. Forfeit,
\$5. Plans and specifications filed.

BRICK STORES AND LOFTS

(249) NE CALIFORNIA & FILLMORE
N 82-7½xE 52-3. All work for part
one and part two-story brick build-
ing (stores and lofts.)

Owner.....E. C. and O. M. Hueter, 816
Mission, San Francisco.
Architect...Rousseau & Rousseau, Mo-
nadnock Bldg., S. F.
Contractor...Higginson Co., Inc., Hum-
boldt Bank Bldg., S. F.

Filed Jan. 25, '15. Dated Jan. 23, '15.
Excavated, foundation in and
brick work up, ready to receive
2nd story joists.....\$1884.25
Brick work finished and roof
on 1884.25
White coated 1884.25
Completed and accepted..... 1884.25
Usual 35 days..... 2513.00
TOTAL COST, \$10,050.00

Bond, \$5025. Sureties, J. W. Shouten
and J. H. McCallum. Limit, 60 days.
Forfeit, none. Plans and specifications
filed.

GRAND STAND NO. 3

(250) EXPOSITION SITE. All work
for construction of Race Tract Grand
Stand No. 3.
Owner.....Panama-Pacific Interna-
tional Exposition, Ser-
vice Bldg., S. F.

Architect...None.
Contractor...McSheehy Bros., 47 Lang-
ton, San Francisco.
Filed Jan. 26, '15. Dated Jan. 9, 15.
As work progresses..... 75%
Usual 35 days..... 25%
TOTAL COST, \$7300

Bond, \$4000. Surety, Fidelity & De-
posit Co. of Maryland. Limit, 35 days.
Forfeit, \$25. Plans and specifications
filed.

GRAND STAND

(251) EXPOSITION SITE. All work
for construction of Race Tract Grand
Stand No. 2.
Owner.....Panama-Pacific Interna-
tional Exposition, Ser-
vice Bldg., S. F.

Architect...None.
Contractor...McSheehy Bros., 47 Lang-
ton, San Francisco.
Filed Jan. 26, '15. Dated Dec. 29, '14.
Payments same as above.....

TOTAL COST, \$22,992
wond, \$12,000. Surety, Fidelity & De-
posit Co. of Maryland. Limit, 45 days.
Forfeit, \$50. Plans and specifications
filed.

VAN NESS AVE. ENTRANCE

(252) EXPOSITION SITE. All work for construction of Van Ness Ave. entrance.

Owner.....Panama-Pacific International Exposition, Service Bldg., S. F.
Architect...None.

Contractor...Strehlow, Freese & Petersen, Exposition Site.

Filed Jan. 26, '15. Dated Jan. 5, '15.

As work progresses..... 75%

Usual 35 days..... 25%

TOTAL COST, \$3000

Bond, \$3000. Surety, Pacific Coast Casualty Co. Limit, 35 days. Forfeit, \$25. Plans and specifications filed.

FILTRATION & PUMPING SYSTEM

(253) EXPOSITION SITE. All work for filtration and pumping system for Auxiliary Water System.

Owner.....Panama-Pacific International Exposition, Service Bldg., S. F.
Architect...None.

Contractor...Jno. R. Cahill, 460 Montgomery, San Francisco.

Filed Jan. 26, '15. Dated Jan. 6, '15.

As work progresses..... 25%

Usual 15 days..... 25%

TOTAL COST, \$14,575

Bond, \$8000. Surety, Hartford Accident & Indemnity Co. Limit, 60 days. Forfeit, \$50. Plans and specifications filed.

FRAME RESIDENCE

(254) SE CORBETT AVE 28-2 S Mono (Moss Alley) SW 28-2 E 132 m or N 22-7 1/2 W 128 m or 1 Ptn Lot 11 Blk 4 Market Street Hd. Ass'n. All work except gas fixtures and street sewer connections for two-story frame residence.

Owner.....Jas. J. Flaherty.

Architect...Jno. T. Kidd, 456 Clipper, San Francisco.

Contractor...Herman Kesler, 1076 Guerrero, San Francisco.

Filed Jan. 26, '15. Dated Jan. 22, '15.

2nd floor joists on.....\$368

Enclosed and gravel roof on and

floors laid 368

Brown coated 368

Front and porch work done..... 368

Completed and accepted..... 370

Usual 35 days..... 615

TOTAL COST, \$2457

Bond, \$1250. Surety, Southwestern Surety Insurance Co. Limit, 30 days. Forfeit, \$1. Plans and specifications filed.

FRAME RESIDENCE

(255) E TWENTIETH AVE 266-8 S Taraval S 33-4xE 120. All work for one and one-half-story frame residence.

Owner.....Wm. Shield, 3769 Piedmont Ave., Oakland.

Architect...None.

Contractor...Jos. Neal, 3307 College Ave., Berkeley.

Filed Jan. 26, '15. Dated Jan. 25, '15.

Frame up\$662.50

Brown coated 662.50

Finished 662.50

Usual 35 days..... 662.50

TOTAL COST, \$2650.00

Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications filed.

MECHANICAL WORK

(256) NO LOCATION GIVEN. Mechanical work and installation for Scott's Trip to the South Pole Concession.

Owner.....W. F. Dabelstein, G. J. Koch and Gus Wimssohl.

Architect...None.

Contractor...G. A. Trent.

Filed Jan. 26, '15. Dated Dec. 19, '14.

On demand 75%

On completion 25%

TOTAL COST, \$2688

Bond, limit, forfeit, none. Plans and specifications filed.

EXPOSITION BUILDINGS

(257) EXPOSITION SITE. All work for buildings and partitions for Marine encampment.

Owner.....Panama-Pacific International Exposition, Service Bldg., S. F.
Architect...None.

Contractor...Neil A. McLean Co., Chronicle Bldg., S. F.

Filed Jan. 26, '15. Dated Jan. 9, '15.

As work progresses..... 75%

Usual 35 days..... 25%

TOTAL COST, \$5500

Bond, \$3000. Surety, Pacific Coast Casualty Co. Limit, Feb. 1, 1915. Forfeit, \$25. Plans and specifications filed.

FRAME BUILDING

(258) EXPOSITION SITE. All work for two-story frame building (photograph concession).

Owner.....Cardinelli, Vincent Co., 579 Market, San Francisco.

Architect...Bernard J. Joseph, New Call Bldg., San Francisco.

Contractor...L. A. Hinson, 110 Jessie, San Francisco.

Filed Jan. 26, '15. Dated Jan. 21, '15.

Frame up and enclosed, rough

plumbing and electric work com-

pleted\$2000

Completed and accepted..... 2179

Usual 35 days..... 1400

TOTAL COST, \$5579

Bond, \$2800. Surety, The Aetna Accident & Liability Co. Limit, 30 days. Forfeit, none. Plans and specifications filed.

ALTERATIONS

(259) NO. 2630 LOMBARD. Alter stores.

Owner.....Frank Henze, Premises.

Architect...None.

Contractor...Ratto & Burdett, 3125 Steiner, San Francisco.

COST, \$400

ALTERATIONS

(260) NO. 335 MAPLE. Alter dwlg.

Owner.....L. Hawthorne, 283 Fourth Ave., San Francisco.

Architect...R. E. Nelson, 4438 Geary, San Francisco.

Contractor...Leigh & Schulz, 419 21st Ave., San Francisco.

COST, \$400

ADDITION,

(261) NO. 204 TINGLEY. Add to dwelling.

Owner.....John H. Meyer, Premises.

Architect...None.

Day's work. COST, \$400

FRAME RESTAURANT.

(262) NW LOMBARD & VAN NESS Ave. One-story frame restaurant.

Owner.....M. Edelman, 1017 Howard, San Francisco.

Architect...None.

Contractor...W. B. Zane, 114 Russ, San Francisco.

COST, \$500

ALTERATIONS

(263) NO. 1977 UNION. Alter fruit store.

Owner.....Frank Maurino, 2133 1/2 Union, San Francisco.

Architect...None.

Day's work. COST, \$400

FRAME GARAGE

(264) NO. 48 ARGUELLO BLVD. (rear). One-story frame garage.

Owner.....Helen H. Rolph, Prem.

Architect...None.

Contractor...B. Sturges, 130 18th Ave., San Francisco.

COST, \$500

FRAME STORE

(265) S CHESTNUT 100 W Scott. One story frame store.

Owner.....H. Shaelef, 8450 Fell, S. F.

Architect...None.

Day's work. COST, \$750

FRAME DWELLING AND GARAGE

(266) SE NINTH AVE & ORTEGA. Two-story and basement frame dwelling and garage.

Owner.....Guerrero Realty Co.

Architect...Elite Planners, 1844 5th Ave., Oakland.

Contractor...J. Carlson, 31 Rivoli and J. H. Verner, 1921 23rd St., San Francisco.

COST, \$3000

FRAME DWELLING AND GARAGE

(267) S ORTEGA 95 E Ninth Ave. Two-story and basement frame dwelling and garage.

Owner.....Guerrero Realty Co.

Architect...Elite Planners, 1844 5th Ave., Oakland.

Contractor...J. Carlson, 31 Rivoli and J. H. Verner, 1921 23rd St., San Francisco.

COST, \$2750

ALTERATIONS

(268) NO. 1422 HAIGHT. Alter store.

Owner.....J. Navarrat, 3280 Mission, San Francisco.

Architect...None.

Contractor...L. Hippeley, 1464 Grove, San Francisco.

COST, \$750

RESIDENCE AND GARAGE

(269) NE THIRTEENTH AVE AND "C" 35 on 13th Ave and 95 on "C."

Concrete, brick, carpenter, mill, plaster, painting, etc., for two-story frame residence and one-story garage.

Owner.....P. L. Bannan, 50 Parnassus Ave., San Francisco.

Architect...None.

Contractor...Andrew Helbing, 1420 Market, San Francisco.

Filed Jan. 27, '15. Dated Jan. 26, '15.

Frame up\$2500

Brown coated 2500

Standing finish on..... 2000

Completed and accepted..... 2000

Usual 35 days..... 2500

TOTAL COST, \$11,500

Bond, \$2500. Sureties, Oscar H. Curtiaz and Thos. F. Bannan. Limit, 90 days. Forfeit, none. Plans and specifications filed.

FRAME RESIDENCE

(270) E TWENTY-SECOND AVE 205-8 N Taraval N 26-5xE 120. All work for one-story frame residence.

Owner.....Chas. Bauersachs.

Architect...A. J. Barnett, 76 College Ave., San Francisco.

Contractor..E. Ichters and P. Grell.
Filed Jan. 27, '15. Dated Jan. 26, '15.
Roof boards on.....\$425
White plastering on..... 425
Completed 425
Usual 35 days..... 425
TOTAL COST, \$1700

Bond, none. Limit, 75 days. Forfeit, none. Plans and specifications filed.

BRICK RESIDENCE

(282) N GREEN 206-3 W Webster W 36-9x137-6. Grading, brick, carpenter, roofing, plaster, glass, inside wood finish, hardwood floors, tiling, mantels, rough hardware for two-story brick residence.

Owner.....Emma B. Hufschmidt, 116 Guerrero, San Francisco.

Architect...E. J. Vogel, 2335 Pacific Ave., San Francisco.

Contractor..L. A. Secor, 80 Caselli Ave., San Francisco.

Filed Jan. 28, '15. Dated Jan. 25, '15.
Foundation to first floor.....\$2429.00
Roof on and outside veneered on brick walls 2429.00
Brown coated 2429.00
Completed and accepted..... 2430.50
Usual 35 days..... 3240.00
TOTAL COST, \$12,957.50

Bond, \$3250. Sureties, H. G. Dodds and H. F. Secor. Limit, 90 days. Forfeit, none. Plans and specifications filed.

NOTE:—Specifications read S Green 206-3 W Webster 36-9x137-6.

FRAME BUILDING

(283) E FILLMORE 55 S Broadway E 25xS 20. All work for one-story frame building.

Owner.....John Nessmiller, 576 Mission, San Francisco.

Architect...Emil D. Zecher.

Contractor..Arthur Elvin, 3854 23rd, San Francisco.

Filed Jan. 28, '15. Dated Jan. 27, '15.
Enclosed, rough and electric work roughed in\$408
Completed and accepted..... 409
Usual 35 days..... 273
TOTAL COST, \$1090

Bond, \$545. Surety, Massachusetts Bonding & Insurance Co. Limit, 16 days. Forfeit, \$5. Plans and specifications filed.

ALTERATIONS

(284) NW STOCKTON & O'FARRELL. Alterations in street front of Cafe Rex.

Owner.....D. Samuels Co., Premises.

Architect...G. Albert Lansburgh, M. A. Gunst Bldg., S. F.

Contractor..C. M. Moore.

Filed Jan. 28, '15. Dated Jan. 28, '15.
Standing finish set ready for glass\$500
Completed and accepted..... 954
Usual 35 days..... 500
TOTAL COST, \$1954
Bond, \$1000. Surety, Aetna Accident & Liability Co. Limit, March 1, 1915. Forfeit, \$10. Plans and specifications filed.

BLAST PIPE SYSTEM

(285) W DELAWARE 154 S 22nd S 279xW 200. All work for a blast pipe system for two 18 feet 9 in. Jones Improved Oil Gas Sets at Potrero Gas Works.

Owner....Pacific Gas & Electric Co., 445 Sutter, San Francisco.

Architect...None.

Contractor..Rees Blow Pipe Mfg. Co., 340 7th, San Francisco.

Filed Jan. 28, '15. Dated Jan. 20, '15.
On completion 75%

Usual 35 days..... 25%
TOTAL COST, \$686.85
Bond, \$375. Surety, Royal Indemnity Co. Limit, forfeit, none. Plans and specifications filed.

CLASS "C" APARTMENTS

(286) N ELLIS 55 W Jones N 120xW 52-6. Carpenter, mill, roofing, metal, stairs, glass, glazing, etc., for six-story Class "C" apartments.

Owner.....The Peter Windeler Co., 2025 Folsom, S. F.

Architect...August Nordin, Mills Bldg., San Francisco.

Contractor..Fred Miller, 225 Dolores, San Francisco.

Filed Jan. 28, '15. Dated Jan. 21, '15.
Floor joists in, roof on and window frames set.....\$5319
Ready for lathing..... 5319
Standing finish on interior and exterior done 5320
Completed and accepted..... 5320
Usual 35 days..... 7095
TOTAL COST, \$28,373

Bond, \$14,187. Surety, New Amsterdam Casualty Co. Limit, 90 days after brick work ready. Forfeit, \$30. Plans and specifications filed.

(287) STRUCTURAL STEEL & IRON

work and fire escapes on above.

Contractor..Schrader Iron Works, 1247 Harrison, San Francisco.

Filed Jan. 28, '15. Dated Jan. 21, '15.
All steel erected.....\$4152
Steel frame completed..... 4153
Completed and accepted..... 920
Usual 35 days..... 3075
TOTAL COST, \$12,300

Bond, \$6150. Sureties, L. M. Zimmermann and Chas. A. Carillon. Limit, 80 days from Jan. 19, 1915. Forfeit, \$30. Plans and specifications filed.

(288) PLUMBING, GAS FITTING,

draining and steam heating on above

Contractor..Peterson-James Co., 710 Larkin, San Francisco.

Filed Jan. 28, '15. Dated Jan. 21, '15.
Roughed in\$4352
Completed and accepted..... 3500
Usual 35 days..... 2620
TOTAL COST, \$10,472

Bond, \$5236. Sureties, Chas. Lauffer and R. W. Kinney. Limit, 25 days from roughing, 25 days for finishing up. Forfeit, \$30. Plans and specifications filed.

(289) BRICK AND TERRA COTTA

work on above.

Contractor..Rainey & Phillips.

Filed Jan. 28, '15. Dated Jan. 21, '15.
Brick and terra cotta up to 3rd floor level\$2155
Same up to 5th floor level..... 2155
Completed and accepted..... 2156
Usual 35 days..... 2160
TOTAL COST, \$8626

Bond, \$4313. Surety, Southwestern Surety Co. Limit, as required. Forfeit, \$30. Plans and specifications filed.

(290) LATHING AND PLASTERING

on above.

Contractor..Gus Johnson.

Filed Jan. 28, '15. Dated Jan. 21, '15.
Interior metal lathed.....\$2400
Interior 2nd coated and exterior completed 3000
All work except patching done.. 1400
Completed and accepted..... 400
Usual 35 days..... 2400
TOTAL COST, \$9600

Bond, \$4800. Surety, Fidelity & Deposit Co. of Maryland. Limit, as re-

quired. Forfeit, \$30. Plans and specifications filed.

CLASS "C" APARTMENTS

(291) N ELLIS 55 W Jones N 120xW 52-6. Painting, varnishing, Linerusta work, paper hanging and tinting for six-story Class "C" apartments.

Owner.....The Peter Windeler Co., 2025 Folsom, S. F.

Architect...August Nordin, Mills Bldg., San Francisco.

Contractor..R. Zelinsky, 57 Clementina San Francisco.

Filed Jan. 28, '15. Dated Jan. 21, '15.
Interior white coated, cement wainscot 2nd coated and Linerusta on\$800
Interior 2d coated, cement wainscot on, 3d coat on interior and sized 800
Usual 35 days..... 800
TOTAL COST, \$3200

Bond, \$1600. Sureties, M. Rosencrantz and Wm. A. Newsom. Limit, 15 days after notification. Forfeit, \$30. Plans and specifications filed.

(292) ELECTRICAL WORK ON ABOVE

Contractor..M. A. De Lew, 189 Stevenson, San Francisco.

Filed Jan. 28, '15. Dated Jan. 21, '15.
Roughed in\$1000
Completed and accepted..... 800
Usual 35 days..... 600
TOTAL COST, \$2400

Bond, \$1200. Surety, The Aetna Accident & Liability Co. Limit, as required. Forfeit, \$30. Plans and specifications filed.

(293) EXCAVATION AND FILLING

for footings, walls, etc., reinforced concrete, plain concrete and cement work, etc., on above.

Contractor..Richard J. H. Forbes, Mo-nadnock Bldg., S. F.

Filed Jan. 28, '15. Dated Jan. 21, '15.
Foundations and piers ready for steel bases\$1500
Basement walls, etc., are erected to full height, interior basement columns fire proofed and runways completed 1500
Completed and accepted..... 850
Usual 35 days..... 1285
TOTAL COST, \$5135

Bond, \$2568. Surety, Aetna Accident & Liability Co. Limit, as required. Forfeit, \$30. Plans and specifications filed.

STRUCTURAL STEEL FOR CAFE

(294) NW STOCKTON & O'FARRELL. Structural steel for Cafe Rex in bldg.

Owner.....Herbert Meyerfeld and Gustav Mann, 2781 Clay, San Francisco.

Architect...G. Albert Lansburgh, M. A. Gunst Bldg., S. F.

Contractor..Pacific Structural Iron Works, 370 10th, S. F.

Filed Jan. 28, '15. Dated Jan. 28, '15.
On completion 75%
Usual 35 days..... 25%
TOTAL COST, \$965

Bond, \$500. Surety, The Aetna Accident & Liability Co. Limit, 10 days. Forfeit, none. Plans and specifications filed.

PATENT FLUE

(295) NO. 550 O'FARRELL. All work for 10 inch patent flue in building.

Owner.....Menlo Restaurant.

Architect...None.

Contractor..A. B. Plumbing Co.

Filed Jan. 29, '15. Dated Jan. 28, '15.
January 28, 1915.....\$25.00

February 6, 1915..... 25.00
 March 6, 1915..... 51.50
TOTAL COST, \$101.50
 Bond, limit, forfeit, none. Plans and specifications, none.

VACUUM CLEANER, ETC.

(296) N TURK 171-10½ E Taylor E 34-4½xN 137-6. All work for 1 Atwood vacuum cleaner, etc., for seven story and basement steel frame bldg. Owner.....Zellerbach-Levison Co. Architect...None. Contractor..Bill & Jacobsen, 502 Mission, San Francisco. Filed Jan. 29, '15. Dated Jan. 18, '15. When vacuum system completed.\$270 Usual 35 days..... 90 **TOTAL COST, \$360** Bond, \$180. Surety, National Surety Co. Limit, 28 days. Forfeit, \$15. Specifications only filed.

HEATING & VENTILATING SYSTEM

(297) STOCKTON STREET. Heating and ventilating system for Chinese Christian Institute Building.

Owner.....The Christian Woman's Board of Missions of City of Indianapolis. Architect...Robt. H. Orr, Van Nuys Bldg., Los Angeles. Contractor..Gaspard & Hammond, Sharon Bldg., San Francisco Filed Jan. 29, '15. Dated Jan. 12, '15. On 1st and 10th of each month 75% Usual 35 days..... 25% **TOTAL COST, \$2500**

Bond, \$1250. Surety, Southwestern Surety Insurance Co. Limit, March 1, 1915. Forfeit, none. Plans and specifications filed.

NOTE:—Job on Stockton, between Sacramento and Clay.

(298) PIPING, RADIATORS, BLAST radiators, plenum chamber, sheet metal work, screens and registers, boilers, hot water, tank, etc., on above.

Contractor..Gaspard & Hammond, Sharon Bldg., S. F. Sub-Contractor..Wm. P. Goss, 4640 Geary, San Francisco. Filed Jan. 29, '15. Dated Jan. 16, '15. Ret. 1st and 12th of each month 75% Usual 35 days..... 25% **TOTAL COST, \$2160** Bond, \$1080. Surety, Fidelity & Deposit Co. of Maryland. Limit, forfeit, none. Plans and specifications filed.

FRAME DWELLING

(299) S CARL 75 E Arguello Boulevard. Two-story and basement frame dwelling. Owner.....F. Nelson, 30 Presidio Terrace, San Francisco. Architect...None. Day's work. **COST, \$2500**

FRAME DWELLING

(300) E TWENTY-SIXTH AVE 100 N Taraval. One-story and basement frame dwelling. Owner.....Clair Auger, 1374 20th Ave San Francisco. Architect...None. Day's work. **COST, \$400**

ALTERATIONS

(301) NO. 765 MARKET. Alter basement. Owner.....Golden Rule Cafe, Prem. Architect...None.

Contractor..Oscar Fincke, 1916 Bryant San Francisco. **COST, \$500**

REPAIRS

(302) NO. 385 EIGHTH. Make repairs for installing boiler. Owner.....New Process Laundry, 385 Eighth, San Francisco. Architect...None. Day's work. **COST, \$500**

FRAME LUNCH COUNTER

(303) NO. 2232 CHESTNUT. One-story frame lunch counter. Owner.....A. H. Johnston. Architect...None. Contractor..W. C. Petersen, 432 Los Angeles Ave., Daly City. **COST, \$600**

ALTERATIONS

(304) NO. 246 SECOND AVE. Alter dwelling. Owner.....Mrs. J. Brophy, Premises. Architect...None. Contractor..R. Dunning 4226 California, San Francisco. **COST, \$625**

ALTERATIONS AND REPAIRS

(305) NO. 623 BAKER. Alter and repair dwelling. Owner.....Ernest Natusch, San Jose. Architect...None. Contractor..J. Persson, 702 Divisadero, San Francisco. **COST, \$400**

FRAME RESIDENCE

(306) NW ESTRO & ALVISO. Two-story and basement frame residence. Owner.....Urban Realty Improvement Co., 85 Cerritos Ave., San Francisco. Architect...Jos. A. Leonard, 85 Cerritos Ave.e, San Francisco. Day's work. **COST, \$5600**

FRAME RESIDENCE

(307) W BRODERICK 117-6 S Union. Two-story and basement frame residence. Owner.....M. A. Little, 1347 4th Ave., San Francisco. Architect...E. E. Young, 251 Kearny, San Francisco. Day's work. **COST, \$8000**

FRAME RESIDENCE

(308) W BRODERICK 147-6 S Union. Two-story and basement frame residence. Owner.....M. A. Little, 1347 4th Ave., San Francisco. Architect...E. E. Young, 251 Kearny, San Francisco. Day's work. **COST, \$8000**

FRAME RESIDENCE

(309) W BRODERICK 87-6 S Union. Two-story and basement frame residence. Owner.....M. A. Little, 1347 4th Ave., San Francisco. Architect...E. E. Young, 251 Kearny, San Francisco. Day's work. **COST, \$8000**

FRAME DWELLING

(310) E PRENTISS 125 N Jarboe. One and one-half-story and basement frame dwelling. Owner.....New Era Bldg. Co., 3289 Mission, San Francisco.

Architect...None. Day's work. **COST, \$1600**

ADDITION

(311) NO. 485 E-BUENA VISTA AVE. Add one-room to dwelling. Owner.....George Schueppel, Prem. Architect...None. Contractor..Geo. Nimmi, Premises. **COST, \$400**

FRAME DWELLING

(312) W FOLSOM 50 S Excelsior. One and one-half-story and basement frame dwelling. Owner.....Ward C. Brown, 2945 Harrison, San Francisco. Architect...None. Contractor..Ward C. Brown, 2945 Harrison, San Francisco.

ALTERATIONS

(313) 1955 CHESTNUT. Alter stores and add to rear. Owner.....Dave Cohen, Premises. Architect...None. Contractor..W. L. Hemphill, 47 Guerrero, San Francisco. **COST, \$450**

VACUUM CLEANING PLANT

(314) N GEARY, bet. Leavenworth & Jones. Vacuum cleaning plant for The Wellington Hotel. Owner.....George P. Tallant, Santa Barbara, Cal. Architect...G. A. Applegarth, Claus Spreckels Bldg., S. F. Contractor..Western Vacuum Co. Filed Jan. 30, '15. Dated Dec. 18, '14. On 1st of each month..... 75% Usual 35 days..... 25% **TOTAL COST, \$377** Bond, none. Limit, as rapidly as practical. Forfeit, none. Specifications only filed.

PAINTING, ETC FRAME RESIDENCE

(315) N VALLEJO 73 E Fillmore E 32 xN 137-6. Painting, polishing, paper hanging and tinting for three-story and basement frame residence.

Owner.....George P. Fuller, 2250 Vallejo, San Francisco. Architect...Ward & Blohme, Alaska Commercial Bldg., S. F. Contractor..H. Maundrell, 320 Hayes, San Francisco. Filed Jan. 30, '15. Dated Jan. 26, '15. On 1st of each month..... 75% 36 days after..... \$325 **TOTAL COST, \$1300** Bond, \$650. Sureties, E. R. Rainey and Chas. H. Carillon. Limit, as fast as possible. Forfeit, none. Plans and specifications filed.

COMPLETION NOTICES.

San Francisco

Jan. 23, 1915—SW SANSOME AND California. Fierman's Fund Insurance Co to Holloway Expanded Metal Co.....Jan. 22, 1915
 Jan. 23, 1915—W NINTH AVE 250 N Moraga (M) N 50xW 120. Alpheus Duffee and Mary Elizabeth Duffee to whom it may concern.Jan. 22, '15
 Jan. 23, 1915—EXPOSITION SITE. Standard Varnish Works to J H Welsh.....Jan. 20, 1915
 Jan. 23, 1915—NW POST & STOCKTON N 137-6xW 137-6. Blanche M Burbank to Van Emon Elevator CoJan. 15, 1915

Jan. 23, 1915—SE DRAKE AND 26TH Ave E 32-6xS 100. Amelia Gartner to N A Carlson.....Jan. 16, 1915

Jan. 25, 1915—E ELEVENTH AVE 114 S "J" S 25x120. Theodor Person to whom it may concern.....Jan. 22, 1915

Jan. 25, 1915—E ELEVENTH AVE 89 S "J" S 25x—120. Theodor Person to whom it may concern.....Jan. 22, 1915

Jan. 25 1915—NW LYON & TONQUIN E 788.45 N 500 W 770.08 m or l S 500.33 m or l. Panama-Pacific International Exposition Co to Scott Co.....Jan. 20, 1915

Jan. 25, 1915—E FIFTH AVE 225 S Cornwall S 25xE 120. Emma J Briare to Edward F Helms.....Jan. 23, 1915

Jan. 25, 1915—NW POST & STOCKTON N 137-6xW 137-6. Blanche M Burbank to Nathan Dohrman Co.....Jan. 11, 1915

Jan. 25, 1915—W GENESEE Cor. Balboa Park S 27-6 feet Lot 24 Blk 1 Sunnyside, No. 1 Genesee St. Leota Hoch to Stevenson & Gowan.....Jan. 23, 1915

Jan. 25, 1915—E RAMONA AVE 190 S 14th S 25xE 75. Louise B Schlaich (wf Chas. L) to whom it may concern.....Jan. 23, 1915

Jan. 25, 1915—LOT 296 Jacob Heymans Sub Cobb Tract. Wm Hanson to Wm Grahn.....Jan. 20, 1915

Jan. 25, 1915—SW CLEMENT AND Third Ave S 70xW 30. F De Curtioni to J I Mitrovich.....Jan. 21, 1915

Jan. 25, 1915—E SIXTEENTH AVE 232-3 N Clement N 26x—135. Jeanette Yates to whom it may concern.....Jan. 20, 1915

Jan. 26, 1915—N LAKE 57-6 W 16th Ave W 25xN 100. Charles J Gallatin to A Sarraillie and S Lagomarsino.....Jan. 16, 1915

Jan. 25, 1915—E TWENTY-FIRST Ave 175 S Lincoln Way. Angelita Lindsey to Mac Arthur Bros.....Jan. 23, 1915

Jan. 26, 1915—E SIXTH AVE 566 N Lake E 120 N 84-9 m or l SW 194-4 S 27-1½ E 70-1½ m or l S 11-4. Elise A Drexler to J Wendering.....Jan. 18, 1915

Jan. 26, 1915—EXPOSITION SITE. Panama-Pacific International Exposition Co to Western Bldg & Eng Co.....Jan. 25, 1915

Jan. 26, 1915—NE HYDE & FRANCISCO E 45xN 137-6. Blanche H Patigan to Harvey A Klyce.....Jan. 22, 1915

Jan. 26, 1915—E TWELFTH AVE 225 N Balboa; E 12th Ave 200 N Balboa. C A Hall to whom it may concern.....Jan. 25, 1915

Jan. 27, 1915—E TWENTY-FIRST Ave 125 S Geary — 25 E 120 N 25 W 120. Johnson & Johnson or A E Johnson to whom it may concern.....Jan. 27, 1915

Jan. 27, 1915—LOT 27 and that ptn Lot 28 described as SW West Clay 5.77 SE from N bdy line Lot 28 NW 5.77 S 125.56 SE 5.35 N 125.40 m or l. West Clay Park. Mary L Knecht to T W McClenahan & Co.....Jan. 23, 1915

Jan. 27, 1915—N BROADWAY 68-9 W Webster W 148-9xN 275. Jas L Flood to Dowling & Ahlert.....Jan. 22, 1915

Jan. 27, 1915—LOT 30 AND N ½ Lot 29 Blk 23, Crocker Amazon Tract John Bjorkman to whom it may concern.....Jan. 22, 1915

Jan. 26, 1915—SE PIERCE & CHESTNUT 25x110. John and Christina Paymiller to whom it may concern Jan. 28, 1915—BLOCK BDED BY Grove, Larkin, Hayes and Polk. Panama-Pacific International Exposition Co to Roberts Mfg Co.....Jan. 25, 1915

Jan. 28, 1915—E THIRTY-SEVENTH Ave 175 N Anza N 25xE 120. Fred L McDowell to Fred L McDowell.....Jan. 23, 1915

Jan. 28, 1915—W EUREKA 23-4 S 22nd S 46-10xW 76. N J Nelson to whom it may concern.....Jan. 27, 1915

Jan. 28, 1915—N SACRAMENTO 201 W Taylor W 27-6xN 120. C C McKenzie to J Prout.....Jan. 15, 1915

Jan. 28, 1915—E BAKER 125 S Filbert S 25xE 100. Mabel A Flood to W W Rednall.....Jan. 27, 1915

Jan. 28, 1915—SW TAYLOR & EDDY W 137-6xS 137-6. Morris, Joseph and Julia Hyman, Theresa Stone, Emilie Baruch and Henry W Hyman Estate Co to Scott Co.....Jan. 25, 1915

Jan. 28, 1915—N JACKSON 40 E Spruce. Louis Saroni by Macdonald & Kahn to Bradley & O'Reilly.....Jan. 25, 1915

Jan. 29, 1915—W SEVENTEENTH Ave 200 S Anza 25x120. Wm P Nolan to whom it may concern.....Jan. 29, 1915

Jan. 29, 1915—S ELLIS 137-6 W Jones W 82-6xS 137-6. Traders Realty Co to Jas S Fennell.....Jan. 23, 1915

Jan. 29, 1915—S O'FARRELL bet. Mason & Taylor; No. 339 O'Farrell. Justin Taravellier to H W Arnold.....Jan. 29, 1915

Jan. 29, 1915—E SIXTEENTH AVE 206-3 N Clement N 22xE 135. Jeanette Yates to whom it may concern.....Jan. 27, 1915

Jan. 29, 1915—E TWENTY-SIXTH Ave 70 N West Clay N 30xE 80. John J or J Sheehan to R L Turner.....Jan. 28, 1915

Jan. 29, 1915—N BALBOA 95 W 9th Ave. Thos Vodden to Thomas Vodden & Son.....Jan. 23, 1915

Jan. 29, 1915—SE FRANCISCO AND Hyde S 97-6xE 62-6. F Dudley Tait to H A Klyce.....Jan. 25, 1915

Jan. 29, 1915—PACIFIC NO. 3271. (rear). Katharine P Hooker to K H McKenzie & Co.....Jan. 27, 1915

LIENS FILED

SAN FRANCISCO COUNTY.

Jan. 16, 1915—W TWENTY-THIRD Ave 215 S Uloa S 25xW 120. M Bertolino vs J H Claussen, Isadora Claussen and J H Haner.....\$330

Jan. 16, 1915—E EUREKA 150 S 18th S 108-6xE 120. J S Guerin & Co vs Beulah Real Estate Co, A E Olsen and A Sundberg.....\$292.75

Jan. 16, 1915—NW TWENTY-FIRST and Hampshire N 93xW 25. Loop Lumber Co vs A Filipini.....\$115.84

Jan. 16, 1915—W NINTH AVE 125 S Geary S 25xW 120. Loop Lumber Co vs A Filipini.....\$70.45

Jan. 18, 1915—PTN OF LAND BDED on W by Illinois; S by 20th; N by 19th; E by Bay of San Francisco. Frank Morse Spencer (as Spencer Elevator Co), \$825; Frank P Doe Co, \$3333.36; Pacific Building Materials Co, \$432 vs Union Iron Works and Thos H Day's Sons

Jan. 18, 1915—N HEARST AVE 125 W Genessee W 25xN 112-6. L A Hufschmidt Mfg Co vs H H Wendt.....\$85.25

Jan. 20, 1915—SW CAPP AND 26TH W 25xS 100 m or l NE 87-9 to beg. Robert McLelland vs Marie or Mary Revilli or Marie Antoinette Revilli.....\$1200

Jan. 20, 1915—SW CAPP AND 26TH W 25 S 100 m or l NE 87-9 m or l. Robert McLelland, Inc vs Marie or Mary Revilli or Marie Antoinette Revilli.....\$1648.78

Jan. 21, 1915—SW STEINER AND Greenwich S 25xW 100. Fibrestone & Roofing Co vs R Morisio, G Alessio and P Prasso.....\$56

Jan. 21, 1915—S McALLISTER 55 W Gough W 55xS 137-6. Petersen-James Co vs Ruben Cohn and B O Smith.....\$88.75

Jan. 21, 1915—SW TWENTY-SIXTH and Capp W 25 m or l S 100 m or l to NW Serpentine Ave NE 31 m or l N 87-9 m or l. A and D Ratto (as Ratto & Ratto) vs Maria Rivelli.....\$4742.60

Jan. 21, 1915—NW MARKET AND W The Embarcadero NW along W line The Embarcadero to a point formed by intersection of W The Embarcadero and S Commercial W along Commercial to a pt 481-8 E Drumm S 59-9 E 45-8 S 59-9 to a pt on N Sacramento 527-4 E Drumm N to beg. Pacific Mfg. Co vs Thos. H Day's Sons and Henry Cowell Lime & Cement Co.....\$2942.92

Jan. 23, 1915—N TWENTIETH 200 E Illinois N 200 W 200 th along E Illinois to S 18th th along S 18th to W Maryland, th along W Maryland to N 20th th along N 20th to beg. California Construction Co vs Union Iron Works and Thos H Day's Sons.....\$592

Jan. 23, 1915—S TWENTIETH 200 E Michigan S 133-7½xE 79-8. Builders' Supply Depot vs Harry L and Chas A Day (as Thos H Day's Sons) and Union Iron Works.....\$578

Jan. 23, 1915—N O'FARRELL 74 W Larkin W 63-6xN 120. J S Guerin & Co vs Maria Schumacher, H W Ludemann, Hermine Ludemann, Richard Sinnott and A Sundberg.....\$335.50

Jan. 25, 1915—E SHOTWELL 125 S 15th S 75xE 122-6. Camp & Carillon vs Frances D Price.....\$85

Jan. 25, 1915—W SIXTH AVE 175 S Geary S 25x100. Ed Evans vs Agnes Sullivan.....\$29

Jan. 25, 1915—LOTS 4 AND 5 BLK 3 Crocker Amazon Tract. J I Mitrovich Bldg Co vs Vittoric Boicelli.....\$5000

Jan. 25, 1915—SW GALVEZ AVE 100 NW Mendell NW 50xSW 100 Ptn Lot 28 Blk 139 Central Park Hd Assn. Spring Valley Lumber Yard vs Remy and Marie Laplace and J Pedeupe.....\$243.86

Jan. 26, 1915—S RAUSCH AND Howard SE 73xSW 56; SW Rausch 73 SE Howard SE 27xNW 56. The Gas & Electric Appliance Co, Inc vs W R Bell, Chas Alsop, Daniel G Coleman, Edw H Coleman and Margaret V Coleman.....\$678.12

Jan. 26, 1915—W DOLORES 55 m or l S 28th S 25xW 95 m or l. The Greater City Lumber Co vs Mrs A Cohane.....\$67.15

Jan. 27, 1915—S HOWARD & RAUSCH SW 56xSE 73; SW Rausch 73 SE Howard SW 56xSE 27. Peerless

Get It From Bacon



Foote Mixer on building work.
Lang & Bergstrom, Contractors.



The Concrete Mixer of Quality

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EDWARD R. BACON CO.

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Successors to

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Telephone Sutter 1675

38-40 NATOMA ST., S. F.

Edward R. Bacon is positively not connected with any other firm.

E H and Margaret V Coleman. \$397.91
Jan. 29, 1915—W THIRTY-FOURTH
Ave 275 S Balboa S 30xW 120.
Felix McHugh & Son vs T Jacobs..
.....\$62.50

RELEASE OF LIENS

SAN FRANCISCO COUNTY.

Jan. 11, 1915—SW MASON & JACK-
son W 57-6xS 24. C Bloom to A
Brisa, G Volpi and Antone Sam-
buck

Jan. 12, 1915—N PAGE 100 E Fill-
more. Gas & Electric Appliance Co,
Inc to Margaret and Anna Carey..
Jan. 18, 1915—SW TURK & POLK S
120 W 97-6 N parallel with Polk
30 E 30 N 90 E 67-6. A E Hornlein
to John Galloway and Chas W
Slack, extras Estate Reuben H
Lloyd, dec'd.

Jan. 20, 1915—E EUREKA 150 S
18th S 108-6xE 120. J S Guerin &
Co to A E Olson, Beulah Real Est
Co and A Sundberg.

Jan. 21, 1915—S LAKE 32-6 W 18th
Ave W 25xS 100. W R Kinney Co
to Emma Clinton Rose, C C Turney
O E Evans and A Davis.

Jan. 23, 1915—SW GEARY & LARKIN
W 76xS 120. J S Guerin & Co,
Chicago Hoist Engine Co to P J
Gartland and Paul I Karib.

Jan. 23, 1915—N WASHINGTON 128-9
E Jones E 48-9 N 62-6 E 20 N 75
W 68-9 S 137-6. Morris Stulsaft Co
to Mae H Boggs.

Jan. 26, 1915—W SIXTH AVE 175 S
Geary S 25x120. Ed Evans to
Agnes Sullivan.

OAKLAND AND ALAMEDA COUNTY.

BOAT HOUSE—1 story, reinforced
concrete, \$10,000. Oakland, Cal. Ar-
chitect, W. D. Reed, Oakland Bank of
Savings, Oakland. Owners, City of
Oakland. This building has been men-
tioned here before when plans were
first started. Bids are now being
taken and will be opened by the Park
Commissioners on February 3. The
building has been designed to accom-
modate canoes exclusively. Interior
finish will be of pine. Exterior of the
building will be faced with cement
plaster. A clay tile roof will be used.
Bids will be opened at the same meet-
ing for a frame tower to be erected
for the Park Commission. Plans can
be secured from the office of the ar-
chitect or from the Secretary of the
Park Commission.

APARTMENT HOUSE—4 story and
base. Class C construction, \$70,000.
Oakland, Cal. Architect, Clay N. Bur-
rell, Albany Block, Oakland. Owner,
J. Meyers. The building will be erec-
ted on Alice street and has been de-
signed to contain a total of 33 suites
of two, three and four rooms. All
apartments will have private bath
rooms. Interior of the building will
be finished in pine, redwood and hard-
wood. Some hardwood floors will be
used. Plans provide for steam heat,
elevator service, a hot water supply
and vacuum cleaning system. Bath
rooms will have tile wainscot and com-
position floors. All suites will be
equipped with wall beds. Exterior of
the building will be faced with pressed
brick trimmed with terra cotta. Plans
are complete and in the hands of the
owner who is now letting subcontracts
for the work.

SCHRADER
INC. **IRON**
WORKS

Structural Steel Contractors

Works at
HARRISON ST.,
bet. 8th & 9th
San Francisco

Telephone Market 337

Agencies Co vs Daniel G, Edw H
and Margaret V Coleman and Wm
R Bell\$360

Jan. 27, 1915—S RAUSCH AND
Howard SE 100xSW 56 also de-
scribed as S Rausch and Howard SE
100xSW 56. SW Rausch 14 SE How-
ard SE 27xSW 56. A W Pike &
Co vs W R Bell, Chas. L. Alsop,
Daniel G Coleman, Edward H Cole-
man and Margaret V Coleman....
.....\$281.29

Jan. 27, 1915—S HOWARD & RAUSCH
SE 100xSW 56. Reinhardt Lumber
Planting Mill Co vs Wm R Bell, D
G Coleman, E H Coleman and
Margaret V Coleman.....\$81.60

Jan. 27, 1915—NW MARKET AND
The Embarras (East) N to Com-
mercial, W to a point 48' S E
Fulton S 100 E 100 S 100 E to
Market NE to bay. City Ship Yards
vs Wm R Bell, Chas. L. Alsop, Iron
Works vs Henry Cowell Lime &
Cement Co and Thomas H Day's
Sons\$369

Jan. 27, 1915—NE HAIGHT & PIERCE
E 100xN 100. The Pacific Lumber Co
vs J H and Sam Hermann\$447

Jan. 27, 1915—NW POST & STOCK-
ton N 137-6xW 137-6. Continental
Fireproofing Co vs Blanche M Bur-
bank\$5901.55

Jan. 27, 1915—SW RAUSCH 73 SE
Howard SE 27xSW 56. W P Fuller
a corp. vs W R Bell, Daniel G
Coleman, Edw H Coleman and
Margaret V Coleman.....\$372.20

Jan. 27, 1915—S HOWARD & RAUSCH
SE 100 W 56 NW 100 E 56. J W
Schouten & Co vs Daniel C, Edw
H and Margaret Coleman, W R
Bell and Chas Alsop.....\$3727.44

Jan. 28, 1915—S RAUSCH & HOWARD
S 100 SW 56 NW 100 NE 56.
Eureka Sash, Door & Moulding
Mills vs Edward H, Margaret V
and Daniel G Coleman and Wm R
Bell\$480

Jan. 28, 1915—NE TWENTY EIGHTH
Ave and Fulton N 175 E 120 S 55 W
to S 120 W 100. E J Gallagher vs
Chas Kollmar\$48

Jan. 28, 1915—SE TENTH AVE AND
Anza S 33-4xE 95. A Anderson vs
M and Jane Doe Schel.\$120

Jan. 29, 1915—S HOWARD & RAUSCH
SE 100xSW 56. Joost Bros vs D G

WATER SYSTEM EXTENSION — Cost not stated. Oakland, Cal. Engineer, City Engineer, Oakland. Owners, City of Oakland. Plans are complete and bids will be opened on February 4th for constructing a water system along the Quay Wall from Myrtle street to Clay street. Plans can be secured from the office of the City Engineer.

RESIDENCE — 2 story and base, frame. Cost not stated. Oakland, Cal. Architect, John Hudson Thomas, First National Bank Bldg., Berkeley. Owner, C. S. Cherry. The dwelling will be erected in Rockridge Park and has been designed for a seven room house with bath and sleeping porch. Interior will be finished in pine, hardwoods and white enamel. Hardwood floors will be used in the living room, dining room and reception hall. Plans provide for furnace heat and open fire places. Mantels will be of tile or brick. An automatic water heater will be installed. Bath room will have tile floor and wainscot. Exterior of the house will be covered with cement plaster on metal lath. Plans are complete and figures are being taken.

RESIDENCE — 2 story and base, frame, \$4,800. Oakland, Cal. Architect, none. Owner, Dr. W. L. McCracken, 1327 Broadway, Oakland. The dwelling will be erected on the south side of Lake Shore Drive east of Walla Vista and has been designed for a seven-room house with two baths and sleeping porch. A private garage will occupy the basement. Interior of the dwelling will be finished in pine and hardwood with some white enamel. Hardwood floors will be used throughout. Bath rooms will be finished in tile. Plans provide for furnace heat and open fire places. Mantels will be of tile and brick. An automatic water heater will be installed. Exterior of the house will be covered with cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor. Materials are now being purchased.

RESIDENCE — 2 story and base, frame, \$3,000. Oakland, Cal. Architect, none. Owner, Paul E. Woodburn, 3965 Greenwood avenue, Oakland. The dwelling will be erected on the east side of Greenwood avenue, south of Brighton, and has been designed to contain seven rooms and bath. Interior finish will be of pine, redwood and white enamel. Hardwood floors will be used in the living room, dining room and reception hall. There will be furnace heat and open fire places. Mantels will be of tile and brick. Tile wainscot will be used in the bath room. An automatic water heater will be installed. Exterior of the house will be covered with cement plaster on metal lath. Plans are complete and the work will be done by Day Labor under the personal direction of the owner.

RESIDENCE — 2 story and base, frame, \$5,000. Oakland, Cal. Architect, none. Owner, William C. Mason, 1561 Marin View avenue, Berkeley. The dwelling will be erected on the north side of Ocean View avenue east of The Cross roads, and has been designed for an eleven-room house with two baths and sleeping porches. Interior finish will be of pine and redwood. Hardwood floors will be used in the principal rooms. Mantels will be of tile or brick,

Tile wainscot will be used in the bath rooms. An automatic water heater will be installed. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor. Materials are now being purchased.

RESIDENCE — 2 story and base, frame, \$10,000. Oakland, Cal. Architects, Schirmer-Bugbee Co., Dalziel Bldg., Oakland. Owner, Dr. F. W. Shores. The dwelling has been designed for an eight-room house with three baths, sleeping porch and separate garage, and will be erected in the Crocker Highlands. Interior will be finished in pine, hardwoods and white enamel. Hardwood floors will be used throughout. Bath rooms will be finished in tile and equipped with showers. Plans provide for furnace heat, a hot water circulating system and vacuum cleaning. There will be several open fire places and tile or brick mantels. Exterior of the house will be covered with cement plaster on metal lath. Plans are complete and in the hands of the owner who is taking subfigures on the work.

RESIDENCE — 2 story and base, frame, \$3,500. Oakland, Cal. Architect, Hiram King Lovell, 781 Brooklyn avenue, Oakland. Owner, H. M. Walker, Monadnock Bldg., S. F. The dwelling will be erected on Arimo avenue east of Walla Vista, and has been designed to contain six rooms and bath. Interior will be finished in pine and redwood. Hardwood floors will be used in the living and dining rooms and reception hall. There will be furnace heat and open fire places. Mantels will be of tile or brick. Tile floors and wainscot will be used in the bath rooms. An automatic water heater will be installed. Exterior of the house will be covered with rustic and cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor. Materials are now being purchased.

RESIDENCE — 2 story and base, frame, \$20,000. Oakland, Cal. Architects, Schirmer-Bugbee Co., Dalziel Bldg., Oakland. Owner's name withheld. The dwelling will be erected in Rockridge Park and has been designed to contain twelve rooms, three baths and sleeping porch. A separate garage will be erected on the property. Interior of the dwelling will be finished in pine, redwood, hardwood and white enamel. Hardwood floors will be used in the principal rooms. Plans provide for a central heating system, a hot water circulating system, open fire places and vacuum cleaning. Bath rooms will have tile wainscot and floors. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are now being prepared.

RESIDENCE—1½ Story and base, frame, \$3,500. Berkeley, Alameda Co., Cal. Architect, H. P. Smith, Blake Bldg., Oakland. Owner, P. O. Boyd. The dwelling has been designed for a six-room house with bath and sleeping porch, and will be erected in Boyd Court. Interior finish will be of pine and redwood. Hardwood floors will be used in the living room, dining room and reception hall. There will be open fire places. Mantels will be of tile. Tile wainscot will be used in the bath room. An automatic water heater will be installed. Exterior of the house

will be covered with cement plaster on metal lath. Plans are now being prepared.

APARTMENT HOUSE ALTERATION —Frame construction, \$3,000. Oakland, Cal. Architect, none. Owner, C. M. MacGregor, 470 13th street, Oakland. The present three-story flat building on the west side of Fallon street, 125 feet north of 9th, will be altered into a modern apartment house. Included in the work will be new interior partitions, plumbing, painting, electric work, plastering and interior finish. No exterior alteration is contemplated. Plans are complete and in the hands of the owner who will do the work by Day Labor.

FLATS—2 story and base, frame, \$6,000. Berkeley, Alameda Co., Cal. Architect, none. Owner, Olaf Johnson, 1811 Rose street, Berkeley. The building will be erected at the northwest corner of Rose and Josephine streets, and has been designed to contain sixteen rooms, which will be arranged in four and six room flats. Interior finish will be of pine, redwood and elm. Some hardwood floors will be used. There will be open fire places and tile mantels. Bath rooms will have tile wainscot and composition floors. A hot water circulating system will be installed. Exterior of the building will be covered with cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor. Materials are now being purchased.

FACTORY—1 story and base, reinforced concrete. Cost not stated. Oakland, Cal. Architect, Edward McManus, Herberts' Hotel, S. F. Owners, Marchant Calculating Machine Co., Syndicate Bldg., Oakland. This, the first unit of a large plant, which has been designed in three units, will be erected on Stanford avenue and will cover a ground area of 300 by 40 feet. There will be a cement floor. Interior finish will be of pine. Metal window sash and frames are specified. Exterior of the building will be faced with cement plaster. Bids are now being taken on this unit by R. H. Marchant, Sundicate Bldg., Oakland. Further mention will be made of the other units as bids are called.

Building Contracts Awarded.

Oakland.

No.	Owner	Contractor	Amt.
120	Cox	Cox	1950
121	Struzzibinnetti ..	Hurlbut	1700
122	Abrahamson	Kulchar	840
123	Coleman	Griffin	400
124	Landucci	Hagert	400
125	Jordan	Jordan	1400
126	Burger	Burger	2500
127	MacGregor	MacGregor	2500
129	Parker	Cederborg	619
134	Woodburn	Woodburn	3000
135	McCracken	McCracken	4000
136	Mason	Mason	5000
137	Hamilton	Hamilton	2000
141	Wingate	Sheridan	1000
142	Walker	Walker	3500
143	Dann	Foss	4160
144	Chiesa	Passerino	1000
150	MacGregor	MacGregor	3000
151	Duncan	Burnett	650
152	Winter	Hansen	500
153	Kulchar	Kulchar	1000

DWELLING

(120) S DAMUTH 300 E Fruitvale Ave
Oakland. One-story 5-room dwelling
Owner.....Cox & Nichols, 1719 Castro
Oakland.

Architect...None.

Day's work.

COST, \$1950

DWELLING

(121) SW NINETIETH AVE AND Holly, Oakland. One-story 5-room dwelling.

Owner.....F. Stuzzibinnetti, 6027 California, San Francisco.
Architect...None.
Contractor...C. B. Hurlburt, 9818 "B," Oakland. COST, \$1700

ALTERATIONS

(122) SE THIRTEENTH AND CLAY, Oakland. Alter brick building.

Owner.....Jules and Hugh Abrahamson, 13th and Washington, Oakland.
Architect...C. W. Dickey, Central Bk. Bldg., Oakland.
Contractor...S. Kulchar & Co., 518 4th, Oakland.

Filed Jan. 25, '15. Dated Jan. 18, '15.
Completed and accepted..... 75%
Usual 35 days..... 25%
TOTAL COST, \$840
Bond, none. Limit, Feb. 1, 1915. Forfeited, none. Plans and specifications filed.

ALTERATIONS

(123) SE SEVENTH AND WEST, Oakland. Alterations.

Owner.....T. Coleman, 648 West, Okd.
Architect...None.
Contractor...C. M. Griffin, 746 5th Ave., Oakland. COST, \$400

ALTERATIONS

(124) NO. 1747 SEVENTH, Oakland. Alterations.

Owner.....Arturo Landucci, Prem.
Architect...None.
Contractor...Hagert & Cordano, 1759 8th, Oakland. COST, \$400

DWELLING

(125) NO. 10836 HORTENSE AVE., Oakland. One-story 4-room dwelling.

Owner.....Mae Jordan, Premises.
Architect...None.
Day's work. COST, \$1400

DWELLING

(126) N CLIFTON 150 W College Ave., Oakland. One-story 5-room dwelling

Owner.....Frank W. Burger, 858 52d, Oakland.
Architect...None.
Day's work. COST, \$2500

ALTERATIONS

(127) W FALLON 75 N Ninth, Oakland. Alter flats into apartments.

Owner.....C. M. MacGregor, 470 13th, Oakland.
Architect...None.
Day's work. COST, \$2500

RETAINING WALL, ETC.

(129) NE COR. WELLINGTON AND Peach Ave., Oakland. All work for concrete retaining walls, sidewalks, extension tile drain and 2 cement steps.

Owner.....Mrs. E. M. F. Parker and Miss W. McFarland, 579 23rd, Oakland.

Architect...Chas. W. McCall, Central Bank Bldg., Oakland.
Contractor...Cederborg & Anderson, 1033 Poplar, Oakland.

Filed Jan. 26, '15. Dated Jan. 21, '15.
Completed and accepted.....\$350
60 days after 269

TOTAL COST, \$619
Bond, none. Limit, 30 days. Forfeited, plans and specifications, none.

DWELLING

(134) E GREENWOOD AVE 520 S Brighton Ave., Oakland. One-story 7-room dwelling.

Owner.....Paul E. Woodburn, 3965 Greenwood Ave., Oakland.
Architect...None.
Day's work. COST, \$3000

DWELLING

(135) S LAKE SHORE AVE 450 E Walla Vista, Oakland. Two-story 9-room dwelling.

Owner.....Dr. W. L. McCracken, 1327 Broadway, Oakland.
Architect...None.
Day's work. COST, \$4800

DWELLING

(136) N. OCEAN VIEW DRIVE 100 W The Crossroads, Oakland. Two-story 11-room dwelling.

Owner.....Wm. C. Mason, 1561 Marin Ave., Berkeley.
Architect...None.
Day's work. COST, \$5000

DWELLING

(137) E FIFTH AVE 135 S E-22nd, Oakland. Two-story 5-room dwlg.

Owner.....W. S. Hamilton, 68 Garland Ave., Oakland.
Architect...None.
Day's work. COST, \$2000

DWELLING

(141) E SIXTY-FOURTH AVE opp. Virginia, Oakland. One-story four-room dwelling.

Owner.....W. W. Wingate, 1020 Broadway, Oakland.
Architect...None.
Contractor...K. M. Sheridan, 1020 Broadway, Oakland. COST, \$1000

DWELLING

(142) N ARIMO AVE 680 E Walla Vista, Oakland. Two-story 6-room dwelling.

Owner.....H. M. Walker, Monadnock Bldg., San Francisco.
Architect...Hiram King Lovell, 781 Brooklyn Ave., Oakland.
Day's work. COST, \$2500

FRAME FLATS

(143) NW PIEDMONT AVE 140 SW John SW 40xNW 125, Oakland. All work for two-story 10-room frame flats.

Owner.....Mary A. Dann by Mrs. A. A. Miller, Attorney-in-fact.
Architect...None.
Contractor...C. C. Foss, 1242 1st Ave., Oakland.

Filed Jan. 28, '15. Dated Jan. 23, '15.
Frame enclosed ¼
Plates on ¼
Completed and accepted..... ¼
Usual 35 days..... ¼

TOTAL COST, \$4160
Bond, \$2000. Surety, American Surety Co. Limit, 90 days after Jan. 25. Forfeited, none. Plans and specifications filed.

FRAME DWELLING

(144) PORTLAND AVE 25 from Steinae Ave., Albany. All work for one-story and basement frame dwlg.

Owner.....Angelo Chiesa, S. F.
Architect...None.
Contractor...Giovanni Passerino, 518 Green, San Francisco.

Filed Jan. 28, '15. Dated Jan. 25, '15.
Frame up and roof on.....\$200
Plaster on 300

Completed and accepted..... 400
TOTAL COST, \$1000
Bond, none. Limit, 60 days. Forfeited, none. Plans and specifications filed.

ALTERATIONS

(150) W FALLON 125 N Ninth, Oakland. Alter flats into apartments.
Owner.....C. M. MacGregor, 470 13th, Oakland.

Architect...None.
Day's work. COST, \$3000

ADDITION

(151) NO. 915 MYRTLE, Oakland. Addition.

Owner.....Margaret Duncan, Prem.
Architect...None.
Contractor...F. L. Burnett, 745 Alleen, Oakland. COST, \$650

ALTERATIONS

(152) NO. 3336 E-TENTH, Oakland. Alterations.

Owner.....Mrs. Georgine Winter, 2358 Peralta Ave., Oakland.
Architect...None.
Contractor...R. Hansen, 2266 E-19th, Oakland. COST, \$500

FACTORY

(153) SW TENTH AVE & E-EIGHTH, Oakland. Two-story factory.

Owner.....S. Kulchar, 518 4th, Okd.
Architect...None.
Day's work. COST, \$1000

Building Contracts Awarded.

Berkeley.

No.	Owner	Contractor	Amt.
118	Bernhard	Bernhard	500
119	Ross	Estey	960
128	Johnson	Johnson	2000
145	Dutra	Button	4318
146	Erikson	Swanson	4426
147	Anzart	Anzart	500
148	Estrange	Aalto	722
149	Johanson	Johanson	6000

DWELLING

(118) NO. 2010 Virginia, Berkeley. One story 4-room dwelling.

Owner.....Mrs. S. T. Bernhard, Prem.
Architect...None.
Contractor...A. E. Kennedy, Premises. COST, \$500

ADDITION

(119) W MCGEE AVE 252 S Bancroft Way, Berkeley. Addition.

Owner.....Miss Mary Ross, 2217 Dwight Way, Berkeley.
Architect...None.
Contractor...G. F. Estey, 1815 Hearst Ave., Berkeley. COST, \$960

DWELLING

(128) N ADDISON 300 E. San Pablo Ave., Berkeley. One and one-half-story 7-room dwelling.

Owner.....M. Johnson, Addison opp. Byron, Berkeley.
Architect...None.
Day's work. COST, \$2000

FRAME DWELLING

(145) W SPRUCE 150 S Cedar being Lots 4 and 3 Blk 3 Kellogg Tract, Berkeley. All work except heating for two-story frame dwelling.

Owner.....Frank Dutra.
Architect...James W. Plachek, Acheson Bldg., Berkeley.
Contractor...Frank Button, 1625 Shattuck Ave., Berkeley.

Filed Jan. 28, '15. Dated Jan. 19, '15.
 Frame up\$863.60
 Plumbing and electric work rough-
 ed in 863.60
 Plastered 863.60
 Completed and accepted..... 863.60
 Usual 35 days..... 863.60
 TOTAL COST, \$4318.00
 Bond, \$2160. Surety, American Surety
 Co. Limit, 80 days. Forfeit, \$5. Plans
 and specifications filed.

FRAME DWELLING
 (146) LOT 16 BLK 30 Amended Map
 Fairmont, Berkeley. All work for
 two-story frame dwelling.
 Owner.....Mrs. Agnes Erikson, 1104
 Fell, San Francisco.
 Architect...None.
 Contractor..Oscar Swanson, S. F.
 Filed Jan. 28, '15. Dated Jan. 27, '15.
 Frame up ¼
 Brown coated ¼
 Completed and accepted..... ¼
 Usual 35 days..... ¼
 TOTAL COST, \$4426
 Bond, none. Limit, 75 days. Forfeit,
 none. Plans and specifications filed.

ADDITION
 (147) NO. 1913 BANCROFT WAY, Ber-
 keley. Addition.
 Owner.....M. Anzart, Premises.
 Architect...None.
 Day's work. COST, \$500

ADDITION
 (148) NO. 1336 SAN PABLO AVE., Ber-
 keley. Addition.
 Owner.....Julia L. Estrange, Prem.
 Architect...None.
 Contractor..E. J. Aalto, 1531 Califor-
 nia, Berkeley.
 COST, \$722

FLATS
 (149) NW ROSE AND JOSEPHINE,
 Berkeley. Two-story 16-room flats.
 Owner.....Gustaf Johanson, 1811 Rose
 Berkeley.
 Architect...None.
 Day's work. COST, \$6000

Building Contracts Awarded

Alameda.

No.	Owner	Contractor	Amt.
130	Riechel	Lynch	1600
131	Adams	Adams	1200
132	Zunine	MacKay	900
133	Elks	Clark	1000
138	Robins	Williams	500
139	La Jennesse	Owner	400
140	Boyce	Lundholm	475

DWELLING
 (130) — CLEMENT AVE., Alameda.
 One-story 8-room dwelling.
 Owner.....Olaf Riechel, 2501 Clement
 Ave., Alameda.
 Architect...None.
 Contractor..W. Lynch, 60th & Grove,
 Oakland.
 COST, \$1600

DWELLING
 (131) — CLEMENT AVE., Alameda.
 One-story 5-room dwelling.
 Owner.....C. C. Adams, 3200 Fern-
 side Blvd., Alameda.
 Architect...None.
 Day's work. COST, \$1200

DWELLING
 (132) — FELINORE, Alameda. One-
 story 5-room dwelling.
 Owner.....L. Zunine, 2611 Calhoun,
 Alameda.
 Architect...None.

Contractor..John MacKay, 2611 Cal-
 houn, Alameda.
 COST, \$900
 ADDITION
 (133) SANTA CLARA near Oak, Ala-
 meda. Addition.
 Owner.....B. P. O. Elks No. 1015, Prem
 Architect...None.
 Contractor..R. P. Clark, 2214½ Santa
 Clara Ave., Alameda.
 COST, \$1000

ADDITION
 (138) NO. 1437 BENTON, Alameda.
 Addition.
 Owner.....M. H. Robins Jr., Premises.
 Architect...None.
 Contractor..J. W. Williams, San Le-
 andro.
 COST, \$500
 RABBITRY
 (139) NO. 1566 LINCOLN AVE., Ala-
 meda. Rabbitry.
 Owner.....J. A. La Jennesse, Premises
 Architect...None.
 Contractor..H. V. La Jennesse, Prem.
 COST, \$400

REPAIRS
 (140) NO. 1290 WEBSTER, Alameda.
 Repairs.
 Owner.....W. H. Boyce, Coalinga.
 Architect...None.
 Contractor..Jno. M. Lundholm, 1717
 Wood, Alameda.
 COST, \$475

COMPLETION NOTICES.

ALAMEDA COUNTY

Jan. 21, 1915—LOT 1 BLK 18 Clare-
 mont Park, Bkly. E A Nickerson
 to W Sorensen.....Jan. 20, 1915
 Jan. 21, 1915—LOTS 7 AND 8 Blake
 Tract No. 3, Bkly. Frank M Wil-
 son and John Muldoon to The Ber-
 keley Cornice Works...Dec. 29, 1914
 Jan. 21, 1915—LOT 1 BLK 18 Clare-
 mont Park, Bkly. E A Nickerson
 to D Zelinsky.....Jan. 20, 1915
 Jan. 22, 1915—LOTS 2, 3 and N 8 Lot
 4 Blk 37 Map Pty L M Beaudry
 and G Peladeau, Emeryville. Axel
 Johnson to John Bernhardt and C
 J Anderson.....Jan. 17, 1915
 Jan. 23, 1914—N FOURTEENTH 100
 W Clay N 103.70xW 50, Okd. Nellie
 E Blood, Jessie L Appleton, Alliance
 Land Co through Agt. P J Walker
 Co to J Gensler (Elec Constr Co)
 Jan. 18, 1915; Otis Elevator Co, Jan
 14, 1915; Carl T Doell, Jan. 16, 1915;
 George Dixon, Jan. 14, 1925; Mon-
 arch Iron Works.....Jan. 14, 1915
 Jan. 23, 1915—LOT 14 BLK 4 Map
 Berkeley Heights, Bkly. Margaret
 Little Waller to L S Lewis.....
Jan. 22, 1915
 Jan. 23, 1915—SE TWENTY-FIFTH
 and Grove S 60xE 90, Okd. St.
 George Hall Ass'n to T R Catton...
Jan. 21, 1915
 Jan. 25, 1915—NE JOHN 95 NW Howe
 NW 30xNE 115, Okd. Mrs Bertha
 Bauer to H Malley.....Jan. 21, 1915
 Jan. 26, 1915—LOTS 36 AND 38 Wa-
 dean Tract, Okd. James B Dean &
 G E Wade to G B Hollenbeck.....
Jan. 26, 1915
 Jan. 26, 1915—LOTS 7 AND 8 Blake
 Tract No. 3, Bkly. Frank M Wil-
 son and John Muldoon to Electric
 Constr Co.....Jan. 21, 1915
 Jan. 26, 1915—N 22-6 LOT 56 and S
 15 Lot 55 Blk "H" Map Broadway

Terrace, Okd. H Goranson to
 whom it may concern..Jan. 26, 1915
 Jan. 27, 1915—LOT 16 BL 17 Map
 North Cragmont, Oakland Tp.
 Sarah Scott Jones to Gustaf Johan-
 son.....Jan. 25, 1915
 Jan. 28, 1915—LOT 7 BLK 14 Map
 San Pablo Park, Bkly. H J Schmitz
 to whom it may concern..Dec. 22, 1914

LIENS FILED.

ALAMEDA COUNTY.

Jan. 11, 1915—NE TAYLOR AVE &
 Caroline E 53-9xN 122.24, Alameda
 Frank Vigno Co vs Clara T Hess-
 man and — Mitchell.....\$130
 Jan. 11, 1915—E NORTHSIDE AVE
 281 N Hopkins, Bkly. Frank K
 Cann vs C A & Honora Doyle..\$11.58
 Jan. 9, 1915—LOT 20 BLK "C" Map
 Oakland Highlands, Okd. John A
 Johnson vs Cyril A Legris and J A
 Pilliod\$62
 Jan. 12, 1915—E CAROLINE 36 N
 Taylor Ave N 30xE 53-9, Alameda.
 Frank Vignolo vs Clara T Hessman
 and — Mitchell\$130
 Jan. 12, 1915—LOT 20 BLK "C" Map
 Oakland Highlands, Okd. O B
 Lawrence vs Cyril A Legris and
 J A Pilliod.....\$55
 Jan. 13, 1915—SE LAUREL AVE 50
 SW Kansas SW 50xSE 125, Okd.
 E L Blackman Co vs John Iverson
 and E M Williamson.....\$239.10
 Jan. 13, 1915—LOT 22 Map Ridge-
 wood, Okd. A Dagleish vs Ferdin-
 and Erpf and H H Weider...\$54.50
 Jan. 18, 1915—LOT 20 BLK "C" Map
 Oakland Highlands, Okd. Panama
 Lumber & Mill Co vs Cyril A Legris
 and J A Pilliod\$332.78
 Jan. 19, 1915—S CENTRAL AVE 100
 W Palm W 145xS 300, Ala. E K
 Wood Lumber Co vs Alameda
 Venice & Swimming Baths. F N
 Dodd, Wm R Geary, A P Johnson
 and Harold Everhard.....\$843.17
 Jan. 20, 1915—LOT 8 BLK "E" Map
 Berkeley Hmd, Bkly. F W Foss
 Co vs H F J Sattin, Kate and L W
 Forester & Annie Forester Barron
\$380.58
 Jan. 21, 1915—SW BUENA VISTA
 Ave and Hibbart W 35xS 100, Ala.
 Herman H Bergfeld vs T B Henry
\$75
 Jan. 22, 1915—LOT 4 BLK 9 Map
 Claremont, Bkly. Bay City Bldg
 Co vs J C and Helena Catherine
 Bowman\$5256
 Jan. 23, 1915—LOT 43 Map 4th Ave
 Court, Okd. Powell Bros Constr Co
 vs K M Sheridan and D H Viers
\$189.60
 Jan. 23, 1915—LOT 12 BLK 14 Map
 Town of Livermore, Livermore,
 Pacific Mfg Co vs Court Livermore,
 No. 77, Foresters of America and
 C H Rasmussen.....\$2434.30
 Jan. 25, 1915—LOT 24 BLK 6 Map
 Melrose Heights, Okd. Joseph
 Boeddeker vs Torrence S Peterson,
 Gordon J Wiser, Pearl Wiser, F H
 Lowell and Julia M Hershiser....\$12
 Jan. 25, 1915—SW E-TWENTIETH
 112.05 NW 16th Ave NW 40xSW 80,
 Okd. Rhodes Jamieson Co vs B T
 Evans\$212.30
 Jan. 27, 1915—LOT 22 Ridgewood
 Tract, Oakland. L V Gelder vs
 Ferdinand Erpf and H H Weider..
\$71.95
 Jan. 27, 1915—LOTS 5 AND 6 BLK 37
 Map Town of Livermore, Liver-
 more. Pacific Mfg Co vs J O Mc-

Known\$289.75
 Jan. 29, 1915—LOT 22 Map Ridge-
 wood, Okd. John P Maxwell vs
 Ferdinand Erpf and H H Weider
\$132.16
 Jan. 29, 1915—LOT 162 Map Piedmont
 by-the-Lake, Okd. Hogan Lumber
 Co vs Irving Michelson and John
 A Brunje.....\$594.72

RELEASE OF LIENS

ALAMEDA COUNTY.

Jan. 26, 1915—LOT 2 BLK "C" Map
 Elmcree, Okd. Reliance Mill &
 Lumber Co to Fay J Corum...\$400.60
 Jan. 26, 1915—LOT 5 BLK 29 Map
 Melrose Heights, Okd. William
 Le Baron to E A C Postel.....\$200

SAN JOSE AND THE SANTA CLARA VALLEY.

APARTMENT HOUSE—3 story and
 base, frame, \$18,000. San Mateo, San
 Mateo Co., Cal. Architect, G. B. Hol-
 lenbeck, Thomson Bldg., Oakland.
 Owner's name withheld. The building
 will contain six suites of three rooms,
 two suites of four rooms and four
 suites of two rooms. Interiors will be
 finished in pine and redwood with some
 hardwood floors. Plans provide for
 steam heat and a hot water supply.
 All apartments will have wall beds and
 private bath rooms. Tile wainscot and
 composition floors will be used in the
 bath rooms. Marble and tile wainscot
 will be used in the lobby. Exterior of
 the building will be covered with ce-
 ment plaster on metal lath. Plans are
 complete and the work will be done by
 Day Labor under the direction of the
 architect.

HARBOR IMPROVEMENT—Cost not
 stated. Redwood City, San Mateo Co.,
 Cal. Engineer, Picto, Redwood City.
 Owners, Redwood City. Engineer Pic-
 to, who is in charge of the harbor
 work at Redwood City, has prepared
 plans for additional work, which in-
 cludes dredging and the construction
 of considerable retaining wall. Bids
 will be called for as soon as the en-
 gineer's plans are approved by the
 City Trustees.

BUILDING CONTRACTS

SANTA CLARA COUNTY.

CEMENT WORK, ETC.

MOUNTAIN VIEW SCHOOL LOT,
 Mountain View. Cement nature, gate
 entrance, flower boxes, styles, Per-
 golas, curbing, etc.
 Owner.....Mountain View School
 District.
 Architect...A. P. Hill, Elks' Bldg.,
 San Jose.
 Contractor..Gott & Dewar.
 Filed Jan. 22, '15. Dated Dec. 26, '14.
 Rough curbing in..... ¼
 Brick piers and columns in..... ¼
 When completed ¼
 Usual 35 days..... ¼
 TOTAL COST, \$1103

Bond, \$551.50. Sureties, J. W. Gott and
 Wm. Dewar. Limit, 40 days. Forfeit,
 none. Plans and specifications filed.

APARTMENTS

SW SECOND AND WILLIAM STS.,
 San Jose. Apartments.
 Owner.....F. G. Bralle.

Architect...Chas. McKenzie, 1st Na-
 tional Bk Bldg., San Jose
 Contractor..J. E. Perkins, SE E-Santa
 Clara and 34th, San Jose.
 COST, \$4735

COTTAGE

SW SEVENTEENTH, AND ST. JOHN,
 San Jose. Six-room cottage.
 Owner.....H. V. Perkins.
 Architect...None.
 Contractor..S. G. Pelton, 445 S-Third,
 San Jose. COST, \$1800

DWELLING

VIRGINIA, bet. Vine and State, San
 Jose. Six-room dwelling.
 Owner.....O. Landuchi.
 Architect...None.
 Contractor..John Grotti, 233 W-St.
 James St., San Jose.
 COST, \$1500

ADDITIONS AND ALTERATIONS

N-FIFTH ST., near St. John, San Jose.
 Addition and alterations.
 Owner.....Home of Truth Church,
 Premises.
 Architect...None.
 Contractor..R. O. Summers, 17 N-1st
 St., San Jose.
 COST, \$1233

COTTAGE

N FRANKLYN near 24th St., San Jose.
 Four-room cottage.
 Owner.....N. Scorsur.
 Architect...None.
 Contractor..C. T. Van Patten.
 COST, \$750

FILLING STATION

SW ELEVENTH AND SANTA CLARA,
 San Jose. Filling station.
 Owner.....Shell Oil Co., 343 Sansome
 St., San Francisco.
 Architect...None.
 Day's work. COST, \$600

ALTERATIONS

NO. 251 S-FIRST ST., San Jose. Alter
 front.
 Owner.....L. Lenzen, 110 S-Second St.
 San Jose.
 Architect...L. Lenzen, 114 S-Second St.
 San Jose.
 Contractor..J. H. Miller, 1041 S-2nd
 St., San Jose.
 COST, \$400

FRAME DWELLING

COR. MILLER AND ASHBURY STS.,
 San Jose. All work for one-story
 frame dwelling.
 Owner.....S. P. Jones, 23 Asbury,
 San Jose.
 Architect...None.
 Contractor..C. A. Thomas, 692 N-San
 Pedro St., San Jose.
 Filed Jan. 20, '15. Dated Jan. 20, '15.
 Frame up\$462.50
 When plastered 462.50
 When completed 462.50
 Usual 35 days..... 462.50
 TOTAL COST, \$1850.00
 Bond, limit, forfeit, none. Plans and
 specifications filed.

BUILDING CONTRACTS

SAN MATEO COUNTY.

CONCRETE AND BRICK GARAGE

LOTS NO. 1 AND 2 BLK 26 Third Ad-
 dition to San Bruno Park. Cleaning
 lot, excavation, grading and concrete

work for one-story concrete and
 brick garage.
 Owner.....August J. Jenevein, San
 Bruno.
 Architect...Fay R. Spangler, 223 Mo-
 nadnock Bldg., S. F.
 Contractor..A. Mattson, San Bruno.
 Filed Jan. 25, '15. Dated Jan. 22, '15.
 Walls and foundation completed 75%
 When completed(of rest of work) 75%
 Usual 35 days..... 25%
 TOTAL COST, \$1384

Bond, \$692. Surety, Maryland Casualty
 Co. Limit, 80 days. Forfeit, none.
 Plans and specifications filed.
 GLAZING RESIDENCE
 "CAROLANDE," Hillsboro. All work
 for glazing residence.
 Owner.....Harriett Pullman Carolan,
 Hillsboro.
 Architect...Willis Polk & Co., Hobart
 Bldg., San Francisco.
 Contractor..W. P. Fuller & Co., Beale
 and Mission, San Francisco
 Filed Jan. 22, '15. Dated Jan. 11, '15.
 As work progresses..... 75%
 Usual 35 days..... 25%
 TOTAL COST, \$2200
 Bond, \$1100. Sureties, E. E. Simmons
 and H. H. Somers. Limit, April 1, 1915.
 Forfeit, none. Specifications only filed.

COMPLETION NOTICES.

SANTA CLARA COUNTY.

RECORDED ACCEPTED
 Jan. 4, 1915—NR COR. WAVERLY
 and Forest Ave., Palo Alto. Palo
 Alto Presbyterian Church to T W
 Fox.....Jan. 15, 1915
 Jan. 11, 1915—LOT 92 Binder Sub,
 San Jose. L M Leddy to E L Slaght
Dec. 3, 1914
 Jan. 12, 1915—KEESLING'S CHERRY
 Court. G L Keesling to McKay
 & Spahn.....Dec. 15, 1914
 Jan. 13, 1915—SUNNYVALE SCHOOL
 Lot, Sunnyvale. Sunnyvale School
 Trustees to V E Parish..Jan. 5, 1915
 Jan. 14, 1915—NE LOCUST AND SAN
 Fernando, San Jose. F Chiappe
 to Butter & Schirle....Jan. 12, 1915
 Jan. 15, 1915—PALO ALTO FARM,
 Stanford University. Stanford
 Woman's Club to Monson Bros....
Jan. 9, 1915
 Jan. 16, 1915—PALO ALTO FARM,
 Stanford University. Stanford
 Union to Monson Bros....Jan. 9, 1915
 Jan. 18, 1915—LOT 46 Walsh Re-
 sbdvn Tract, San Jose. C A Parlier
 to whom it may concern..Jan. 15, 1915

LIENS FILED.

SANTA CLARA COUNTY.

RECORDED AMOUNT
 Jan. 19, 1915—LOT 5 BLK 1 of Ellen
 Short Sub, Los Gatos. H Hooper
 vs Mrs S I Cummings.....\$41.50

SAN MATEO COUNTY.

RECORDED AMOUNT
 Jan. 23, 1915—LOT 12 BLK 17, City of
 South San Francisco. A A Pudsey
 vs Henry Scampini and Edward
 Jorgensen\$34

CESSATION OF LABOR.

SANTA CLARA COUNTY.

Jan. 21, 1915—COR. ELEVENTH &
 Santa Clara, San Jose. C Colombet

with J E Peterson. Ceased Dec. 28, '14
Jan. 21, 1915—COR. ELEVENTH &
Santa Clara, San Jose. C Colombet
with N L Hanner. Work ceased
.....Dec. 28, 1914

MARIN, CONTRA COSTA AND SONOMA COUNTIES.

MUNICIPAL WHARF—Timber pile construction. Cost not stated. Richmond, Contra Costa Co., Cal. Engineers, Haviland & Tibbetts, Alaska-Commercial Bldg., S. F. Owners, City of Richmond. Revised plans for the construction of Municipal Wharf No. 1 have been completed and are now out for figures. The revisions do not affect the length or width of the structure as it was at first contemplated, but include the following substitutions: Timber for sheet piling, asphalt macadam for wood block paving, simpler cornice work, cluster for single piling and a rock fill behind the bulkhead. Bids will be opened on February 15th at 8 p. m. Plans and specifications can be secured from the engineers.

SEWER WORK—Cost not stated. Richmond, Contra Costa Co., Cal. Engineer, City Engineer Chapman, Richmond. Owners, City of Richmond. City Engineer Chapman's plans for the new sewers in the Meeker and Herman additions have been adopted by the City Council. Plans and specifications were also adopted for the sewer in the Bay View Tract district. Bids for this work will be advertised at an early date.

BUNGALOWS—6, 1 story and base, frame, \$1,500 each. Martinez, Contra Costa Co., Cal. Architect, Charles C. Frye, 20 Montgomery street, S. F. Owner's name withheld. These dwellings will be erected on a new tract to be developed, and each will contain five rooms and bath. Interiors will be finished in pine and redwood. There will be an open fire place in each living room. Mantel will be of brick. Exteriors will be covered with cement plaster and half timber. Plans are complete and figures will be called for shortly. Bids will be taken by both the architect and owner.

Contracts Awarded.

STREET PAVING—Asphalt, \$19,309.33. Richmond, Contra Costa Co., Cal. Engineer, City Engineer Chapman, Richmond. Owners, City of Richmond. Contractor George W. Cushing, Richmond. Contract price, \$19,309.33.

RESIDENCE ALTERATIONS—\$5,000. Redwood City, San Mateo Co., Cal. Architect Houghton Sawyer, Shreve Bldg., S. F. Owner, E. S. Heller. Contractors, Currie & Currie, 1215 3rd avenue, S. F. Contract price, \$5,000.

BUILDING CONTRACTS

CONTRA COSTA COUNTY.

BARREL AGITATOR
PROPERTY OF SHELL CO. in or near Town of Martinez, formerly known as Cutler & Frazer Tracts of land. All work for furnishing and erecting 1000 barrel agitator, complete. Owner.....Shell Co. of California. 343 Sansome, S. F. Architect...None.
Contractor...Petroleum Iron Works Co. Filed Jan. 20, '15. Dated Jan. 16, '15.

Arrival of all material on ground 50%
Completed and accepted..... 25%
Usual 35 days..... 25%
TOTAL COST, \$2450

Bond, \$1225. Surety, Fidelity & Deposit Co. of Maryland. Limit, 2 days from date and finish April 21, 1915. Forfeit, none. Plans and specifications filed.

COMPLETION NOTICES

MARIN COUNTY.

RECORDED **ACCEPTED**
Jan. 25, 1915—San Anselmo, Marin Co.
Robert A Carey to J Warner.....
.....Jan. 23, 1915

FRESNO, MODESTO, STANISLAUS AND CENTRAL CALIFORNIA

BRIDGES — Timber construction. Cost not stated. Wasco, Kern Co., Cal. Engineer, County Surveyor, Bakersfield. Owners, Kern County. Plans for constructing a number of pile and timber bridges and for grading about three miles along the Wasco-Lost Hills road have been completed. Plans are now out for figures and bids will be opened on February 8th. Plans and specifications can be secured from the office of the County Surveyor, Bakersfield.

BRIDGE—Reinforced concrete. Cost not stated. Famosa, Kern Co., Cal. Engineer, County Surveyor, Bakersfield. Owners, Kern County. Plans are complete for the construction of a reinforced concrete bridge over Poso Creek at Famosa. The bridge will be 110 feet long with four spans. Plans can be secured from the County Surveyor's office. Bids will be opened on February 10th.

ROAD CONSTRUCTION — Cost not stated. Visalia, Tulare Co., Cal. Engineer, County Surveyor, Visalia. Owners, Tulare County. Plans are complete for constructing a road between Power House No. 1, of the Mount Whitney Power and Electric Co., and the intersection of the said road with County Road No. 981. Bids will be opened on February 12th. Plans and specifications can be secured from the County Surveyor at Visalia.

SACRAMENTO, STOCKTON AND NORTHERN CALIFORNIA.

APARTMENT HOUSE AND STORES —2 story and base, brick, \$25,000. Chico, Butte Co., Cal. Architect, none. Owner, F. W. Miller, Chico. The building will be erected at the corner of Third and Salem streets and will cover a large ground area. The entire first floor will be given over to stores. Upper floor will be arranged for a number of two and three room suites with wall beds and private baths. Interior will be finished in pine and redwood. There will be steam heat and a hot water supply. Bath rooms will have tile wainscot and composition floors. Patent store fronts are specified. Exterior of the building will be faced with pressed brick. Plans are complete and figures will be taken by the owner.

PARISH HOUSE—2*story and base, frame, \$10,000. Stockton, San Joaquin Co., Cal. Architect, John J. Foley, 46 Kearny street, S. F. Owners, St. Ger-

trude's Parish. The dwelling has been designed for a ten-room house with two baths and a large hall in the basement. Interior finish will be of pine and redwood. Hardwood floors will be used in the living room, dining room, library and reception hall. Plans provide for furnace heat and open fire places. Mantels will be of tile and brick. An automatic water heater will be installed. Bath rooms will be finished in tile. Exterior of the house will be covered with cement plaster on metal lath. Plans are complete and figures are being taken.

RESIDENCES—1 and 2 story, frame. Cost not stated. Sacramento, Cal. Architect, none. The following Day Labor jobs are reported as about to begin in Sacramento: J. J. Jennings, 2022 30th street, 2 story, 6-room dwelling, \$2,500; J. W. Jones, 21st street and Hillcrest, 1 story, 6-room bungalow, \$2,600 and Olaf J. Johnson, 2915 V street, 1 story, 6-room dwelling, \$2,500. Plans for these buildings are in the hands of the owners who will do the work by Day Labor. Materials are now being purchased.

CHURCH—2 story and base, brick and frame, \$25,000. Stockton, San Joaquin Co., Cal. Architect, John J. Foley, 46 Kearny street, S. F. Owners, St. Gertrude's Parish. The building has been designed in the classic style and will contain besides the main auditorium, Sunday school rooms and a large hall. Interior will be finished in pine and ornamental plaster. Plans provide for a central heating system. Considerable marble, tile and art glass will be used. Exterior of the building will be faced with pressed brick veneer. Plans are complete and figures are being taken.

LODGE HALL AND STORES — 3 story and base, reinforced concrete, \$37,000. Auburn, Placer Co., Cal. Architect, A. D. Fellows, Auburn. Owners, Auburn Masonic Hall Association. The building has been designed for stores on the first floor and lodge rooms and offices on the upper two floors. Interior will be finished in pine and hardwood with maple floors in the lodge rooms. There will be steam heat and vacuum cleaning. Some tile and ornamental plaster will be used. Patent store fronts are specified. Exterior of the building will be faced with cement plaster. Plans are being prepared and figures will be called for shortly.

ELECTRIC RAILROAD EXTENSION—Cost not stated. Eureka, Humboldt Co., Cal. Engineer's name not given. Owners, Hill-Guggenheim. President D. W. Hanson, of the Eureka Development Association, has given out a statement that the Hill-Guggenheim interests have determined to make Eureka the terminal of a railroad that will connect with the Hill transcontinental line at Klamath Falls, Ore. The proposed line will be electrically operated, the power being furnished by the Langford project at Ishi Pishi Falls on the Klamath, and another plant to be established at Klamath Falls. The road will be constructed down the Klamath River to Requa, entering Humboldt County by way of Trinidad. Surveyors are in the field along the Klamath.

FIRE HOUSE—1 story, frame. Cost not stated. Sacramento, Cal. Architect's name not given. Owners, City

of Sacramento. Plans have been completed for a one-story frame fire house to be erected in Oak Park District. The building will house two pieces of apparatus. Interior will be finished in pine and redwood. A cement floor will be used. Exterior of the building will be covered with cement plaster on metal lath. Bids will be opened on February 4th. Plans can be secured from the City Clerk's office.

LIBRARY—1 story, brick, \$10,000. Willits, Mendocino Co., Cal. Architect, Tobias Bearwald, Merchants' National Bank Bldg., S. F. Owners, Town of Willits. Architect Tobias Bearwald is completing working drawings for the Willits Library and plans will be out for figures in about three weeks. The building will be one story and basement brick structure faced with pressed brick. There will be furnace heat and redwood interior finish. An estimated cost of \$10,000 is placed on the building.

Contracts Awarded.

HOSPITAL—2 story and base, reinforced concrete, \$100,000. Stockton, San Joaquin Co., Cal. Architect, Walter King, Elks' Bldg., Stockton. Owners, St. Joseph's Home. Contractor, James Mulcahy, Stockton. Contract price, \$100,000.

BUILDING CONTRACTS

SACRAMENTO COUNTY.

PUMP AND TANK

NO. 1001 L ST., on S ½ Lot 8, K, L, 10th and 11th Sts., Sacramento. Erect pump and tanks at service station. Owner.....Standard Oil Co., 2100 Bush, San Francisco. Architect...None. Day's work. COST, \$600

STEEL FRAME SERVICE STATION

NO. 1001 L ST., on S ½ of Lot 8, K, L, 10th and 11th Sts., Sacramento. Steel frame service station. Owner.....Standard Oil Co., 2100 Bush, San Francisco. Architect...None. Day's work. COST, \$500

REMODEL STORE FRONT

NO. 303 J ST., on W ½ of S ½ of Lot 8, I, J, 3rd and 4th Sts., Sacramento. Remodel store front. Owner.....Fratt Estate, 1511 P St., Sacramento. Architect...None. Contractor...Chas. A. Vanina, 2022 M St., Sacramento. COST, \$450

STEEL SHED

UPPER STOCKTON ROAD on 49th Ave Tract, Sacramento. Steel shed. Owner.....Standard Oil Co., 2100 San Francisco. Architect...None. Day's work. COST, \$450

RESIDENCE

NO. 244 E ST., on E ½ Lot 2, E, F, 24th and 25th Sts., Sacramento. Erect residence of interlocked tile and concrete. Owner.....P. E. Heringer, 608 10th St., Sacramento. Architect...None. Contractor...J. E. Mortensen, Rio Vista. COST, \$4500

GARAGE ON ABOVE

Contractor...J. E. Mortensen, Rio Vista. COST, \$250

FRAME DWELLING

NO. 3105 TWENTY-FIRST ST., Lot 2 West Curtis Oaks, Sacramento. All work for one-story six-room frame dwelling. Owner.....J. W. Jones, 21st and Hillcrest, Sacramento. Architect...None. Day's work. COST, \$2600

DWELLING

N ½ OF E LOT 4, O, P, 30th and 31st Sts., Sacramento. Two-story six-room dwelling. Owner.....J. J. Jennings, 2022 30th St., Sacramento. Architect...None. Day's work. COST, \$2500

DWELLING

NO. 2915 V ST., on E ½ Lot 7, U, V, 29th and 30th Sts., Sacramento. One story six-room frame dwelling. Owner.....Olaf J. Johnson, Prem. Architect...None. Day's work. COST, \$2500

REPAIRS

NO. 1231 FRONT ST., on Lot 5, L, M, 1st and 2nd Sts., Sacramento. Place sample bath rooms, shelving and general repairs on store building. Owner.....Crane Co., Premises. Architect...None. Contractor...Barton & Hite, 1006 ½ 9th St., Sacramento. COST, \$1500

ADDITION

NO. 1522 TWENTY-FOURTH ST., Sacramento. One-story brick addition to laundry, galvanized iron roof and wood roof trusses. Owner.....P. Knudsen, 1720 C St., Sacramento. Architect...None. Contractor...P. J. O'Brien, 1522 24th St., Sacramento. COST, \$400

RESIDENCE

NO. 1600 SIERRA AVE, on Lots 555 and 556 W. & K. Sbdvn 19, Sacramento. Two-story 14-room interlocking terra cotta tile residence. Owner.....David S. Wasserman, 2131 M St., Sacramento. Architect...None. Contractor...Edward Hook, 718 18th St., Sacramento. COST, \$29,775

ALTERATIONS

NO. 316 ALLEY, bet. K and L Sts., on portion Lots 6 and 7 Blk K, L, 3rd and 4th Sts., Sacramento. Alter brick stables. Owner.....John L. White and Jas. H. Donnelly. Architect...None. Contractor...Barton & Hite, 1006 ½ 9th St., Sacramento. COST, \$2585

REPAIRS

NO. 2023 ALACE AVE., Lot 11 Blk 4, Boxler Tract, Sacramento. Repair fire damage to residence. Owner.....J. C. Carly Co., J St., bet. 8th & 9th Sts., Sacramento. Architect...None. Contractor...Frank P. Williams, 523 Ochsner Bldg., Sacramento. COST, \$300

RESIDENCE

SW COR. SIERRA AVE AND P ST., 100x160, Sacramento. Two-story residence.

Owner.....David S. Wasserman, 612-18 K St., Sacramento. Architect...None. Contractor...G. Edw. Hook, 718 18th St., Sacramento. Filed Jan. 21, '15. Dated Jan. 19, '15. COST, \$27,775

RESIDENCE

NO. 1727 V ST., on E ½ of Lot 6, U, V, 17th and 18th Sts., Sacramento. Five room residence. Owner.....Joe Pauline. Architect...None. Contractor...M. A. Frates, 1728 S St., Sacramento. COST, \$1700

RESIDENCE

NO. 2224 D ST., on W ½ of N ½ Lot 4, D, E, 22nd and 23rd Sts., Sacramento. Five-room frame residence. Owner.....C. O. De Grand, 2315 O St., Sacramento. Architect...None. Contractor...Sacramento Home Bldrs., 522 Forum Bldg., Sacramento. COST, \$1500

ADDITION

NO. 714 TENTH ST., on S ½ Lot 4, G, H, 9th and 10th Sts., Sacramento. Two-story frame addition to tenement house. Owner.....J. B. Rogers, Premises. Architect...None. Contractor...H. F. Hendricks, 1125 E St., Sacramento. COST, \$900

REPAIRS

NO. 1910 EIGHTEENTH, on N 30 feet of S 60 feet of Lot 4, S, T, 17th and 18th Sts., Sacramento. New foundation and general repairs on residence. Owner.....E. P. Gascoigne, 1025 8th St., Sacramento. Architect...None. Contractor...George Jacobs, 812 ½ J St., Sacramento. COST, \$800

ALTERATIONS AND REPAIRS

NO. 1000 N ST. on N ½ Lot 1, N, O, 10th and 11th Sts., Sacramento. Repair rear steps and put in new plumbing fixtures in residence. Owner.....Dr. G. C. Simmons, Prem. Architect...None. Day's work. COST, \$400

FRAME STORE

COR. STANFORD AND CORNELIA Aves on Lot 60, H J Goethe's Add'n., Sacramento. One-story frame store. Owner.....S. H. Phillips and W. T. Foster, 2901 35th St., Sacramento. Architect...None. Contractor...F. W. Phillips, 4109 Cypress Ave., Sacramento. COST, \$400

ALTERATIONS

100.15 ACRE TRACT owned by Geo. A. Meister on Smith's Garden Road, Sacramento. Make concrete floors and place machinery in milk station house. Owner.....Albert Meister, 315 16th St., Sacramento. Architect...None. Contractor...G. W. McKay, 1018 T St., Sacramento. COST, \$300

MOVE AND ALTER

NO. 2418 TWENTY-FIFTH ST., on Lot 344 W and K Add'n No. 16 in Blk X,

E. H. Williams Chalmers Munday

Munday & Williams
Attorneys-at-Law

Special Attention Given to Building
Law and Bankruptcy Cases

Telephone Sutter 4622

615 Phelan Building, San Francisco

Owner.....D. Kjar, 1713 O St., Sacramento.
Architect...None.
Day's work. COST, \$300

REPAIRS
NO. 225 J ST. and premises adjoining
E side, Sacramento. Repair premises
Owner.....Chas. Colquhoun and G. O.
Hayford, 828 14th St., Sacramento.
Architect...None.
Contractor...Barton & Hite, 902 L St.,
Sacramento.
COST, \$639

COMPLETION NOTICES SACRAMENTO COUNTY.

RECORDED ACCEPTED
(Correction in Location)
Jan. 23, 1915—S ¼ LOTS 1 AND 2,
T. U, 21st and 22d Sts., Sacramento.
Wallace A Briggs to The Merrill
Clark Bldg & Constr Co. Jan. 20, 1915
RECORDED ACCEPTED
Jan. 23, 1915—NO LOCATION GIVEN
Wallace A Briggs to The Merrill
Clark Bldg & Constr Co. Jan. 20, 1915

COMPLETION NOTICES SAN JOAQUIN COUNTY.

RECORDED ACCEPTED
Jan. 14, 1915—NW MAIN & SUTTER,
Stockton. Commercial & Savings
Bank to A P Brady.....Jan. 12, 1915
Jan. 25, 1915—JACKSON ST., bet.
Sutter and San Joaquin Sts., Stock-
ton. Stockton School District to
The Pacific Blower & Heating Co
.....Jan. 15, 1915

Wybro

Reg. U. S. Pat. Office
The Panels that are
as good as they are
famous.

White Brothers
5th and Brannan Streets San Francisco

**All Panels look alike until
you use WYBRO**

To the average man all veneered
panels look alike until he experiences
some trouble or other with them.
To the particular contractor or
Builder WYBRO PANELS appeal as
being the only trouble proof panels
made.
WYBRO PANELS have unsurpassed
qualities which make them stand out
ahead of all others. TRY THEM.

LIENS FILED.

SACRAMENTO COUNTY.

RECORDED AMOUNT
Jan. 25, 1915—LOT 3 BLK 5 of Vina
Vista Tract, Sacramento. E J
Brickell vs J W Sturdivant.....\$80

RELEASE OF LIENS.

SACRAMENTO COUNTY.

RECORDED AMOUNT
Jan. 21, 1915—N 44 FEET OF LOT 5
and 44 feet Lot 6, V, W, 9th & 10th
Sts., Sacramento. C & Krebs & Co
to G J Schmahl et al.....\$24.94

LOS ANGELES AND SOUTHERN CALIFORNIA.

RESIDENCE — 2 story and base,
frame. Cost not stated. Patton, San
Bernardino Co., Cal. Architect, State
Architect, George B. McDougall, Sacra-
mento. Owners, State of California.
Plans are complete and figures are now
being taken for the construction of a
new residence for the Superintendent
of the Southern California Hospital at
Patton. The dwelling will contain
seven rooms, baths and sleeping
porches. Interior will be finished in
pine and redwood. Hardwood floors
will be used in the principal rooms.
There will be open fire places and tile
mantels. Bath rooms will have tile
wainscot and floors. An automatic
water heater will be installed. Exter-
ior of the dwelling will be covered

with cement plaster on metal lath.
Plans can be secured from the State
Department of Engineering at Sacra-
mento. Bids will be opened on March
1st. An official proposal appears in
another column of this issue.

RESIDENCE — 2 story and base,
frame and stone veneer, \$50,000. Bev-
erley Hills, Los Angeles Co., Cal. Ar-
chitects, Hunt & Burns, Laughlin Bldg.,
L. A. Owner, Henry D. Lombard, Bev-
erley. The dwelling has been de-
signed to contain fourteen rooms, sev-
eral baths and sleeping porches. A
separate garage will be erected on the
property. Interior of the dwelling will
be finished in pine, redwood, hard-
woods and white enamel. Hardwood
floors will be used throughout. Bath
rooms will be finished in tile and
equipped with showers. Plans provide
for steam heat, a hot water circulating
system and vacuum cleaning. Open
fire places and tile and brick mantels
will be used. Exterior of the house
will be covered with veneer cut stone
and cement plaster. Plans are com-
plete and the work will be done by
Day Labor. Concrete foundation is
now being put in.

WAREHOUSE—1 story, reinforced
concrete, \$15,000. Los Angeles, Cal. Ar-
chitect, Houghton Sawyer, Shreve
Bldg., S. F. Owners, General Chemical
Co. The building will cover an area
of 80 by 180 feet, and will be of fire-
proof construction with reinforced
concrete floor, walls and roof slabs.
Metal window sash and frames and
steel rolling doors are specified. In-
terior will be finished in pine. Exter-
ior of the building will be faced with

Williamson's Continuous Clothes Line Outfit

Clothes Line Problem Solved At Last

DOUBLE your line space, use all the line. No empty
top line, keeps the clothes free from the soiled line,
making it Sanitary. Take clothes off any part of line
without removing the wet clothes.

CONSTRUCTION: The pulleys are made of cast
iron galvanized; so constructed as to allow the patent
clothes pine to pass through carrying the clothes
around the pulleys, thereby using both lines.

BY using three pulleys, the lines are spread apart
as shown in the picture and allows you to put clothes
on or take them off the line without hanging out of
the window side-ways. The clothes pin is made of
heavy galvanized wire formed in such a manner as
to allow it to be fastened to the clothes line very
easily; nothing complicated to get out of order.
Holds the clothes free from the line so the lines need
not be covered with cloth-strips in order to keep the
clothes from being soiled from the line. The strong-
est wind cannot blow the clothes out of the pins as
they are held in a spring slot. When the wind blows
it pulls the clothes deeper into the slot holding them
tighter.

NO SPRINGS TO PRESS OR SQUEEZE
to get the clothes in or out. Just slip clothes in slot
and pull down. WILL hold the daintiest fabrics or
the heaviest blanket. 1340 Mission St. Phone Mkt. 4008.

THIS OUTFIT CONSISTS OF 3 DOZEN
Sanitary, Stronghold, Clothes Pins, 3 Continuous
Clothes Line Pulleys and 1 Pair Line Splicers.
Price, \$2.00 per Set.

cement plaster. Plans are complete and figures are being taken.

COMMISSARY AND CAR SHED—2 story, brick and steel. Cost not stated. Los Angeles, Cal. Engineer, G. W. Harris, Kerchoff Bldg., L. A. Owners, Santa Fe Railroad Co. The building will be erected in the Seventeenth street yards and will cover a considerable ground area. A special feature of the building will be a concrete refrigerating room with cork insulation. Interior finish will be of pine. Plans call for modern plumbing and electric work. Exterior of the building will be faced with pressed brick. Plans are complete and figures are being taken.

SCHOOL—1 story and base, brick, \$25,000. Los Angeles, Cal. Architect, A. T. Large, 406 Currier Bldg., L. A. Owners, City of Los Angeles. The building will be erected on Micheltoarena street, and has been designed to contain four class rooms and a large auditorium. Interior will be finished in pine with maple floors in the class rooms. There will be a central heating system, modern school plumbing and composition blackboards. Exterior of the building will be faced with pressed brick. Plans are now being prepared.

PORTLAND AND OREGON

BRIDGES—3, reinforced concrete. Cost not stated. Portland, Ore. Engineer, State Highway Commissioner H. L. Bowlby, Portland. Owners, Multnomah County. Plans and specifications have been completed and bids are now being received by the Multnomah County Commissioners, W. L. Lightner, chairman, for the construction of three reinforced concrete bridges on the Columbia Highway between Warrendale and Bonneville. The date set for the opening of the proposals is 10 a. m. February 17. Plans for the structures were prepared under the supervision of H. L. Bowlby, State Highway Engineer, are to span Pierce, Moffott and Tanner Creeks in the eastern end of the county. The first named will be a girder bridge, 65 feet high with 9 spans of 40 feet each, making the structure a total length of 360 feet; the Moffott bridge will be a single arch structure 75 feet high and the other will be 60 feet in length.

RESERVOIR—Reinforced concrete, \$30,000. Eugene, Ore. Engineers, Engineering Department Water Board, Eugene. Owners, City of Eugene. Bids will be called for immediately for the construction of Eugene's 2,500,000 gallon reservoir, according to B. B. Kinney, a member of the Water Board. At present the Water Board engineers are at work on the final plans and specifications for the construction of this reservoir to cost approximately \$30,000. It is planned to have construction commence at the earliest possible date in the spring.

SEATTLE AND WASHINGTON

STREET PAVING—\$37,000. Seattle, Wash. Engineer, City Engineer, Seattle. Owners, City of Seattle. Plans for the paving of Valley street to cost \$37,000 have been completed and presented for approval. On approval bids will be called for on the work.

GRADING AND FILLING—\$90,000. Seattle, Wash. Engineer, City Engineer Dimock, Seattle. Owners, City of

Seattle. City Engineer Dimock has completed and presented plans to the officials for the grading and filling of Alki avenue. The work is estimated to cost \$90,000.

ROAD CONSTRUCTION—\$80,000. Seattle, Wash. Engineer, County Surveyor A. P. Denton, Seattle. Owners, Kings County. Plans have been completed by County Engineer A. P. Denton and filed with Kings County Commissioners for the construction of the Mercer Island road, proposed in the plans for bond road No. 15. The Commissioners have set 2 p. m. February 8th as the time to open bids. The entire road around Mercer Island will cost \$80,000.

SEA WALL AND PAVING, SEWERS, ETC.—\$120,000. Seattle, Wash. Engineer, City Engineer A. H. Dimock, Seattle. Owners, City of Seattle. Plans have been completed by City Engineer A. H. Dimock for constructing a sea wall along Railroad avenue, between Madison street and Washington, and for paving that thoroughfare at a total cost of \$120,000. The specifications which were presented to the Board of Works call for the following: Earthwork, 16,000 cubic yards, 1,090 feet feet granite curb, 5,250 square yards of brick block paving, 1,469 feet of 8, 12, 15, and 24 inch sewer; 1,400 square yards concrete walks; 4,700 cubic yards concrete wall; 8,500 pounds of reinforcing steel for walk slabs; 850 cubic yards riprap; 45,000 feet bark piling and 600 feet creosoted piling.

PASSENGER DEPOT—2 story and base, reinforced concrete. Cost not stated. Salt Lake City, Utah. Architects, Hunt & Burns, Laughlin Bldg., L. A. Owners, San Pedro, Salt Lake and Los Angeles R. R. Co., Pacific Electric Bldg., L. A. Construction will be handled through the Chief Engineer's office, Arthur Maguire, 539 Pacific Electric Bldg., L. A. Construction will not be started for some time. Further details will be given of this building when bids are called.

Contracts Awarded.

STATE HIGHWAY CONSTRUCTION—\$48,674.40. Yuba City, Sutter Co., Cal. Engineer, State Highway Commission, Forum Bldg., Sacramento. Owners, State of California. Contractors, Forest City Paving and Construction Co., San Francisco. Contract price, \$48,674.40.

WATER STATION—Frame and concrete. Cost not stated. Dinuba, Tulare Co., Cal. Engineer, City Engineer, Dinuba. Owners, City of Dinuba. Contractor, Oscar Parlier, Tulare. Contract price not stated.

LODGE BUILDING—4 story and base, reinforced concrete, \$100,000. Tacoma, Wash. Architect, C. Frere Champney, Henry Bldg., Seattle. Owners, Elks' Hall Association, Tacoma. Contractors, Cornell Bros., Savage-Schofield Bldg., Tacoma. Contract price, \$100,000.

CHINESE SCHOOL OF CONSERVANCY ENGINEERING.

[American Minister Paul S. Reinsch, Peking, Oct. 28.]

The President of China on October 9 issued a decree authorizing the establishment of a school to teach conservancy methods, and setting aside for this purpose a part of the revenue obtained from the Provinces of Chihli, Shantung, Chekiang and Kiangsu.

At the request of Mr. Chang Chien, Minister of Agriculture and Commerce, the legation communicated with Prof. D. W. Mead, the educational member of the Engineers' Commission of the Hwai River Conservancy, with a view to having him suggest some young engineer familiar with conservancy problems and methods who would take charge of this school.

As the object of the proposed institution is practical and important, and, moreover, closely related to the Hwai River Conservancy enterprise, in which the people of the United States have taken an interest, it is suggested that an opportunity is afforded to some of the American institutions that study educational needs to do real service to practical education and the betterment of living conditions in China by supplementing the funds supplied by the Chinese Government and thereby enabling the school to do effective work.

*The proposed school is of special interest in connection with the \$20,000,000 reclamation project in the Hwai Valley under the auspices of the American Red Cross.

BIDS WANTED.

TULARE, Tulare Co., Cal.—Bids are now being taken for repairing, re-constructing, ditching and grading the public highway numbered 1143 and known as the Lemon Cove-Three Rivers Road in the Third Supervisorial District of the County of Tulare. Separate bids will be received for the work of repairing, re-constructing, ditching and grading each of sections 1, 3, 4, 5 and 6 of the same road according to specifications on file in the office of the Board of Supervisors. Bids for this work will close on February 3rd at 2 P. M.

CONSTRUCTION WORK ABROAD

CHINA.

[Consul Albert W. Pontius, Newchwang, Nov. 23, 1914.]

Government Aid for Liao Conservancy Project.

A short time ago Gov. Chang Chinwu, of Mukden, reported to the Central Government of China that the Liao River conservancy project had for its chief aim the improvement of this important waterway, that the cost involved was estimated at \$600,000, and that it was advisable that the work be started at this time of the year, when advantage could be taken of the shallow depth. Owing to a lack of funds the Mukden authorities were compelled to apply to the Central Government for financial assistance to carry on the work.

The Central Government in considering the matter was also of opinion that work on the conservancy project should begin at once. Existing financial difficulties prevent the Central Government from advancing the entire amount, and it has been decided that one-half of the amount will be supplied by Peking, to be delivered in three monthly installments of \$100,000 each, beginning with November, 1914. The remaining half is to be raised locally by the Mukden officials. It now seems certain that work on this long-delayed project will soon be an assured fact. The financial assistance reported rendered by the Central Government will prove a boon to the provincial authorities.

(Another important conservancy project under way in China is the improvement of the Hwai River. Closely related to this undertaking is the new Chinese school of conservancy engineering.)

COLOMBIA.

[Consul Isaac A. Manning, Barranquilla, Dec. 24, 1914.]

Construction of Barrancabermeja and Carrare Railways.

The year 1914 witnessed the passage of several laws relating to railway construction in Colombia. Law 43 authorized the building of a line from the port of Barrancabermeja on the Magdalena River via El Tablazo on the Sogamosa River, paralleling the latter to the Suarez River, thence along its banks to the city of Chiquinquirá, and also the construction of the branch from Tablazo to Bucaramanga. When the condition of the treasury permits, this work is to be undertaken either administratively or by contract, but in no case is the construction of the lines mentioned to be granted as a concession or privilege.

The same law also provides that the Carrare Railway shall be built from Tunja across the Provinces of Centro, Occidente, or Riquarte in the Department of Boyacá, and Velez in the Department of Santander, terminating on the Magdalena River. To facilitate the building of this road each Department may construct that portion of the line within its borders, or may contract with one or several persons or companies for the construction. If one Department should complete the part within its territory and the other have built less than 5 kilometers (3 miles), the former may continue the work of construction through the latter Department. They will receive a subvention of \$15,000 per kilometer, or \$25,000 per mile, for the line constructed, as was granted to the Department of Antioquia for the construction of railway to Urabá.

The Government also concedes the Departments 240 acres of land per Kilometer (0.62 mile) of line completed; this includes proposed branches to Chiquinquirá and Moniquirá. It is understood that concessions are not to be granted for the construction of these roads. If work is not started by the Departments within two years from the promulgation of the law the lines shall be built by the Government from funds available in the treasury. As soon as financial conditions permit the National Government will begin the construction of a road from a point on the line from Bogotá to Tunja to connect this with the one mentioned above. All these lines shall be 1-meter (3.28-foot) gauge, with a maximum grade of 3 per cent.

Railways to Caqueta and Puerto Wilches.

Law No. 30 provides that, in conformance with law No. 129 of 1913, and under the same conditions (this law referring to and providing for the completion of the Pacific Railway), the Government will commence preliminary surveys for a railway from Girardot or Espinal, on the Magdalena River, where the road leaves the river for Bogotá, to connect the capital of the Republic with the territory of the Caqueta via Neiva. When that portion from Girardot or Espinal to Neiva is completed the Government will at once begin the preliminary surveys for a

line to connect this point with the southern part of Tolima and the valley of the Cauca, where it shall connect with the railway of the Pacific.

Law No. 92 authorizes the Government to arrive at a settlement of the long-pending question with the London bondholders of the Puerto Wilches Railway, to declare terminated the contract and concession, and then to complete the railway to Bucaramanga, which work is to be directed by the department of Santander under the general supervision of the National Government.

CALIFORNIA HAS MANY LOFTY MOUNTAINS.

There are sixty or more lofty mountains in California rising more than 13,000 feet above sea level which are not considered sufficiently noteworthy among all the surrounding wealth of mountain scenery to have even received names, according to the United States Geological Survey. Any one of these mountain peaks, if situated in the eastern part of the United States, would of course be visited by millions of people. But California has 70 additional mountain peaks more than 13,000 feet high which have been named, or 130 in all, as well as a dozen rising above 14,000 feet.

RAILROAD TERMINAL.

THE DALLES, Ore.—Construction on the proposed terminals to be constructed for the O. W. R. & N. Company at The Dalles and Pendleton, Oregon, will start early this spring, according to a statement made by the road engineering department of the company. The buildings to be erected at The Dalles will include a modern fireproof roundhouse to accommodate thirty engines, a coaling station with a 150-ton capacity and several one-story structures costing \$140,000. J. P. O'Brien is the general manager of the company.

BOND ELECTION CALLED.

NICOLAUS, Sutter Co., Cal.—Saturday, January 30th, has been fixed as the date for the bond election called by the Trustees of Reclamation District No. 1001 for the purpose of issuing bonds in the sum of \$500,000. The proceeds of the sale of the bonds will be used in completing the big drainage and reclamation works of the district. The officers in charge of the election are: Robert Shields, G. A. Wessing and Chas. C. Girder.

ST. PAUL'S DEPOT.

ST. PAUL, Minnesota.—Plans for the new union depot, proposed for St. Paul, to be erected at an estimate cost of from \$15,000,000 to \$20,000,000, have been prepared by a committee of engineers headed by Ralph Budd, Assistant President of the Great Northern Railway. The proposed station will be used by nine railroads. It is planned to start construction next spring and four years will be required to complete the building.

TRADE SITUATION IN JAPAN.

[Consul General George H. Seidmore, Yokohama.]

The European war has completely closed Japan's commerce with Germany, suspended almost all trade with Switzerland and Belgium, and caused

serious delays in communication with France and England. In the trade with China no marked change is felt. All transportation by water has suffered, but it is predicted that this condition will be speedily remedied.

[Consul Carl F. Deichman, Nagasaki.] Import and Export Markets at Nagasaki.

In view of the present war situation in Europe the markets of the consular district may be supplied from the United States with drugs and chemicals, wood pulp, malt, wines, iron and steel (especially rods, bars, tubes, sheets, and plates for further use in manufacturing), rope, and electrical supplies, such as machinery, with spare parts and appliances. The exports from this consular district for which a market is desired and for which an outlet might be found in the United States are coal, cement and porcelains, of which coal only has been exported to the United States in any appreciable quantity.

The principal articles of export from this consular district are coal, cement, cotton wadding, yarns and textiles, fish, fruit and vegetables, graphite, Japanese paper, porcelains, sandals and clogs, railway ties, and small timber, refined sugar, sulphuric acid, vegetable wax, willow and woodenware, ironware, implements, tools and machines. Except coal, graphite, and vegetable wax, practically all these exports are destined for the mainland of Asia, and the exporters of this district are expecting large increases in the demands.

PAVING BIDS OPENED.

RICHMOND, Contra Costa Co., Cal.—Bids have been opened by the City Council of Richmond for improving 20th street from Southern Pacific Ave. to the Santa Fe right-of-way. The following firms submitted bids on the work: L. L. Page, S. C. Rogers, Raven & Co., F. H. Higgins, C. W. McMaster, Galbraith & Janes, John Ward, J. P. Dooling and T. C. Dooling. Bids were opened at the same meeting for paving of two blocks of Montgomery avenue. All bids on both jobs were referred to the City Engineer for report.

MILL TAILINGS FOR ROADS.

In Missouri a considerable amount of road material is obtained from the tailings of the concentrating mills at the zinc mines. This material, which is put on the market as "chats," consists of small angular fragments of chert and limestone. The zinc companies are very glad to get rid of this waste material, which is loaded on the cars by the railroads of the district at a cost of about 6 or 8 cents a ton. It makes more than ordinarily good roads and is widely distributed all through the middle west. It sells in most places at prices ranging from 50 cents to \$1 a ton, but in the neighborhood of the mines it can be had for about 15 cents a ton. It is used for road ballast as well as road making. The annual output, according to the United States geological survey, amounts to about 1,300,000 tons.

In Tennessee and Alabama a quantity of chert is used for road metal, and in many states crushed slag from blast furnaces also furnishes a valua-



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ble road material. In Alabama one of the large iron-producing states, over 2,000,000 short tons of furnace slag, the average value of which was about 25 cents a ton, was crushed and put on the roads last year. Crushed slag is also used as railroad ballast and for concrete and roofing material.

NEW HANDBOOK ON ROOFING, BUILDING PAPER AND WATER-PROOFING.

The Paraffine Paint Co., 34 First St., have just issued a very interesting and instructive hand book on Roofing, Building Paper and Waterproofing, which should be in the library of every Architect, Engineer and Builder. It is free for the asking.

Being a loose leaf hand book it is easy to keep up-to-date.

MINERAL EXHIBIT.

The California State Mining Bureau will exhibit at the Panama-Pacific International Exposition. About four hundred square feet of floor space in the Mines and Metallurgy Building will be devoted to case exhibits of California's mineral products. Fletcher McN. Hamilton, State Mineralogist, will detail from his staff a competent mining engineer whose duty it will be to furnish information to visitors as to the extent and value of our mineral resources.

The Bureau would gladly have taken a more extensive part in the Exposition, but the funds were not available, owing to the fact that during the past two years it has been necessary to send engineers over the entire State to gather data for the preparation of a new General Report upon the mines and mineral resources of the State.

The State Mining Bureau with its magnificent collection of minerals and the library and statistical department regularly maintained in the Ferry Building, will doubtless serve a good purpose in conjunction with its headquarters to be established at the Exposition Grounds.

All mineral producers wishing to exhibit are invited to communicate with the State Mineralogist, Ferry Building, San Francisco.

St. Louis has opened a new \$1,000,000 Washington University group of medical buildings.

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Co.

Art Ceilings.

Berger Mfg. Co.

Art Glass.

Grosslicht & Din-
niene

Pioneer Plate &
Window Glass
Co.

Schwarz & Gott-
lieb

Artistic Plaster

Decorations.

Benkman, Ed. G.
Binzer Theodore

Larson, O. F.
Lipp & Co., I. P.
Co.

Asbestos Materials

Johns - Manville
Co., H. W.

Magnesia Asbes-
tos Supply Co.

Western Asbestos
Magnesia Co.

Western Builders'
Supply Co.

Asphalt & Bitu- minous Paving.

Nugent, Robinson

Attorneys.

Aitken & Aitken
Perkins, Geo. R.

Auto Delivery.

Federal Transfer
& Dray Co.

Peerless Motor
Dray Co.

Star Con. Co.

Automobile Supplies.

Burgers, Fred W.

Knowles, T. C.

Boilers.

Peerless Agencies
Company.

Boiler & Pipe Cov- ering.

Johns - Manville
Co., H. W.

Lewis, W. S.
Magnesia Asbestos
Supply Co.

Western Asbestos
Magnesia Co.

Bonds & Insurance

Agency Company
Aetna Life Ins. Co

Brown, Carl G.
Costello & Cutler

Gustaf, Samuel
Guyett & Co., R.
G.

Hayburn, Jas. C.
Illinois Surety Co.

Hughes, Chas. T.
Kohlberg, A. M.

Lloyd & Spengler
MacMeans, H. V.

Meherin & Son,
Mark M.

Pacific Coast Cas-
ualty Co.

Schnee, Gustave
Schweinhart, G.
W.

Webster Co., Per-
cy V.

Brick Contractors

Anderson & Rai-
ney

Alexander, Robt

Beagle, S. A.
Buckley, Jos.
Collin, Jean
Drake, H. L.
Finnila, M. A.
Gilbertsen, L.
Hogberg & Lud-
wig
John, F. A.
Koldenstrodt, F.
Mealey & Collins
Reed & White
Tingberg, John
Whitney & Davies

Brick Dealers.

Bay Develop. Co.
Cal. Brick Co.

Cal. Pottery Co.
Carnegie Brick &
Pottery Co.

City Supply Co.
Clark & Sons, N.

Diamond Brick Co
Tile Co.

Gladding - Mc-
Bean Co.

McNear Brick
Agency

Steiger Terra Cot-
ta & Pottery Wks

United Materials
Co.

Western Develop-
ment Syndicate

Western Lime &
Cement Co.

Builders Instruments.

Keuffel & Esser Co.

Building Journals

Building and In-
dustrial News.

Daily Pacific
Builder

Building Materials

Alsen's Portland
Cement Co.

Baker & Hamil-
ton

Bay Develop. Co.
Berger Mfg. Co.

Cal. Brick Co.
Cal. Bldg. Mate-
rial Co.

Cal. Pottery Co.,
Inc.

City Supply Co.
Carnegie Brick &
and Company.

Cowell Lime and
Cement Co., H.

Diamond Brick Co
Dwan Co., J. E.

Falls Mfg. Co.
Fuller & Co., W.P.

Gladding - Mc-
Bean Co.

Gross Co., Felix
Guerin & Co., J. S.

Holloway Exp.
Metal Lath Co.

Holmes Distrib-
uting Co.

Johns - Manville
Co., H. W.

Jorgensen & Co., C
Kinnear Mfg. Co.

Lennon Co., J. E.
Levy, Robt. S.

Mapes, Sanford N.
Meyer, Adolph

Pac. Bldg. Mate-
rials Co.

Pac. Portland Ce-
ment Co.

Paraffine Paint Co
Parrott & Co.

Roman Co., C.
Ryan, George

S. F. Lime Co.
Shannon, M. T.

Simon-Fout Brick
Co.

Standard Portland
Cement Co.

Steiger Terra Cot-
ta & Pot'y Wks

Stoner, O. W.
Waterhouse &
Price Co.

Western Asbestos
Magnesia Co.

Western Builders'
Supply Co.

Western Develop-
ment Syndicate.

Western Lime &
Cement Co.

Whittier - Coburn
Co.

Woods & Hud-
dard

Card File Co. Architects' Card File Co.

Cement Dealers.

Alsen's Portland
Cement Co.

City Supply Co.
Cowell Lime &
Cement Co.

Dwan & Co., J. E.
Guerin & Co., J. S.

Lennon Co., J. E.
Lilley & Thurston
Co.

Meyer, Adolph
Pacific Portland
Cement Co.

Standard Portland
Cement Co.

Waterhouse &
Price Co.

Western Lime &
Cement Co.

Chimneys, Patent

Clawson Co., L. E.

Dresser - McDon-
nell Co.

Hughes, H. J.

Clay Products.

Cal Brick Co.

Cold Storage Insu- lation

Van Fleet, M. V.

Concrete Contrac- tors.

American Con-
crete Co.

Amorsen Co. A & T
Barrett & Hilp

Bluxome & Co.
Camp & Carrillon

Chase, S. A.
Crescent Concrete
Co.

Daniel & Schott
Dillon, H.

Edminster Bros.
Foster Co., W.

Gnecco, M. H.
Hansen & John-
son.

Haun, C. C. W.
Hurley, P.

Leonard, J. P.
McCabe & Brown

McClenahan &
Co., T. W.

Miller, Louis
Mission Concrete

& Mosaic Wks.
Moroncelli, John

Nilson & Arras
New Era Marble

& Concrete Co.
Nugent, Robinson

Rasmussen, A.
Riboni, Henry

Schlusser, Max
Schmidt & Son, J.

Sundberg, A.
Spargo, John

Thomas & Sands
Westerlund, J. V.

Zimmerman, L. M.
Concrete Machy.

Bacon & Co., E. R.
Road Machy. Co

Lansing Co.
Livermore Co.,
Norman B.

Contractors' Equipment.

Bacon & Co., E. R.
Blaisdell Mchy.
Co.

Compressed Air &
Gen. Mchy. Co.

Lansing Co.
Mapes, Sanford N.

Orenstein - Ar-
thur Koppel Co.

Cornice Works.

Amsler Sheet
Metal Works

Appman Cornice
Works.

Atlas Heating &
Ventilating Co.

Capitol Sheet
Metal Works

Conlin & Roberts.
Crown Cornice
Works

Cronan, Wm.

Elite Sheet Metal
Works
Guilford Cor. Wks.
Comyns & Nygren
Forderer Cornice
Works

G. & M. Sheet
Metal Works.

Hibernia Sheet
Metal Works

Morser, E. J.
Peterson, P. O.
Pridde, Arthur
Walker, J. M.
Church

Floors, Composition.

Artolith Mfg. Co.
Bender R.&P. Co.,
J. W.
Dwan Co., J. E.
Fibrestone &
Roofing Co.
Flaherty R. & P.
Co., R. H.
Malott & Peterson

Floors, Hardwood

Hardwood Int. Co.
Inlaid Floor Co.
Pac. Floor Sand-
ing Co.

Galvanized Iron.

Baker & Hamilton
Berger Mfg. Co.
Gas Fixture.
Day Co., Thomas

Gas Heating Sys- tems.

Reactor System
Gas Heating Co

Gasoline Tanks & Pumps.

Brown, F. R.
Blaisdell Mch. Co.

Glass & Glazing.

Cal. Plate & Win-
dow Glass Co.
Friedman Bros.
Fuller Co., W. P.
Grosslicht & Din-
niene
Habenicht &
Howlett
Mission Plate &
Window Glass
Co.
Pioneer Plate &
Window Glass Co.
Schwars & Gott-
lieb

Grading.

Branick, J. P.
Carlin Bros.
Cassaretto, John
Devincenzi & Co.,
L.
Dillon Teaming
Co.
Federal Transfer
Co.
Giorgi Co., G.
Hartnett J. D.
Harbor View
Contract Co.
Hule Co., E. M.
Lennon Co., J. E.
Lettler, Fred
McGlincy &
Monahan
Montague Co., P.
O'Day Co., Dan'l
O'Donnell, Philip
Powers, Chas. J.
Shiley Grading &
Teaming Co.
Star Con. Co.
Wright Co., J. H.

Granite Curbing.

Graham Granite
Co.
Lead Granite Co.,
W.
Pacific Granite Co.
Tronoff, John

Gravel.

Bay Devel. Co.
Cal. Building Ma-
terial Co.
Cassaretto, John
City Supply Co.
Standard Crushed
Rock Co.
Star Contracting
Company.
Stone Co., E. B. &
A. L.

Hardwood Deal- ers.

Inlaid Floor Co.
Hardwood Inter-
ior Co.
Union Floor Co.

Wood Lumber Co., E. K.

Hd'ware, Dealers.

Baker & Hamil-
ton
Bennett Bros.
Kruse, J. H.
Joost Bros.
Meyer, Adolph
Norman & Sons,
F. G.
Palace Hd'ware Co.
S. F. Hd'ware Co.
Smith Co., P. A.

Heating & Vent- ilating.

Atlas Heating &
Ventilating Co.
Klarnan & O'Brien
Hurley Co., J. C.
Lawson, Herman
Looney Co., J.
Mangrum & Otter
Snook & Co.,
Fred W.
Torril Zone Fur-
nace Co.
Turner Co., The
Wilson, Robt. M.

House Movers & Raisers.

Hatch, H. L.
Pearson, N. H.
Sullivan, D. J. & T.

Hoisting Engi- neer.

Le Clair, S. D.

Inlaid Floors.

Hardwood Inter-
ior Co.
Inlaid Floor Co.
Pac. Floor Sand-
ing Co.

Interlocking Tile Blocks.

California Deni-
son Block Co.

Iron Foundry.

Steiger & Kerr,
Stove & Found-
ry Co.

Iron & Steel.

Baker & Hamil-
ton
Dawson & Noyes
Judson Mfg. Co.
Pacific Coast Steel
Company.
Trussed Concrete
Steel Company.
Woods & Huddart

Iron Works.

Brode Iron Wks.
Dyer Bros.
Eureka Wire &
Iron Wks.
Golden Gate Iron
Works
Hillard Co., C. J.
Kell Iron Works
Michel & Pfeffer
Monarch Iron
Works

Pacific Iron Wks.

Pacific Structural
Iron Works.
Ralston Iron
Works

S. F. Iron Works

Sartorius Co.
Schraeder's Iron
Works

Steiger & Kerr

Stove & Found-
ry Co.
Vulcan Iron Wks.
West Coast Wire
& Iron Works

Western Iron Works

Joint Hangers & Post Caps.

Falls Mfg. Co.
Pac. Bldg. Mate-
rials Co.
Roman Co., C.
Waterhouse &
Price Co.

Western Bldrs. Supply Co.

Lathers, Wood & Metal.

Balzke, Robt.
Edwards, C. H.
Havden, Fred
Kaiser, Jos.
McAbee, E. T.
Raymond, Wm. H.
Snell, Ralph L.

Lighting Fixtures

Day Co., Thomas
Mohilite Co.

Lime & Plaster Dealers.

Arden Plaster Co.
Cal. Lime & Hy-
drate Co.
Cowell Lime &
Cement Co.
Guerin & Co., J. S.
Lennon Co., J. E.
Pacific Portland
Cement Co.
Western Lime &
Cement Co.

Lumber Dealers.

Acme Lumber Co.
Christenson Lum-
ber Co.
Columbia Lumber
Co.
Doe Co., Frank P.
Excelsior Red-
wood Co.
Hardy Lumber Co.
Hart-Wood Lum-
ber Co.
Hauptman Lum-
ber Co.
Kruse Co., J. H.
Hooper Lumber Co.
Higgins Lumber
Co., J. E.
Loop Lumber Co.
MacDonald Lum-
ber Co.
Moore Mill and
Lumber Co.
Oakley, — Mahony
Lumber Co.
Peterson, B. T.
Pope & Talbot
Reinhart Mill &
Lumber Co.
Ryan, George
Santa Clara Val-
ley Mill & Lum-
ber Co.
Santa Fe Lumber
Co.
S. F. Lumber Co.
Schouten & Co., J.
W.
Sunset Lumber Co.
Tierman & Beronle
Van Arsdale-Har-
ris Lumber Co.
Wilson Bros. & Co.
Wood Lumber Co.,
E. K.
Wright, Jr., Wm.

Magnesite Floor- ing.

Artolith Mfg. Co.
Bender R.&P. Co.
Dwan & Co., J. M.
Fibrestone &
Roofing Co.
Flaherty R.&P. Co.
R. H.
Goodmanson, A. K.
Malott & Peter-
son
Watsonite Co.

Mantels, Tiles & Grates.

General Building
Work Co.
Ginsberg Bros.
Mangrum & Otter
Peerless Agencies
Co.

Marble and Mosaic Work.

General Building
Work Co.
Gheco, M. H.
Grassi & Co., P.
Mission Concrete &
Mosaic Wks.
Mission Marble
Works.
Muxto Sons-Kee-
nan Co.
New Era Marble
& Concrete Co.
Teltz, Francis E.
Tomagnini & Co.,
G.
Vermont Marble
Co.

Metal Lath.

Atlantic Fire-
proofing Co.
Berger Mfg. Co.
Holloway Metal
Lath Company.

Waterhouse & Price.

Western Builders'
Supply Co.

Metal Stamping.

S. F. Metal Stamp-
ing & Corr. Co.

Notary Public.

Duncan, A. M.

Oils and Greases.

Standard Oil Co.
Union Oil Co.

Ornamental Plas- tering.

Benkman, Ed. G.
Binner, Theodore
Larson, O. F.
Lipp & Co., J. F.

Painters and Dec- orators.

Baker Co., W. T.
Bell, Wm. J.
Bernstein, Wm.
Blum, Louis
Brown, J. L.
Burns Bros.
Clark & Dickson
Cramer Bros.
Conlin, J. J.
Copnick, T. W.
Dahl, T. H.
Donovan, V. J.
Hansen, Elbing A.
Johnson, C.
Kissel, Isidor
Miller, L.
Miller, J. A.
McCubbin, James
Manning, John
Neal, L. J.
Progressive
Painting Co.
Quandt & Son
Ruderman, I.
Simon Nelson Co.
Smith, J. S.
Sovig, C. B.
Trost, C. R.
Walk, Mayer
Wagner, Fred
Wagner Bros.
Zelinsky, R.

Paints, Oils Varn- ishes, Etc.

Clark & Dickson
Cohn & Co., Mar-
ion D.
Fuller Co., W. P.
O'Brien, J. S.
Paint Products
Corporation
Paraffine Paint Co.
Pratt & Lambert
Whittier - Coburn
Co.

Patent Chimneys.

Clawson Co., L. E.
Dresser - McDon-
Hughes, H. J.

Pile Driving.

Lamburth, C. E.

Paving Brick.

Cal Brick Co.

Planing Mills.

Acme Plgn. Mill
Anderson Bros.
Atlas Planing
Mill Co.
Builders' Supply
Depot
Cal. Door Co.
Cal. Planing Mill.
Emanuel, L. & E.
(Inc.)
Empire Planing
Mill
Hart & Burmels-
ter
Hermann, A.
Herring's Mill
Holden - Deuprey
Co.
Jordan Mill Co.,
J. P.
Main St. Planing
Premises Planing
Mill
Reinhart Lumber
& Planing Mill
Ryan, George

San Mateo Plan- ing Mill.

Santa Clara Val-
ley Mill & Lum-
ber Co.
Spencer St. Plan-
ing Mill
Taylor & Co.
Western Planing
Mill
Veyhle & Collins

Plasterers.

Bosch, Herman
Bradley & O'Reilly
Brennan, James
Campbell, Chas.
Campbell & Will-
iams
Connel Co., J. E.
Daly, J. H.
Duthie, Chas.
Gilmour, W. G.
Jones, Francis
Kaiser, Jos.
Leaf, Al.
MacGruer & Co.
Mellon, Thos.
Modica, S.
Mowat Donald
Philbin, J. J.
Sexton, T. D.
Terranova Bros.
Wagner, James A.

Plumbing and Gas Fitting.

Band, S. W.
Bernard, Geo. F.
Dunn, Neil H.
Goss, Wm. P.
Grundy, Ed.
Houston, J. J.
Kara, F. E.
Klarnan & O'Brien
Lacey, E. V.
Lauder, H. I.
Lawson, Herman
Lettich, Antone
Lettich, J. M.
Looney Co., J.
Moay, Gus
McLeod, J. J.
Penkerton, J. H.
Skelly, Thoms
Snook & Co.,
Fred W.
Turner Co., The
Wetzel, Theo.
Wilson & Co., W.

Plumbers Supplies

Kinney Co., R. W.
Mark-Lally Co.
Mueller Mfg. Co.,
H.
Nelson Mfg. Co.
Pac Sanitary Mfg
Co.
Paragon Brass
Mfg. Co.

Radiators.

American Radia-
tor Co.

Railway Materials

Orenstein - Ar-
thur Koppel Co.

Rigging.

Lamburth, C. E.

Roofing, Gravel & Composition.)

Bender Roofing &
Paving Co.
Cantley & Co., J.
Enterprise Roof-
ing Co.
Flaherty, R. H.
Keene Co., R. E. G.
Lawson Roofing
Co.
Lewis, W. S.
Malott & Peterson
Raphel Roofing
Co.
Samuel Co., H. D.
Watsonite Co.
Western Asbestos
Magnesia Co.
Western Felt and
Refining Co.

Roofing (Slate & Tile.)

Graham, R. G.
White, Ed. A.
Fibrestone &
Roofing Co.

Roofing Materials.

Johns - Manville
Co., H. W.
Paraffine Paint Co.
Waterhouse &
Price
Western Asbestos
Magnesia Co.
Western Builders'
Supply Co.
Whittier - Coburn
Co.

Sand, Gravel, Etc.

Bay Devel. Co.
Cal. Building Ma-
terial Co.
McMullin Bros.
Stone Co., E. B. &
A. L.
Western Develop-
ment Syndicate.

Sanitary Garbage Chutes.

Bill & Jacobsen
Sand Blasting,
McDermott, W.

Sheet Metal Wks.

Amsler Sheet
Metal Works
Appman Cornice
Works
Atlas Heating &
Ventilating Wks
Capitol Sheet
Metal Works
Comyns & Nygren
Cronan, Wm.
Crown Cornice
Works
Elite Sheet Metal
Works
Forderer Cornice
Works
G. & M. Sheet
Metal Works
Guilfoxy Cornice
Hibernia Sheet
Metal Works
Hughes, H. J.
Ideal Cornice Wks
Korell & Co., J. A.
Modern Sheet Met-
al Works
Morrison & Co.
S. F. Metal Stamp-
ing & Corr. Co.
U. S. Metal Pro-
ducts Co.
Western Furnace
& Cornice Co.

Sidewalk Lights.

Jackson Co., P. H.
Dwan & Co., J. E.
Phoenix Sidewalk
Light Co.

Stair Builders.

Bishop & Peraino
Boller, John
Jacobsen, J.
Porter, W. F.
Stewart, J. K.

Stationery.

Foster & Short
Wright, J. H.

Steel Bars.

Baker & Hamil-
ton
Dawson & Noyes
Woods & Hud-
dard.

Pacific Coast Steel Co.

Soule Co.

Steel Erector.

Schauer, Fred C.
Pioneer Con. Co.
Williams Con-
struction Co.

Store Fronts

Kawner Mfg. Co.
Structural Steel
Contractors.

Central Iron Wks

Dyer Bros.
Judson Mfg. Co.
Pacific Structural
Iron Works
Pac. Rolling Mills
Schraeder's Iron
Works.
S. F. Iron Works
Western Iron Sup-
ply Co.

Stoves.

Mangrum & Otter
Steiger & Kerr

Structural Steel Contractors.

Brode Iron Wks.
Dyer Bros.
Golden Gate Iron Works
San Francisco Iron Works
Ralston Iron Wks
Vulcan Iron Wks.

Surveyors.

Morser, E. J.
Quimby, L. S.
Wetherell, Chas E

Teaming & Grading.

Branic, J. P.
Blanchini, G.

Federal Transfer & Draying Co.
Carlin Bros.
Devencenzi & Co., L.
Dillon Teaming Co.

Federal Transfer & Draying Co.
Harbor View Contract Co.

Huie Co., E. M.
Lennon Co., J. E.
Leffler, Fred
McGlinchey & Monohan
Montague Co., P.
O'Day Co., D.
Powers, Chas. J.

Sibley Teaming & Grading Co.
Star Contracting Co.
Wright Co., J. H.

Tilling.

Cal. Tile Contr.Co.
Ginsberg & Co., S.
Mangrum & Otter
Peerless Agency Co.

Vacuum Bill & Jacobson
Hughson & Merton Co.
Schaer Bros.
Stevens Co., Frank A.

Hyde Henry C.
United Elec Co.
Wall Beds.
Marshall - Stearns Co.
Water Company, Spring Valley
Water Works.

Whitewashing
Brickley, P. J.
Reigle & Jamison
Taylor, L. A.

Window Cleaning.
American Window Cleaning Co.

Windows, Patent.
Simplex Window Co.

Central Electric Co.
City Electric Co.
Decker Electric Co
Globe Elec. Co.
Levy Elec. Co.
National Elec. Co.

Elevators.

Otis Elevator Co.
Van Emon Elevator Co.

Fibre.

S. F. Fibre & Cordage Co.
Fireproof Doors.
Norris, L. A.

Floor Sanding
Inland Floor Co.
Pacific Floor Sanding Co.

Grill Work.

Cal. Art Metal & Wire Works.

Merle Co., A.
Sartorius Co.
Withington, C. W.

Gen. Contractors.

Andrus, R. C.
Brigham, H. B.
Brockhage, Foley & Green

Caldwell & Co.
Cereghino & Son, Louis

Currie & Currie
Dempiak Bros.
Farquharson, D. B.

Fluth, J.
Fraser & Fraser
Graham, D. E.

Griffith, Wm.
Hannah, J. D.
Hannah & Co. J.S.

Haves, W. W.
Jackson, A.
Kuykendall, J. O.

Malley, Edward.
Matthies, Henry
Peacock, John

Schnebley, Host-trawser & Ped-griff

Glass and Glazing

Cal. Plate & Window Glass Co.
Cohen, I.

Cobbledick-Kibby
Friedman Bros.
Fuller, W. P. & Co.

Habenicht & Howlett
Holland, J. P.

Schwarz & Gottlieb (Inc.)

Grading & Teaming.

Church, D. O., Co.
Dillon, D.

Eureka Teaming Co.
Fay, S. J.

McClure, H. N.
Wilhelm, A. H.
Wilkie Co., A.

Williams, F. A.
Wright, Chas.
Monarch Teaming Co.

Sibley, L. B.
McLanagan, S. B.

Granite.

Bradbury, Thos.
Cal. Granite Co.
De Lano & Sons, I. L.

Hunt, A. T.
Raymond Granite Co.

Hardware.

Joost Bros.
Kruse, J. H.

Lorenz, Schffaeer & Co.
Meyer, A.

Palace Hdq Co.
Heat and Light.
Pacific Gas and Electric Co.

Heating & Ventilating.
Burnham Plumbing & Heating, Inc.

Cronan, Wm.
Mangrum & Otter
Montague, W. W. & Co.

Electrical.
American Electrical Engineering Co.
California Electrical Works.

House Moving & Raising.

Blume Cont'g Co.
Pearson, E. K.
Sullivan, D. J. & T

Inland Floors.
Hardwood Interior Co.

Inland Floor Co.
Pacific Floor Sanding Co.

Iron Works.
Lorenz, Schffaeer & Co.

Michaels & Pfeiffer
Monarch Iron Works.

Pacific Rolling Mill Co.
Pacific Struc. Iron Works.

Joint Hangers & Post Caps.

Kortick - Falls Mfg Co.
Lilley & Thurston

Lorenz Schaffer & Co.
Western Builders' Supply Co.

Kawneer System Store Fronts.

Falls Mfg. Co.
Lilley & Thurston Co.

Light and Power
City Electric Co.
Pac. Gas & Electric Co.

Lime, Cement, Etc
Acme Cement Plaster Co.

Arden Plaster Co.
Cowell Lime & Cement Co.

Holland, J. P.
Holmes Lime & Cement Co.

Lennon, Jas. E.
Lucas, W. E.

Pacific Bldg. Material Co.
Pac Lime & Plaster Co.

S. F. Lime Co.
Shasta Lime Products Co.

Western Building Material Co.
Western Lime & Cement Co.

Lumber.

Acme Lumber Co.
Christenson Lumber Co.

Hardy, Jas. H., Inc.
Hart-Wood Lumber Co.

Humboldt Lumber Co.
Hauptman Lumber Co.

Hooper Lumber Co.
Kruse, J. H.

Loop Lumber Co.
Macdonald Lumber Co.

Moore, R. B. Mill & Lumber Co.
National Mill & Lumber Co.

Olsen Mahoney Lumber Co.
Pope & Talbot.

Santa Fe Lumber Co.
Schouten Lumber Co.

Tiernan & Bero-nie
Van Arsdale-Harris Lumber Co.

Wilson Bros. & Co.
Doe Co., F. P.

Lumber (Hard-wood.)
Dieckmann & Co.

Howard, E. A. & Co.
Niehaus, Ed. F. & Co.

White Bros.
S. F. Lumber Co.

Machinery.
Harron, Rickard & McCone.

OFFICIAL LIST OF MEMBERS**BUILDERS' EXCHANGE**

OF SAN FRANCISCO

180-188 JESSIE STREET

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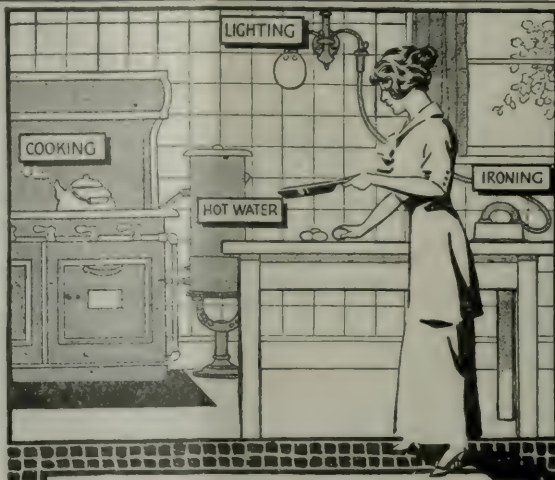
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Editorial Comment.

Aside from the winter rains which usually inhibit building operations to a certain extent the month of January showed a comparatively small building record for the City and County of San Francisco. Altogether the total amounted to \$1,284,898, which was composed of the following figures: Brick and concrete, \$334,768; frame construction, \$391,371; alterations and additions, \$112,261; Panama-Pacific International Exposition contracts, \$230,974; City buildings, \$2,472; street and sewer work, \$55,647; State work, \$137,246; Government work, \$20,159; making in all the total above quoted. This as against a total of \$1,928,563 for the same period last year. In the private construction it will be noted that the figures for frame buildings exceed those for permanent construction showing that there are more small buildings going up without the fire limits than there is construction down town.

While the depression in the building business continues all over the country there seems to be a sort of upward trend in business generally. As a matter of comparison the record for January for the last ten years is as follows:

January, 1906	\$1,589,315
January, 1907	5,225,264
January, 1908	1,991,242
January, 1909	3,116,208
January, 1910	2,273,044
January, 1911	1,242,806
January, 1912	1,692,810
January, 1913	2,655,990
January, 1914	1,928,563
January, 1915	1,284,898

While the figures show the smallest total for the month for a period of ten years, except that of 1911, still considering the extraordinary condition of the world's business the situation is not abnormal. The period of adjustment seems to have begun and it seems reasonable to suppose that the coming month will see a gradual upward trend in building as well as in other business.

The poor we have with us always as in the days of the Great Teacher and the times of the world war bring forcibly to our attention the problem of poverty, and its various effects as found in illness, unemployment and crime. The chief agency for dealing with this problem in San Francisco is the Associated Charities. And the manner in which it has dealt with this problem and the difficulties it has confronted is embodied in a statement sent out by the Board of Governors to the members of the Commonwealth Club:

"Although it is the principal relief agency in San Francisco it aims to do something more than furnish mere

temporary relief. It tries in every case to shape its help so as to make the applicant self-supporting. In many cases this cannot be done, and in others it takes a very long time, but most of those that it helps are ultimately restored to independence.

It has found that illness and unemployment are the principal causes of distress, and that tuberculosis is the most destructive form of illness, and the most expensive to alleviate. One or two thousand dollars and years of time and attention may easily be required to rescue a single family from its ravages.

The society finds foster mothers for neglected and abandoned children, and supervises their care. It has established close co-operations with the hospitals of the University of California and Leland Stanford Junior university, and through their clinics is able to furnish to those who need it the best medical aid to be had in the city. Besides this, it has the cordial co-operation of many physicians and other volunteer workers in all of its departments.

In addition to the ordinary assistance extended by it to individual applicants, it does constructive work in various lines. It was instrumental in the original organization of the Charities Endorsement Committee, in the enactment of the laws that created the Juvenile Court, and the State Board of Charities and Corrections, and securing the passage of the first tenement house law.

In co-operation with other organizations, it established the woodyard, now conducted at the old sailors' home on Main Street, where homeless men are cared for.

In recent years it has reduced the death rate of foundling children from nearly sixty per cent to less than three per cent, so that the death rate of these children under its care is now lower than the average death rate of children in the city.

Its expenditures during the year 1914 were over \$167,000. To properly carry on its work it needs annual subscriptions of at least \$100,000. Contributions in 1914 were slightly over \$67,000.

A campaign is now on foot for a popular subscription of dollar memberships. The collection will be made throughout the city on Saturday, February 13th."

Here is an organized and intelligent effort to alleviate the sufferings of poverty and to place unfortunate people on their feet. There is a lot of abortive work done, in the name of charity, by well intentioned people but which leads nowhere and effects no permanent result. The giving of charity to this institution assures the giver that his contribution will be used in an intelligent manner and will effect permanent good.

Petroleum Recovery and Waste.

By Ralph Arnold and V. R. Garfias.

In California, a proven oil property may be regarded as a commercially productive reservoir of oil or irregular form lying from 200 to 5,000 feet below the surface, and bounded laterally along the property lines by imaginary vertical planes. The deposit may be tapped by wells within the property or in adjacent lands. In either case the cover or cap rock of the reservoir is perforated and the equilibrium of the contents is disturbed by the lateral flow of the oil toward the well. Water-bearing beds, as a rule, occur at different horizons throughout the overlying strata or cap rock and may be present within the reservoir proper or below it.

Factors Controlling Net Production Recoverable Oil.

Although the intrinsic value of an oil property usually is based on the total quantity of oil that theoretically can be recovered, this quantity is seldom, if ever, actually extracted from the underground reservoir. In order to differentiate between the total quantity contained in the sands, that which theoretically can be recovered and that actually recovered and the volume sold, the terms "oil content," "recoverable oil," "oil recovered" (gross production), and "oil delivered" or sold (net production) commonly are used.

The term "oil content" includes all the oil stored within the boundaries of the tract. A large part of the oil in the producing zones never can be recovered, as friction and other factors prevents its escape from the reservoir rocks. Usually a smaller proportion also is lost in associated sands which, though penetrated by the well, are too poorly saturated to be worked at a profit. As a rule, such isolated sands above and below the main zone eventually become flooded with water.

The term "recoverable oil" represents that part of the stored oil that is extracted when the highest efficiency is attained, the difference between this quantity and the total oil content constituting, in a sense, a theoretical royalty that nature exacts from the oil operator. The efficiency attained in producing oil is measured, therefore, by the ratio of the quantity of "oil recovered" to the "recoverable oil," an ideal condition existing when the two figures are identical. It is estimated that the average actual values of this ratio in California range from 50 to 60 per cent.

Efficiency of Management.

The "oil recovered" represents to the operating company a definite asset, which, unfortunately, is seldom fully realized. As a rule, the oil is allowed to flow over the ground and some is wasted through seepage and evaporation. Furthermore, improper separation from water and the wasteful utilization of oil as fuel at wells and pumping plants diminish the net output decidedly. It is probable that 10 to 15 per cent of the total gross

production of the State has been wasted through seepage or evaporation, and that between 8 and 10 per cent has been used as fuel in the past, leaving some 80 to 85 per cent as "net production" available for delivery to pipe lines or to the consumer. As in coal mining, there will remain always in an extensive oil deposit a large quantity of oil that never will be recovered. If past conditions prevail throughout the life of the fields, it is no exaggeration to state that of the supply of recoverable oil throughout the oil fields of California not over 40 to 50 per cent will ever be marketed. This loss may be due to a number of causes, such as premature flooding of the main oil reservoir with water, non-recovery of oil in isolated beds that are never worked, defective finishing of wells and wasteful production from uncontrolled gushers and gassers.

A remarkable example of the amount of oil that is actually wasted is found in the Kern River Field, where a company controlling the land near the junction of the Kern River and a ravine that crosses the field has installed a catch basin to gather the oil wasted by the companies having wells along the ravine. It is estimated that the "net production" of oil from this catch basin for the last eight years aggregates close to 250,000 barrels, or about 85 barrels a day.

The causes of waste should be kept continually in mind when appraising oil properties, the value of which should not be based on the quantity of oil theoretically recoverable, but on the figures of net production, the only tangible source of revenue to an oil-producing company.

Oil Pumping.

The majority of oil operators believe that the best means of increasing net production is to add to the number of producing wells, and although in many cases this plan may be advisable, in others it leads only to greater expenditure without proportionate return. The financial success of an oil enterprise frequently depends on the factors controlling the ratio between gross production and recoverable oil; that is, on the efficiency attained in the recovery of the oil from the underground reservoir. Efficiency of recovery will assume greater importance as the production of the fields decreases and as uses for crude petroleum are developed.

The pumping of oil under the conditions prevailing in California presents difficulties seldom encountered in mechanical problems of like nature. The character and extent of the difficulties will be evident in some measure if one realizes that a fluid having the consistency of molasses and carrying a large quantity of sand has at many wells to be lifted through a column of tubing 2 or 3 inches in diameter and half or three-quarters of a mile in depth.

The recovery of oil from shallow wells naturally may be effected by ap-

paratus relatively cheaper and simpler than that required for deep wells, and in order to obtain uniformly successful results from different properties it is necessary that the extra cost of operating in deep territory be compensated by a correspondingly greater yield or better quality of oil.

In some of the fields of California wells 200 to 1,000 feet deep, producing about 5 barrels a day, can be operated at a profit if the selling price is as low as 30 cents a barrel, where as in others, where the oil has to be lifted 3,000 to 4,000 feet, it is not economical to pump the wells unless the yield equals or exceeds 100 barrels a day, or unless the contain sufficient gas to assist materially the action of the pump. Some properties in the Santa Clara Valley district afford a striking example of high efficiency. The wells are drilled in 10 to 15 days, tapping the oil sand at about 700 feet; these are pumped in groups of about 20 by means of a pumping "power" operated by a gas engine using natural gas from the wells. The oil produced, owing to its quality, is sold at a price about three times that commanded by the heavy grades in California. The other extreme is well exemplified in the San Joaquin Valley fields, where small quantities of oil are being recovered after more than a year has been consumed in drilling to a depth of over 4,000 feet. Between these extremes the range in types of producing oil properties is great, and the line separating fluctuates under the influence of the various factors affecting the oil industry.

One may conclude from the foregoing discussion that the only properties worth developing at the present time are those in which oil is encountered in commercial quantities at comparatively shallow depths; but such an assumption is incorrect, as in many instances the increased cost of deep operations is more than compensated by greater thickness of the oil-sand strata, better quality of oil, stronger gas pressure, and the resultant larger production and longer life of the wells. In the Coalinga field several wells over 4,000 feet deep, producing oil rated at 0.9210 to 0.8805 specific gravity (22 degrees to 29 degrees B.), are being pumped at a good profit.

From "Methods of Oil Recovery in California," Technical Paper 70, Bureau of Mines.

THE SPRING VALLEY WATER COMPANY AND THE COMING BOND ELECTION.

By Ray W. Taylor, of the City Attorney's Office.

Contractors and builders generally are interested in the coming bond election for the purchase of the Spring Valley properties. Without water, building cannot proceed in the outlying districts and the industry will be

confined to the vacant spaces in the built up portion.

City Engineer O'Shaughnessy has produced figures from Federal statistics to show that while Berkeley, Oakland and Alameda have increased at the rate of 5 per cent per annum since the last census, this city has only grown 1.9 per cent. This lack of growth is attributed by the Advisory Water Committee to the fact that no extensions have been made to the Spring Valley mains since 1906, and the entire outlying sections of the city are without water and unable to expand.

This Advisory Water Committee consists of Mayor Rolph, Judge Matt I. Sullivan, Supervisor Alexander T. Vogelsang, City Attorney Percy V. Long, Supervisor Thomas Jennings and City Engineer M. M. O'Shaughnessy. It has published a report in which it gives its reasons why the city should purchase the Spring Valley properties.

The price of \$34,500,000.00, after an investigation that cost the city \$100,000.00, is said to be a fair one. It is claimed that the properties will pay for themselves without extra taxation and will yield a surplus over and above operating expenses that may be applied to the payment of interest on Hetch Hetchy bonds.

If the Spring Valley properties are purchased, it is proposed to immediately develop the sources of the system on the Alameda side of the bay by the building of the Calaveras Dam. This will nearly double the supply of the system, and it is proposed to make this water immediately available for those districts in this city which are now without water.

MARKET FOR AMERICAN GOODS IN COSTA RICA.

[Consul Chester Donaldson, Port Limon.]

Cast-iron pipes are in use in this city and district for the public waterworks of the different municipalities, but have never been used for the sewer system of Limon (the only one in this district). No gas is used in any of the municipalities of this district.

The only city in the district of Limon is Port Limon, which has a municipal waterworks system. The length of the pipe line from the mountain stream to the city is about 15 miles. The pipe is 1, 2, 3, 4, 6, and 8 inches; that leading from the street into private houses is one-half inch in diameter. Correspondence should be addressed to the president of the municipality of Port Limon.

The municipalities of Siquierres (40 miles west), Guapiles (60 miles northwest), Estrada (20 miles west), and Matina (22 miles west) are all considering plans to put in small systems, but the lines of pipe will not need to be more than a mile or so in length, as the mountains, where good water can be found in abundance, are very near.

Prices of Paints—Lumber, Household Novelties, and Planos.

American mixed paints, oilc, etc., are well known in this market but a large percentage of the trade has heretofore gone to England and Germany. The

following are the prices of mixed paints in this market to the retail merchants: White lead, in oil, \$3.50 per 100 pounds; best grade mixed paint, \$4.25; cheap grade mixed paint, \$3; roof paint, mixed, \$3.50; cold-water paint, \$0.03 per pound, in 5-pound packages.

Owing to the high duty on sash, doors, blinds, etc., such goods have never been imported to any extent and none are kept in stock in this market. The duty is \$0.042 per pound, gross weight. Therefore it has been the custom here to import the lumber sawed and planed, but not cut or made up. The local carpenters have always made the sash, doors, and blinds here by handwork, as labor of that kind is much cheaper than in the United States (about \$1.40 to \$2.33 per day.)

Household novelties and labor-saving devices are not kept in stock by merchants here, and their advantages are not known to housekeepers. To introduce them into this district, a demand must be created by means of circulars at the consulate and leading firms, newspaper advertising, and finally a house-to-house canvass with samples.

Vacuum Cleaners Unknown.

No carpets are used here. The floors are hard, polished wood or tile, on which are placed small rugs under center tables, in front of doors, sofas, etc. Vacuum cleaners are unknown but might possibly be introduced if their usefulness were demonstrated. It is important that the cleaner should be cheap and of light weight. The duty on vacuum cleaners is \$0.042 per pound.

The first step in advertising American goods in this district would be to send circulars to the consulate and to firms whose names have been obtained from the consulate. Then, if the business seems worth while, it would be well to follow the local custom of advertising in the San Jose papers (La Informacion, El Noticiero, La Republica, and La Prensa Libre), which are universally read here, and possibly in the small local weekly El Limonense (The Limon Citizen). A representative with samples should be sent, when it seems probable that the business would warrant it.

SENDING A KITCHEN TO SAN FRANCISCO.

Model Designed to Illustrate Principles of Kitchen Arrangement Interest Housewives That Visit the Fair.

A complete kitchen with a real stove, refrigerator, sink, work-table and other necessities is being sent by the Department of Agriculture to San Francisco for the Fair. This kitchen is not a "model" in the sense that every housewife is to try to make hers as nearly like it as possible, but is rather a composite of many possible model kitchens which is designed to illustrate various essential principles of convenient kitchen arrangement. The American housewife, for whose special benefit the model has been constructed, must judge from it what appliances and improvements in arrangement will best fit her peculiar household needs—and those of her purse.

One general idea emphasized by the Department's San Francisco-bound kitchen is that the size of the ordinary kitchen should be small rather than large if the room is to be used only for the preparation of the meals. It should be as compact as possible to save traveling back and forth. The stove, table, and sink should be as near together as is convenient, and the distances to supplies and the dining room or pantry should be short. On the floor of the model room the distances most commonly traveled in preparing and serving meals are indicated by straight lines.

"The fewer ornaments the better in a housewife's workshop" is the text of another lesson of this little exhibit. Corners are rounded; surfaces are plain; there are as few moldings as possible to catch dirt which must be removed with so much effort. One feature is a table with legs that may be raised or lowered to suit the height of the worker.

The refrigerator, as it stands, would never in the world recommend itself to any thrifty housewife, for one part of it is lined with solid porcelain, another with enameled steel, another with zinc painted with enamel paint, and another with unpainted zinc. However, this refrigerator preaches a sermon of its own, for the advantages and disadvantages of each particular lining are explained in labels attached. Each woman who reads may look for what suits her own refrigerator, and housewives from the North or from the South, from a high, dry region or a low, moist region may each decide which feature is most adaptable for her own use and pocketbook.

A stew kettle is shown in several common materials in the model kitchen, but no particular make is recommended. The aim is to show sauce pans or kettles made of steel, aluminum, enamel ware, copper, and earthenware, and descriptive labels explain how each material excels in its own way, and its disadvantages.

On the walls of the model are shown samples of the more common floor coverings and wall finishes with labels setting forth the relative merits and drawbacks of each. Linoleum and oil cloth have their strong points, and so have tinted, painted, and undressed wall surfaces. Varnished wall paper is good for some purposes, and unvarnished for others.

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ADVANCE NEWS

Classified according to Character of Work

APARTMENT HOUSES.

SAN FRANCISCO—Apartment house, 3 story and base frame, \$10,000. Architects, Rhodes & Marisch, 3372 16th street, S. F. Owner, Henry Sipple. The building will be erected at the north-east corner of 19th and Lexington streets, and has been designed to contain nine suites of three rooms and bath. Interiors will be finished in pine and elm panels. There will be a hot water system and wall beds. Bath rooms will be finished in Keene cement plaster in imitation of tile and will have composition floors. Exterior of the building will be covered with ship-lap. Plans are complete and figures are now being taken.

SAN FRANCISCO—Apartment house, 3 story and base, frame, \$20,000. Architect, none. Owner, John Schroeder, 1006 French Bank Bldg., S. F. The building will be erected on the east side of Jones street south of Pine, covering an area of 30 by 77½ feet. There will be a number of two and three room apartments with private baths and wall beds. Interior will be finished in pine, redwood and elm panels. Some hardwood floors will be used. Plans provide for steam heat and a hot water supply. Bath rooms will have tile wainscot and composition floors. Marble and tile wainscot will be used in the entrance. Exterior of the building will be covered with rustic and cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor. Materials are now being purchased.

SAN FRANCISCO—Apartment house, 3 story and base, frame, \$15,000. Architects, Rhodes & Marisch, 3372 16th street, S. F. Owner's name withheld. The building will be erected at the corner of Albion avenue and 17th street. There will be a total of twelve suites of three rooms each. Interiors will be finished in pine with elm panels and some hardwood floors. Plans provide for steam heat and a hot water supply. All suites will have wall beds and private bath rooms. Imitation tile wainscot and composition floors will be used in the bath rooms. Entrance will be finished in tile and marble. Exterior of the building will be covered with cement plaster on metal lath. Plans are being prepared.

SAN FRANCISCO—Apartment house, 3 story and base frame, \$10,000. Architects, Rhodes & Marisch, 3372 16th street, S. F. Owner's name withheld. The building will be erected on Devisadero street near Post, and has been designed to contain twelve suites of two and three rooms. Interior finish will be of pine and elm. All apartments will have wall beds and private bath rooms. There will be a hot water system. Space is provided in the basement for the storage of machines. Bath rooms will have imitation tile wainscot and composition floors. Exterior of the building will be covered with

rustic and cement plaster on metal lath. Preliminary plans have been prepared.

SAN FRANCISCO—Apartment house, 5 story and base. Class C construction. Cost not stated. Architects, Rousseau & Rousseau, 110 Sutter street, S. F. Owner's name withheld. The building will be erected in the Fifty Vara District and has been designed for stores besides the entrance and lobby on the ground floor. Upper floors will be arranged for two and three room apartments. All suites will have wall beds and private bath rooms. Interior finish will be of pine, redwood and gum. Some hardwood floors will be used. There will be steam heat, elevator service, a hot water system and vacuum cleaning. Bath rooms will have tile wainscot and composition floors. Patent store fronts are specified. Exterior of the building will be faced with pressed brick trimmed with terra cotta. Plans are now being prepared.

SAN FRANCISCO—Apartment house, 3 story and base, frame, \$7,500. Architects, Rhodes & Marisch, 3372 16th street, S. F. Owner, Henry Sipple. The building will be erected on 19th street near Lexington, opposite a similar structure to be erected for the same owner. There will be six three-room suites and three two-room. Interior finish will be of pine and redwood. A hot water system will be installed. All suites will have wall beds and private bath rooms. Exterior of the building will be covered with rustic and ship-lap. Plans are complete and figures are now being taken.

OAKLAND, CAL.—Apartment house, 2 story and base, frame, \$2,000. Architect, F. D. Voorhees, Central Bank Bldg., Oakland. Owner, Daniel F. O'Connell, 4243 Howe street, Oakland. The building will be erected at the northwest corner of 41st and Montgomery streets and has been designed to contain a total of 47 apartments, arranged in suites of two, three and four rooms. Interiors will be finished in pine, redwood and hardwood. Hardwood floors will be used in the living and dining rooms. There will be steam heat, a hot water supply and vacuum cleaning system. Bath rooms will have tile wainscot and floors. Wall beds will be used in all apartments. Entrance will be finished in marble and tile. Exterior of the building will be covered with rustic and cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor. Materials are now being purchased.

SAN FRANCISCO—Apartment house, 3 story and base, frame, \$27,500. Architect, none. Owner, James H. Hjul, Mechanics' Institute Bldg., S. F. The building will be erected on the south side of Fell street east of Franklin, and will have a frontage of 30 feet by a depth of 120 feet. Interior has been arranged for 21 apartments of two and three rooms. Interior finish will be

of pine, redwood and elm panels. Some hardwood floors will be used. Plans provide for steam heat, an automatic elevator and hot water supply. All suites will have wall beds and private baths. Bath rooms will be finished in tile with composition floors. Marble and tile wainscot will be used in the lobby. Exterior of the building will be faced with rustic and cement plaster on metal lath. Plans are complete and the work will be done by Day Labor.

BERKELEY, ALAMEDA CO., CAL.—Apartment house alteration, 2 story and base, frame, \$3,000. Architects, Oliver & Thomas, Pantages Theatre Bldg., Oakland. Owner's name withheld. The present two-story frame dwelling will be altered into a small modern apartment house. There will be five suites of three and four rooms. The work will require interior partitions, interior finish, plumbing, electric work, plastering and painting. Wall beds will be used. No exterior alterations will be made. Plans are now being prepared.

LOS ANGELES, CAL.—Apartment house, 2 story and base, brick and steel, \$35,000. Architect, L. L. Jones, Central Bldg., L. A. Owner, L. L. Jones, Central Bldg., L. A. The building will be erected at the corner of Westmoreland and 7th streets, covering an area of 60 by 135 feet. There will be a total of fifty rooms arranged in suites of three, four and five rooms. Interior will be finished in pine with some elm panels. Hardwood floors will be used in the living and dining rooms. Plans provide for steam heat, an automatic elevator and hot water system. Private baths and wall beds will be used in all apartments. Vacuum cleaning is also specified. Bath rooms will be finished in tile. Entrance will have marble wainscot. Exterior of the building will be faced with pressed brick. Plans are complete and the work will be done by Day Labor.

BATH HOUSES.

OAKLAND, CAL.—Bath house alteration, \$6,000. Architect's name not given. Owner, W. W. Boole, 38 Highland avenue, Piedmont. The swimming baths, known as the Piedmont Baths, located at the northwest corner of 24th and Vernon streets, will undergo extensive alterations. Included in this work are marble wainscot, steps and glazed tile work. Plans are complete and in the hands of the owner who is letting segregated contracts.

SAN RAFAEL, MARIN CO., CAL.—Purification system. Cost not stated. Architect, Thomas O'Connor, 104 D street, San Rafael. Owners, City of San Rafael. Plans are complete and figures are now being taken for the installation of a salt water purification system in the Municipal Bath House. Bids will be opened on February 18th. Plans and specifications can be secured from the architect.

BONDS.

MARYSVILLE, YUBA CO., CAL.—Bids opened on January 30th for the purchase of \$84,000 worth of the \$100,000 bond issue voted by Reclamation District No. 10 show the Rideout Bank of Marysville the only bidder, and they were awarded the purchase.

By the terms of the bid the bank agrees to purchase the bonds at face value with accrued interest from January 1st.

PORTLAND, ORE.—Morris Brothers of Portland have purchased \$20,000 of coupon notes on the Union High School District, composed of Gresham, Hillsview, Terry, Lynch and Powell Valley. The notes bear 6 per cent interest. The money will be used in the erection of a joint high school building.

LOS ANGELES COUNTY.—The Board of Supervisors will receive proposals for the purchase of school bonds of the Watts School District, Chatsworth Park School District and the Gallatin School District until 2 p. m. February 15th.

The Watts bonds are in the sum of \$35,000, the Chatsworth Park for \$34,000 and the Gallatin School District for \$10,000. The proceeds of the sale will be used in constructing a new school building for each district. H. J. LeLande is the County Clerk from whom further information may be had.

TURLOCK, STANISLAUS CO., CAL.—An ordinance has been introduced to the City Trustees providing for the holding of an election April 2 to determine whether the city shall incur a bonded indebtedness of \$16,000 to purchase block 6 for public park purposes, in conformity to the conditions embraced in the order of the State Railroad Commission for the erection of a new \$10,000 depot in the city. Bonds for the same purpose were voted last summer, but the election was declared invalid owing to the irregularities in the ballots. This ordinance will come up for adoption at the next regular meeting of the board.

NICOLAUS, SUTTER CO., CAL.—Voters of this town, which includes District 1001, sanctioned a \$500,000 bond issue at an election held here on Saturday, January 31st.

The bonds will be sold to defray the expense of the construction of a levee system around the town. Levees which have been constructed in the past have proved too low, and these will be increased in height, while all will be strengthened.

CARUTHERS SCHOOL DISTRICT, FRESNO CO., CAL.—The Board of Supervisors will receive proposals up to 2 p. m. March 3rd for the purchase of bonds of \$30,000, bearing interest at 5 per cent per annum.

The proceeds of the sale will be used in the construction of a new school building for the district.

D. M. Barnwell is Clerk of the Supervisors, and from whom further information can be had.

FRESNO, FRESNO CO., CAL.—Fresno County is planning a bond issue of \$3,000,000 for building a system of good roads, and the Fresno Supervisors have taken preliminary steps to appoint a County Highway Commission. At the February session of the Board a commission will probably be appointed.

SIERRA MADRA, LOS ANGELES CO., CAL.—The \$12,500 bond issue for

the erection of three one-story frame school buildings at Sierra Madra has been sold.

Plans for these buildings were prepared by Architect W. J. Saunders, 319 Laughlin Building, Los Angeles.

ALAMEDA, ALAMEDA CO., CAL.—Plans for enlarging and improving the entire school department of Alameda are being made by the Board of Education, which has asked the City Council to call a \$300,000 bond election. The election would be held this spring and the improvements made before the opening of the schools next fall. According to Superintendent C. J. DuFour, the increase of pupils has overcrowded the department.

EL PASO, TEX.—The School Board will call a special election at once to vote bonds in the sum of \$200,000 for the completion of the new high school building and \$60,000 for the completion of the Alta Vista school.

SAN LUIS OBISPO, SAN LUIS OBISPO CO., CAL.—The Board of Supervisors, local banks and private investors have arranged to purchase \$250,000 in State Highway bonds for the completion of the State Highway through the county.

WINTERS, YOLO CO., CAL.—The \$50,000 bond issue recently voted for the erection of a new High School building in this city was sold at Woodland by the Supervisors. Thirty thousand dollars of the bonds were purchased by the State of California and \$20,000 by the First National Bank of Winters. The bonds sold for par and accrued interest.

AUBURN, PLACER CO., CAL.—The Placer County Bank and Blythe, Witter & Co., of San Francisco, jointly purchased Roseville's \$45,000 public school bond issue. The purchasers bought at par with a premium of \$231 and accrued interest.

FRESNO, FRESNO CO., CAL.—A \$10,000 bond issue to obtain money with which to install an electric water plant, water mains, canals, laterals and a spraying system for Mountain View Cemetery was voted at a meeting of stockholders of the Mountain View Improvement Association Saturday night. E. E. Mannheim and F. A. Walrond were named trustees of the bonds which will be in denominations of \$100 to bear interest at the rate of 7 per cent a year. A. L. Hobbs is president of the association.

ACME, ORE.—Bids will be received by T. J. Neely, secretary of the Port of Siuclaw until 11 a. m. February 20, for the purchase of \$100,000 bonds, to bear interest at 6 per cent, payable semi-annually, to be due \$10,000 each year.

TILLAMOOK, ORE.—Bids will be received by the city recorder until February 15th for \$30,000 improvement bonds in denominations of \$100 or up to 6 per cent, due in 20 years and redeemable in five years.

BRIDGES AND DAMS.

OAKLAND, CAL.—Boat house and water pavilion, reinforced concrete, \$10,000. Architect, Walter D. Reed, Oakland Bank of Savings, Oakland. Owners, City of Oakland. Bids received by the Park Commission for this work show R. Glaze low for the boat house at \$12,042 without lockers, and \$12,642 with lockers. I. D. Bluxome presented the low figure for the

water pavilion at \$2,322. All bids received were above the amount available for construction and were rejected. Plans were ordered revised and new bids will be called for shortly. Further mention will be made of the work.

SAN FRANCISCO—Pier repairs. Cost not stated. Engineer, Assistant State Engineer Newman, Ferry Bldg., S. F. Owners, State of California. Plans are complete and now out for figures for repairs to Pier No. 21 on the waterfront. Bids will be opened on February 21st. Plans and specifications can be secured from the State Board of Harbor Commissioners, Ferry Bldg.

RENTON, WASH.—Bridge, steel span, \$25,000. Engineer, County Surveyor Denton, Seattle. Owners, King County. Bids are now being received by the County Commissioners for the construction of a 120-foot span steel bridge over the Duwamish River at Renton Junction. The bids will close on or about February 25th. The estimated cost of the structure is placed at \$25,000.

Contracts Awarded.

REDWOOD CITY, SAN MATEO CO., CAL.—Trestle bridge, \$1,281.10. Engineer, County Surveyor, Redwood City. Owners, San Mateo County. Contractor, B. S. Green, Redwood City. Contract price, \$1,281.10.

MODESTO, STANISLAUS CO., CAL.—Bridge, timber construction, \$1,577. Engineer, County Surveyor, Modesto. Owners, Stanislaus County. Contractor, W. H. Warwick, Jr., Modesto. Contract price, \$1,577.

CHURCHES.

SAN FRANCISCO—Synagogue, 1 story and base, reinforced concrete, \$12,000. Architects, Rhodes & Marisch, 3372 16th street, S. F. Owners, Hebrew Congregation. The building will be erected on Webster street near Golden Gate avenue, and has been designed in the classic style. There will be a large main auditorium and Sunday school rooms. Interior will be finished in pine throughout. Some tile, marble and art glass are specified. A central heating system will be installed. Exterior of the building will be faced with cement plaster. Only preliminary plans have been prepared. Further mention will be made of the work.

SEBASTOPOL, SONOMA CO., CAL.—Church, 2 story and base, frame, \$10,000. Architect, W. J. Wythe, Central Bank Bldg., Oakland. Owner, First Methodist Episcopal Church of Sebastopol. The building has been designed in the Mission style and will contain the main auditorium, Sunday school rooms, social hall and pastor's study. Interior will be finished in pine and redwood. Art glass windows will be installed. A central heating system, probably furnace heat, will be provided. Exterior of the building will be covered with cement plaster on metal lath. Plans are nearly complete and figures will be called for in about a week. Further mention will be made of this work.

COURT HOUSES.

STOCKTON, SAN JOAQUIN CO., CAL.—Court house alteration and fixtures. Cost not stated. Architect,

Joseph Leseckahn, San Joaquin Bldg., Stockton. Owners, San Joaquin County. The following bids were received for the metal furnishings in the Auditor's office, County Court House at Stockton, and for alterations to the Sheriff's office. Bids for both jobs were taken under advisement:

Steel Fixtures and Furnishings: M. G. West Co., \$3,710; Capital Steel Metal Works, \$3,468; F. W. Wentworth Co., \$4,137; J. C. McQuilkin Co., \$3,825; Fireproof and Sheet Metal Co. (represented by Tredway Bros.), \$3,125.

Alteration to Sheriff's Office: Bids for remodeling the northwest portion of the lower floor of the court house for the reception of the Sheriff's offices were opened as follows: Ralph Prouty, \$1,350; Powell & Medberry, \$1,398; Zinch & W. E. French, \$1,720; Daniels & Green, \$1,848; D. Burns, \$1,583.

FACTORIES AND WAREHOUSES.

SAN FRANCISCO—Factory, 1 story and base, brick, \$5,000. Architect, N. W. Sexton, Chronicle Bldg., S. F. Owners, O'Brien-Kiernan Realty Co., 1754 Mission street. The building will be erected at the southeast corner of Bryant and Zoe streets, and has been designed for a cleaning and dyeing works. There will be a cement floor. Interior finish will be of pine. Special gasoline storage tanks will be installed. Exterior of the building will be faced with stock brick. Plans are complete and the work is being done by Day Labor.

SAN FRANCISCO—Storage and transfer warehouse, 1 story and base, brick and steel, \$30,000. Architects, Cunningham & Politeo, First National Bank Bldg., S. F. Owner, Walter E. Dean, leased to the City Delivery Co. The building will be erected at the corner of Jones and Eddy streets and will cover an area of 137½ by 137½ feet. There will be stores besides the storage space. Interior will be finished in pine throughout. Patent store fronts are specified. Exterior of the building will be faced with pressed brick. Plans are complete and figures are being taken.

RICHMOND, CONTRA COSTA CO., CAL.—Boiler house, etc., brick construction, \$6,000. Engineer, Engineering Department Standard Oil Co., S. F. Owners, Standard Oil Co. Work will start within a few days on the construction of a new boiler house to be erected for the Standard Oil Co. The building will cost in the neighborhood of \$6,000, and will be of brick construction. Twenty 200-horse power boilers will be installed on completion of the new structure. Assistant Engineer E. J. Gerrard is in charge of the work at the Richmond plant.

BENICIA, SOLANO CO., CAL.—Tannery building, brick and frame, \$20,000. Architect's name not given. Owners, Benicia Tannery, Benicia. The Benicia Tannery, which has completed a new \$20,000 building at Benicia, announces the immediate construction of another building and other improvements to cost about \$20,000.

SEBASTOPOL, SONOMA CO., CAL.—Cold storage plant, frame construction, \$15,000. Architect's name not given. Owners, Apple Growers' Association, Sebastopol. The erection of a cold storage plant at Sebastopol was made certain when the stockholders of the Apple Growers' Union in session at

Sebastopol authorized the directors to incur an indebtedness not to exceed \$15,000 for the work. It is planned to have the plant completed to handle this season's crop.

FIRE HOUSES AND JAILS.

SAN FRANCISCO—Fire house, 2 story and base. Class C construction, \$45,000. Architect, City Department of Architecture, Temporary City Hall, S. F. Owners, City and County of San Francisco. Plans for a new fire station to be erected on Powell street have been ordered prepared. The building will be arranged for four pieces of apparatus on the first floor and quarters for the men on the upper floor. Interior will be finished in pine and hardwood. There will be steam heat, special plumbing, including showers, and special electric work. Exterior of the building will be faced with pressed brick trimmed with terra cotta. Plans are now being prepared.

SAN RAFAEL, MARIN CO., CAL.—Jail, 2 story and base. Class A construction, \$60,000. Architect, Thomas O'Connor, 104 D street, San Rafael. Owners, Marin County. At a meeting of the Board of Supervisors a resolution was introduced by Supervisor Casper Gardner, requesting the County Architect to prepare plans and specifications for the erection of a new county jail on the northeast corner of the Court House grounds. The new structure will include the Sheriff's office, Morgue, Emergency Hospital, Probation Officer's quarters and the jail up stairs. The building will be of Class A construction, with every modern convenience, and will cost in the neighborhood of \$60,000. The last two Grand Juries recommended this improvement. No action was taken by the Supervisors. The matter will come up for consideration at a later meeting of the Board.

GARAGES.

SAN FRANCISCO—Garage and store, 3 story and base, reinforced concrete, \$25,000. Architects, O'Brien Bros., Clunie Bldg., S. F. Owner, Charles F. Hanlon. The building will be erected at the northwest corner of St. George Place and Bush street, and has been designed with foundation and walls heavy enough to carry two additional stories. The main floor will contain a store besides the garage. Upper floors will be used for storage space, machine shop and paint shop. Interior will be finished in pine throughout. There will be steel roof trusses. Patent store front will be installed. Exterior of the building will be faced with cement plaster. Plans are complete and figures will be called for at once.

SAN FRANCISCO—Garage, 3 story and base. Class C construction, \$20,000. Architect, C. E. Gottschalk, Phelan Bldg., S. F. Owners, Terminal Hotel Co. The building will be erected on Sacramento street near Drumm and will cover a large ground area. The first and second floors will provide storage space for 125 machines. The third floor will be used for a repair shop. Plans provide for metal window sash and frames and special underground gasoline storage tanks. Interior finish will be of pine. Exterior of the building will be faced with

pressed brick. Plans are complete and figures are being taken.

SAN FRANCISCO—Garage, 1 story and base. Class A construction. Cost not stated. Architects, O. R. Thayer, associated with Charles C. Frye, 20 Montgomery street, S. F. Owner's name withheld. The building will be erected on the south side of Sutter street between Mason and Taylor streets, covering an area of 72-10 by 137½ feet. Besides the usual storage space there will be an office, repair shop and wash room. Interior will be finished in pine. A cement floor will be used. Special storage tanks are specified. Metal window sash and frames and steel roof trusses will be used. Exterior of the building will be faced with cement plaster. Plans are now being prepared.

GOVERNMENT WORK & SUPPLIES.

Chico, Cal., Post Office.

As previously reported, the contract for the construction of the U. S. post office at Chico, Cal., was awarded to R. J. Duffy, Chico, Cal., at \$76,980; time 16 months. In the construction of the building fixtures and material manufactured by the following named firms will be used: Cast iron column and radiators, American Radiator Co.; non-conducting coverings, Johns-Manville Co.; radiator valves, Crane Co.; air valves for end of steam mains and radiators, Hoffman Specialty Co.; oil-burning apparatus, Fess System Co.; cabinet, United Sheet Metal Works; tablets, Trumbull Electric Mfg. Co.; conduit, National Metal Molding Co.; rubber-covered wire, Standard Underground Cable Co.; lighting fixtures, Ikelheimer & Co.; pendant and canopy switches, General Electric Co.; keyless sockets, Bryant; reflectors, Holaphane; glassware, Macbeth-Evans Co.; plumbing fixtures, Federal-Huber Co.; flush switches, Hart Mfg. Co.; damper regulator, American Radiator Co.; motor for oil-burning apparatus, Fess; type S glassware for fixture No. 569, Holaphane.

New Battleships.

While there is at present nothing to indicate that the plans for the battleships authorized at this session of Congress will be radical departures from the types of last year, there is a very good chance that before the designs are completed and ready for the bidders there will be occasion and opportunity to make some important changes. The information in the possession of the Navy Department from its European sources is to the effect that by the 1st of June there will have occurred a collision between the British and German ships, and it has been remarked that it is hardly imaginable that a naval engagement in European waters will not be productive of appreciable influence upon future battleship design and construction. Already enough is known to make certain that there will be some, and special provision against underwater attack, and to this phase of the situation the experts are promptly applying themselves. It is altogether a matter of conjecture to what extent and in what direction other important changes will be made. They are apt to be comparatively minor in character, according to the judgment of conservative officers, but, on the other hand, they may be

radical, for all anyone can say to the contrary; in any event, they cannot be avoided as non-essential. Little thought appears to be given to a material change in the battery at least as to size of guns, despite the claim that our naval ordnance is of less range than some of the batteries of foreign ships. It is remarked by one expert that it is hardly worth while carrying heavier ordnance for the sake of getting a range of more than 12 or 15 miles, since there is no perceptible advantage of increasing the flight of the projectile beyond the distance of vision. As to speed there will probably always be a conflict, especially as to the necessity of its increase and despite the fact that additional speed has its uses in pursuit or in getting away from an enemy when the circumstances justify that avoidance. At this juncture and until there are some demonstrations, it will be impossible to anticipate in a definite way the new features of the next battleships to be built. But it will be appreciated that the expected engagement of the foreign vessels will have an uncommon significance which our naval designers will await with keen interest.

San Francisco Circular No. 119.

The following awards have been made by the depot quartermaster, San Francisco, Cal., under office circular No. 119:

- Bid 1. Langley & Michaels Co., 50 1st street, San Francisco, Cal.
- 2. California Steam and Plumbing Supply Co., 671 5th street, San Francisco, Cal.
- 4. U. S. Steel Products Co., Rialto Building, San Francisco, Cal.
- 6. Dunham, Carrigan & Hayden Co., 140 Kansas street, San Francisco, Cal.
- 8. Braun-Knecht-Heimann Co., 576 Mission street, San Francisco, Cal.
- 9. Fairbanks, Morse & Co., 651 Mission street, San Francisco, Cal.
- 10. U. S. Steel Products Co., Rialto Building, San Francisco, Cal.
- 11. Pacific Hardware and Steel Co., 7th and Townsend streets, San Francisco, Cal.
- 13. Pacific States Electric Co., 575 Mission street, San Francisco, Cal.
- Item 1, 1,000 boxes bluing, powdered, 4c box, bid 1.
- 2, 2 jacks, hydraulic, 10-tons capacity—\$50 each, bid 11.
- 3, 2 bottles, specific gravity—\$2 each, bid 8.
- 4, 1 set beakers, potash glass—55c set, do.
- 5, 3 pairs gloves, rubber, with gauntlets—\$2 pair, do.
- 6, 100 insulators, porcelain, Brunt—\$3.43 lot, bid 13.
- 7, 2 needles, 1 millimeter in diameter—\$1.55 each, bid 8.
- 8, 2 plates glass, reinforced—\$5.30 each, bid 9.
- 9, 8 plugs, electric, for us with primary cut-outs—29.7c each, bid 13.
- 10, 1 scale, Harvard trip balance—\$6.65, bid 8.
- 11, 1 sieve, brass frame, for cement testing—\$13, do.
- 12, 10 pieces steel, boiler plate, $\frac{1}{4}$ x48x96 inches—\$2.05 cwt, do.
- 13, 10 pieces do $\frac{3}{8}$ x48x96 inches—\$2.05 cwt, do.
- 14, 5 pieces do $\frac{1}{2}$ x48x96 inches—\$2.05 cwt, do.
- 15, 72 tees, malleable, galvanized iron, No. 119, 20c each, bid 2.

- 16, 1 thermometer, household—83c bid 8.
- 17, do, hot water—No award.
- 18, 48 wheels for Trimo pipe cutter No. 2—\$5.28 lot, bid 5.
- 19, 48 do, for Saunder's pipe cutter No. 2—\$3.84 lot, bid 6.
- 20, 12 do, for Trimo pipe cutter No. 3—\$1.80 lot, bid 5.
- 21, 3,000 pounds wire, BB, galvanized iron, No. 12—\$3.88 cwt, bid 4.
- 22, 5,000 pounds do, No. 9—\$3.66 cwt, do.

San Diego, Cal., Painting.

The following bids were received by the custodian, U. S. post office and court house, San Diego, Cal., for painting plastering in the U. S. post office and court house at San Diego, Cal.:

Item 1, for all painting in basement; 2, for all painting in first story; 3, for all painting in second story; 4, for all painting in third story; 5, for all painting in attic:

Grohne Contracting Co., Joliet, Ill., item 1, \$302; 2, \$761; 3, \$904; 4, \$817; 5, \$419.

Arenz-Warren Co., Los Angeles, Cal., item 1, \$290; 2, \$805; 3, \$1,220; 4, \$1,075; 5, \$175.

G. C. Hewitt, Los Angeles, Cal., item 1, \$710; 2, \$1,090; 3, \$1,440; 4, \$970; 5, \$380.

Herbert E. Zelinsky, Los Angeles, Cal., item 1, \$68; 2, \$435; 3, \$970; 4, \$860; 5, \$247.

W. H. Chase, San Diego, Cal., item 1, \$100; 2, \$825; 3, \$900; 4, \$750; 5, \$225.

May's Decorating Co., San Diego, Cal., item 1, \$35; 2, \$702; 3, \$1,110; 4, \$1,040; 5, \$113.

D. Lamont, San Diego, Cal., item 1, \$78; 2, \$710; 3, \$985; 4, \$737; 5, \$115.

The Simpson Construction Co., San Diego, Cal., item 1, \$141; 2, \$821; 3, \$1,063.50; 4, \$1,002; 5, \$215.50.

San Francisco, Cal., Furniture.

The following bids were received by the supervising architect, Treasury Department, Washington, D. C., for installing furniture in the U. S. post office and court house at San Francisco, Cal.:

John E. Sjostrom C., Philadelphia, Pa., \$3,287; 90 days.

Furnas Office and Bank Furniture Co., Indianapolis, Ind., \$4,149.50; 120 days.

Louck & Hill Co., Richmond, Ind., \$4,444; 90 days.

The Nelson Co., Brooklyn, N. Y., \$4,500; 90 days.

Jacob Beitzel & Sons, York, Pa., \$4,544; time not stated.

The Wollaeger Mfg. Co., Milwaukee, Wis., \$5,469; 100 days.

L. E. Emanuel, San Francisco, Cal., \$5,552; 60 days.

The M. Ohmer's Sons Co., Dayton, Ohio, \$6,288; 120 days.

Original Cabinet Co., Evanston, Ill., \$6,558.56; 130 days.

Bozeman, Mont., Post Office.

The bid of Olson & Johnson Company, Missoula, Mont., has been accepted for the construction, complete, of the U. S. post office at Bozeman, Mont., at prices as follows: Using limestone for all exterior stonework, except where granite is required, \$61,475; plus alternate 2, painting all plastered surfaces of walls and finishing ceilings in distemper, \$1,400; less alternate 4-X, substituting terrazzo for marble borders

ers and strips in public lobby, \$300; total, \$62,575; time, 15 months.

Puget Sound, Ward Building.

Under bids opened at the bureau of yards and docks, Navy Department for constructing three temporary ward buildings at Puget Sound hospital, the contract has been awarded to Bert Ward of Seattle, Wash., at \$12,614.75.

La Junta, Colo., Post Office.

The contract for the construction, complete, of the U. S. post office at La Junta, Colo., has been awarded to the George W. Stiles Construction Co., Chicago, Ill., as follows: Using limestone for all stonework, except where granite is required, \$75,834; plus alternate 1, substituting terrazzo for cement panels in the loggia floor, \$150; plus alternate 4, painting and sheeting of certain additional plaster surfaces, \$1,430; total, \$77,414; time, 15 months.

Denver, Colo., Post Office

The contract for miscellaneous work at the U. S. post office, Denver, Colo., has been awarded to Louis Van Dorp, Topeka, Kans., at \$7,040; time, July 15.

Electrical Material for Panama Canal.

Bids were opened by the purchasing officer of the Panama Canal, Washington, D. C., for furnishing a quantity of electrical material, consisting of outlet boxes, panel boards, and boxes, as follows:

Crouse-Hinds Co., Syracuse, N. Y., items 2, 3, 4, 5, and 6, total, \$321; shipment 6 working days.

Krantz Mfg. Co., 160 7th street, Brooklyn, N. Y., items 2, 3, 4, 5, and 6, \$299; delivery, 2 weeks.

National Electrical Supply Co., Washington, D. C., all items, \$395; delivery, 40 days.

Taunton-New Bedford Copper Co., Taunton, Mass., all items, \$336.50; delivery as specified.

Western Electric Co., 463 West street, New York City, item 1, \$56.15; items 2 to 6 inclusive, \$329.16; alternate on items 2 to 6, \$264.30; delivery, 30 days.

Greenfields Distribution System.

The Secretary of the Interior has approved the award of contract to O'Connor & Helean of Great Falls, Mont., for the construction of the Greenfields distribution system, Sun River project, Mont. Eleven proposals were received for this work, the bid of O'Connor & Helean, \$43,691.40, being the lowest. A gratifying feature in connection with the contract is that the price is considerably below the engineer's estimate made at the time the work was authorized. The low bid is due largely to a falling off in all prices for earthwork, owing to lack of employment at this time for teams and men in this locality. The contract calls for total excavations amounting to 385,400 cubic yards.

Canal Circulars 891 and 892.

The general purchasing officer of the Panama Canal, at Washington, has issued the following addenda to circulars 891 and 892:

Referring to the Panama Canal Circular No. 891, dated January 6, 1915, and Circular No. 892, dated January 9, 1915, bids to be opened February 24, 1915, the following is for the information of intending bidders:

"In view of the relationship existing between the equipment called for under Circular No. 891 and Circular No. 892, the Panama Canal reserves the right in making award under either circular to take into consideration the subject matter and adaptability of the equipment offered under bids submitted under the other circular, as in its judgment may be deemed to be the best interests of the government."

Bidders should attach a copy of this amendment to their proposals.

San Francisco, Cal., Telephone System.

The contract for installing an intercommunicating telephone system in the U. S. quarantine station, San Francisco, Cal., has been awarded to Kellogg Switchboard and Supply Co., at \$1,269.

Reclamation Service, Contract Approved.

The Secretary of the Interior has approved the contract between the Government and the Delta Enterprise ditch and F. C. Bonnell for the transfer to the former of the Enterprise ditch and certain flowage and seepage rights in the Uncompahgre Valley. The contract is in connection with a general plan for the unification of all important private irrigation systems in the valley with the Uncompahgre Valley project, and the transfer is effected by an exchange of water rights in the Government canals.

SAN FRANCISCO—Commanding Officer's quarters, 2 story, attic and base, brick. Cost not stated. Architect, Constructing Quartermaster's Office, Fort Mason. Owners, United States Government. Plans have been completed for the Commanding Officer's quarters to be erected at Fort Winfield Scott. The building will contain a large living room, five baths and private garage. Interior finish will be of pine and hardwood. Hardwood floors will be used in the principal rooms. There will be steam heat, a hot water circulating system and open fire places. Mantels will be of tile and brick. Bath rooms will be finished in tile and equipped with showers. Exclusive of the large porch the building will cover an area of 48 by 43½ feet. Exterior will be faced with pressed brick trimmed with terra cotta. Plans are complete and figures are being taken. Bids will be opened on February 16th. An official proposal appears in another column of this issue. Plans and specifications can be secured from the office of the Constructing Quartermaster at Fort Mason.

HALLS AND SOCIETY BUILDINGS.

SAN FRANCISCO—Club rooms alteration to Class A building, \$20,000. Architect, C. E. Gottschalk, Phelan Bldg., S. F. Owners, Crocker Estate. The 11th floor of the Shreve building at the northwest corner of Post and Grant avenue has been leased to the San Francisco Engineers' Club and will undergo extensive alterations. All partitions will be removed and the interior refinished to meet the needs of the organization. Plans are complete and figures are being taken.

OAKLAND, CAL.—Municipal Auditorium curtains, hangings and light fixtures. Cost not stated. Architect, Supervising Architect John J. Donovan,

Security Bank Bldg., Oakland. Owners, City of Oakland. Plans are complete and figures will be opened on February 11th for furnishing and installing the theatre curtains and hangings and for the electric light fixtures in the new Municipal Auditorium. Plans and specifications can be secured from the architect.

MONTEREY, MONTEREY CO., CAL.—Lodge hall, 2 and 3 story and base, reinforced concrete. Cost not stated. Architect, John Davis Hatch, Humboldt Bank Bldg., S. F. Owners, Monterey Lodge No. 217 F. and A. M. The building will be a part two and part three story reinforced concrete lodge building to be erected in Monterey for the Masonic Hall Association of Monterey. The building will be erected on a lot 36 by 90 feet running through from street to street. The General Fremont Headquarters will occupy one side of the building and the House of the Four Winds, the first Hall of Records in California, will occupy the other side of the building. The first floor will be arranged for a social hall and the second floor will contain lodge rooms and ante rooms, while a large banquet room will occupy the third floor. The exterior of the building will be faced with cement plaster. Plans are completed and figures are being taken.

HOTELS.

SAN FRANCISCO—Hotel alteration. Class C construction. Cost not stated. Architect, C. E. Gottschalk, Phelan Bldg., S. F. Owner, Lessee of the San Marco Hotel. The building at the northeast corner of Geary and Mason streets will undergo alterations. The main floor will be arranged for an attractive lobby and office. A mezzanine floor will be constructed. This work will include interior partitions, plastering, painting, plumbing, electric work, tile floor, ornamental plaster interior finish. The basement will be fitted up for a social room. Plans are nearly complete and figures will be called for shortly.

OAKLAND, CAL.—Hotel, 2 story and base, brick, \$7,000. Architect, John J. Donovan, Security Bank Bldg., Oakland. Owners, City of Oakland. The building will be erected at the corner of Eighth and Harrison streets and will be used in connection with the Municipal Wood Yard. The first floor of the building will contain an office, dining room and kitchen. Upper floor will be arranged for a number of rooms. Interior will be finished in pine throughout. There will be steam heat and a hot water system. Exterior of the building will be faced with stock brick. Plans are being prepared.

FRESNO, FRESNO CO., CAL.—Hotel, 2 story and base, brick and steel, \$50,000. Architect, R. L. Felchin, Fresno. Owner, Fulton G. Berry Estate. The building will be erected on J street, covering an area of 50 by 150 feet. Foundations and frame have been designed to carry additional stories. There will be an office and lobby on the ground floor while upper floors will be arranged for single rooms and baths. Interior will be finished in pine and hardwood. Bath rooms will have tile floors and wainscot. Plans system and a hot water supply. The provide for steam heat, oil burning

hotel will be conducted in connection with a hotel already in operation. Exterior of the building will be faced with pressed brick. Plans are complete and figures are being taken.

LOS ANGELES, CAL.—Hotel and stores, 2 story and base, brick. Cost not stated. Architect, none. Owner represented by E. Anderson, 950 West 37th Place, L. A. The building will be erected at the corner of Main and Jefferson streets and will cover an area of 137 by 219 feet. The building has been designed for a six-story structure. There will be 13 stores on the ground floor besides the hotel entrance and lobby. Upper floor will contain a total of 68 rooms and a number of baths. Interior will be finished in pine throughout. There will be steam heat and a hot water supply. Patent store fronts are specified. Exterior of the building will be faced with pressed brick. The carpentry work will be done by Day Labor. Mr. Anderson is now taking subfigures on all other parts of the work.

LIBRARIES.

SAN FRANCISCO—Library, 3 story and base. Class A construction, \$1,000,000. Architect, George William Kelham, Sharon Bldg., S. F. Owners, City and County of San Francisco. The Library Trustees have announced that bids will be opened on February 23rd for the excavating and concrete foundation work in connection with the construction of the main Library building to be erected in the Civic Center. Plans for the entire building are now practically complete and figures for the balance of the work will be called for as soon as bonds have been sold. Plans for the work now out for figures can be secured at the office of the architect.

LOS ANGELES, CAL.—Library, 1 story and base, brick, \$25,000. Architects, Kysor & Biggar, Wright and Callender Bldg., L. A. Owners, City of Los Angeles. Bids opened for this work show H. E. Larie, Watts, low on the general construction at \$22,949, and Cass-Smurr-Damerel Co., L. A., low on the heating and ventilating at \$1,375. Contracts have not been awarded. The building will cover an area of 48 by 100 feet.

POST OFFICES

LONG BEACH, LOS ANGELES CO., CAL.—Post office, 2 story and base, \$150,000. Architect, Supervising Architect Oscar Wenderoth, Washington, D. C. Owners, United States Government. The original appropriation for constructing the new Federal building at Long Beach has been reduced from \$308,000 to \$150,000. This amount is now available and construction will be started very shortly. The building will be a two story and basement fire-proof structure. Further notice will be given when bids are called.

RAILROAD CONSTRUCTION AND EQUIPMENT.

LOS ANGELES, CAL.—Railroad station, 1 and 2 story and base, reinforced concrete, \$260,000. Architects, Hunt & Burns, McLaughlin Bldg., L. A. Owners, Salt Lake Railroad Co. Preliminary plans have been prepared for

a large reinforced concrete passenger station which is to be erected on the east bank of the Los Angeles River south of Seventh street. In connection with the construction of this building the railroad company has asked the City Council for the vacation of parts of certain streets. This matter is now under consideration by the Street Committee and construction cannot be undertaken until this is settled. Further mention will be made of the work.

Contracts Awarded.

LOS ANGELES, CAL.—Commissary building and car shed, 2 story and base, brick, \$30,000. Engineer, Chief Engineer G. W. Harris, Kerchoff Bldg., L. A. Owners, Santa Fe Railroad Co. Contractor, A. W. Anson, 845 Third street, Santa Monica. Contract price, \$30,000.

RESIDENCES.

SAN FRANCISCO—Residence, 2 story, attic and base, frame, \$7,000. Architect, none. Owner, W. W. Rednall, 2500 Filbert street, S. F. The dwelling will be erected on the north side of Green street east of Lyon, and has been designed to contain ten rooms and three baths. A garage will occupy the basement. Interior finish will be of pine, redwood, hardwoods and white enamel. Hardwood floors will be used in the living room, dining room, library and reception hall. There will be furnace heat and open fire places. Mantels will be of brick and tile. Tile wainscot will be used in the bath rooms. An automatic water heater will be installed. Exterior of the house will be covered with rustic and cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor.

SAN FRANCISCO—Residence, 2 story and base, frame, \$3,000. Architect, none. Owner, Thomas Hamill, 268 25th avenue, S. F. The dwelling will be erected on the west side of 25th avenue south of Geary, and has been designed to contain six rooms and bath. Interior will be finished in pine, redwood and hardwood. Hardwood floors will be used in the living and dining rooms and reception hall. There will be open fire places and tile or brick mantels. An automatic water heater will be installed. Tile wainscot will be used in the bath room and kitchen. Exterior of the house will be covered with cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor. Materials are now being purchased.

SAN FRANCISCO—Residences, 3, 2 story and base, frame, \$3,000 each. Architect, none. Owner, C. A. Hall, 1318 5th avenue, S. F. These houses will be erected on 11th and 12th avenues south of Balboa street. Each has been designed to contain six rooms and bath. Interiors will be finished in pine, redwood and hardwood with some white enamel. Hardwood floors will be used in the principal rooms. There will be open fire places and tile and brick mantels. Bath rooms will have tile floors and wainscot. Automatic water heaters will be installed. Exteriors will be covered with cement plaster on metal lath. Plans are complete and in the hands of the owner who will

do the work by Day Labor. Materials are now being purchased.

SAN FRANCISCO—Residence, 2 story and base, frame, \$2,800. Architect, none. Owners, Nelson Bros., 1100 Diamond street, S. F. The dwelling will be erected on the east side of 18th avenue south of Geary and has been designed to contain seven rooms and bath. Interior finish will be of pine and redwood with some hardwood veneer. Hardwood floors will be used in the living room, dining room and reception hall. There will be open fire places and tile or brick mantels. Tile wainscot will be used in the bath rooms. An automatic water heater will be installed. Exterior of the house will be covered with rustic and cement plaster on metal lath. Plans are complete and in the hands of the owners who will do the work by Day Labor. Materials are now being purchased.

SAN FRANCISCO—Residence, 2 story and base, frame, \$2,500. Architect, none. Owner, Albert Whitman, 2321 Anza street, S. F. The house has been designed for a five-room dwelling and will be erected on the west side of 25th avenue north of Anza. Interior will be finished in pine and redwood. Hardwood floors will be used in the living and dining rooms. There will be an open fire place and tile or brick mantel. Tile wainscot will be used in the bath room and kitchen. Exterior of the house will be covered with cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor.

SAN FRANCISCO—Residence, 2 story and base, frame, \$2,750. Architect, none. Owner, A. R. Lapham, 511 12th avenue, S. F. The house has been designed to contain six rooms and bath, and will be erected on the east side of 11th avenue south of Balboa. Interior will be finished in pine and redwood. Some hardwood floors will be used. There will be a large open fire place in the living room. A brick mantel is specified. Tile wainscot will be used in the bath room and kitchen. An automatic water heater will be installed. Exterior of the house will be covered with rustic and cement plaster on metal lath. Plans are complete and in the hands of the owner. The work will be done by Day Labor.

OAKLAND, CAL.—Residence, 2 story and base, frame, \$4,500. Architect, Clay N. Burrell, Albany Bldg., Oakland. Owner, O. Neilson. The dwelling will be erected in the Linda Vista Tract, and has been designed to contain seven rooms, bath and sleeping porch. Interior will be finished in pine, redwood, hardwoods and white enamel. Hardwood floors will be used in the living room, dining room, reception hall and library. There will be furnace heat and open fire places. Mantels will be of brick or tile. An automatic water heater will be installed. Tile wainscot will be used in the bath room. Exterior of the house will be covered with cement plaster on metal lath. Plans are complete and the work will be done by Day Labor.

BERKELEY, ALAMEDA CO., CAL.—Residence, 2 story and base, frame, \$3,500. Architect, none. Owner, E. M. Marquis, 2827 Russell street, Berkeley. The dwelling has been designed for a six-room house with bath and sleep-

ing porch, and will be erected at the intersection of the Tunnel Road and Alvarado Road. Interior will be finished in pine and redwood with some hardwood veneer. Hardwood floors will be used in the living room, dining room and reception hall. There will be furnace heat and open fire places. Mantels will be of tile and brick. Tile wainscot will be used in the bath room. An automatic water heater will be installed. Exterior of the house will be covered with rustic and cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor. Materials are now being purchased.

PIEDMONT, ALAMEDA CO., CAL.—Residence, 2 story and base, frame. Cost not stated. Architect, John Hudson Thomas, First National Bank Bldg., Berkeley. Owner, G. Ross. The dwelling will be erected in Novo Piedmont, and has been designed for a seven-room house with bath and sleeping porch. Interior will be finished in pine, redwood and white enamel. Hardwood floors will be used in the living room, dining room and reception hall. Plans provide for furnace heat and open fire places. Mantels will be of tile and brick. An automatic water heater will be installed. Bath room will have tile wainscot and floor. Exterior of the house will be covered with cement plaster on metal lath. Plans are now being prepared.

OAKLAND, CAL.—Residence, 2 story and base, frame. Cost not stated. Architect, John Hudson Thomas, First National Bank Bldg., Berkeley. Owner, C. S. Cherry. The dwelling will be erected in Rockridge Park, and has been designed for a seven-room house with bath and sleeping porch. Interior will be finished in pine and redwood with some white enamel in the bed rooms. Hardwood floors will be used in the living room, dining room and reception hall. Plans provide for furnace heat and open fire places. Mantels will be of brick and tile. Tile wainscot will be used in the bath room. An automatic water heater will be installed. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are complete and figures are now being taken.

CORTE MADERA, MARIN CO., CAL.—Residence, 1 story and base, frame, \$2,500. Architect, none. Owner, James P. Fletcher, 1104 Ellis street, S. F. The dwelling has been designed for a five-room house with bath and sleeping porch. Interior will be finished in pine and redwood. Hardwood floors will be used in the living and dining rooms. There will be an open fire place and tile or brick mantel. Tile wainscot will be used in the bath room and kitchen. Exterior of the house will be covered with rustic and cement plaster. Plans are complete and in the hands of the owner who will do the work by Day Labor.

BURLINGAME, SAN MATEO CO., CAL.—Residence, 2 story and base, frame, \$75,000. Architects, Havens & Toepke, 46 Kearny street, S. F. Owner, Mr. Zellerbach. The architects state that, while plans for this large residence are complete, figures for the construction will not be taken until late in the spring. Some preliminary estimates have been made. The dwelling will be of frame and concrete construction, costing in the neighborhood of \$75,000.

SAN FRANCISCO. Residence, 2 story and base, frame, \$5,000. Architect, Edward G. Bolles, 660 Market street, S. F. Owners, S. A. Born Building Co., 660 Market street, S. F. The dwelling will be erected in Ashbury Terrace and has been designed to contain seven rooms and bath, and will cover an area of 28½ feet by 40 feet. Interior will be finished in pine, redwood and hardwoods with white enamel in the bed rooms. Hardwood floors will be used in the living and dining rooms. There will be furnace heat and open fire places. Mantels will be of tile and brick. Tile wainscot will be used in the bath. An automatic water heater will be installed. Exterior of the house will be covered with cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor. Materials are now being purchased.

BERKELEY, ALAMEDA CO., CAL.—Residence, 1½ story and base, frame, \$3,500. Architect, H. P. Smith, Blake Bldg., Oakland. Owner, P. O. Boyd. The dwelling has been designed for a seven-room house with bath and sleeping porch and will be erected in Boyd Court. Interior will be finished in pine, redwood and hardwoods. Hardwood floors will be used in the living room, dining room and reception hall. There will be furnace heat and open fire places. Mantels will be of tile and brick. Bath room will have tile wainscot. An automatic water heater will be installed. Exterior of the house will be covered with cement plaster on metal lath. Plans are complete and in the hands of the owner who is now taking subfigures on the work.

OAKLAND, CAL.—Residence, 2 story and base, frame. Cost not stated. Architect, John J. Donovan, Security Bank Bldg., Oakland. Owner, St. Leo's Parish. The dwelling has been designed for a parish house and will be erected at the corner of Piedmont and Ridgeway avenues. There will be eight rooms, two baths and sleeping porch. Interior will be finished in pine and redwood. Hardwood floors will be used in the principal rooms. Plans provide for furnace heat and open fire places. Mantels will be of tile or brick. An automatic water heater will be installed. Exterior of the house will be covered with rustic and cement plaster on metal lath. Plans are now being prepared.

SCHOOLS.

FRESNO, FRESNO CO., CAL.—State Normal school, 1 and 2 story and base, brick and steel. Cost not stated. Architect, State Architect George B. McJougall, Sacramento. Owners, State of California. Bids were opened on February 1st for the general construction of the main building, gymnasium and boiler house, and for the boiler plant equipment for the gymnasium and boiler house. The Winget Construction Co., Grant Bldg., L. A., were low on the general construction at \$248,641. Arthur Hess, L. A., was low on the plumbing, and Thomas Haverly Co., also of Los Angeles, was low on the boiler plant equipment. Contracts have not been awarded. A complete list of the figures submitted will be found under the heading of Fresno, Modesto and Central California in this issue.

BERKELEY, ALAMEDA CO., CAL.—University buildings. Class A construction, \$1,200,000. Architect, John Galen Howard, 604 Mission street, S. F. Owners, Regents of the University of California. Architect John Galen Howard announces that the preliminary plans for four of the new buildings to be erected on the University Campus at Berkeley are practically completed. These buildings are the new Chemistry Building, Agriculture Building, completion of the Library and a large class room building. The Library completion plans call for a modification of the present million dollar Doe Library so that it will be almost double its present size. Wings down the east and west sides will be finished and carried up four stories. An additional reading room will occupy the larger part of the east wing. The Library will be 135 feet long and 45 feet wide, and is expected to bring the seating capacity for the general study tables up to a thousand. The new reading room will be minus the luxurious marble and oak furnishings of the older room, but will be better lighted. There is also to be special reading rooms for various departments of the University, including history and engineering. There will also be space for several museums. The south front facing Sather gate is to be finished much as the present main entrance. The large class room building will be erected on the vacant space just inside Sather gate and west of South Hall. It will be 200 feet square and will have about an acre of floor space. It is expected to house the departments of political science, economics, history, mathematics and languages. It will be four stories high, if the present plans are followed, and will be similar to the Library in appearance, with an imposing front on the Sather gate side. A unique feature of this building will be the fact that each floor will be constructed independently of any partitions and will be a unit. This is similar to the present Hearst mining building, and will permit readjustment to meet needs as the University grows. Professor Howard and the regents are still in doubt as to whether an auditorium should be incorporated in the new building. The new Agriculture building will be the second of the group, which will ultimately contain four structures about a large court. The second building is aimed to house seven departments, and will be very similar in size and appearance to the first structure built three years ago. It will be built to the west and north of the present structure and will be the corner building of the greater University plan. The new Chemistry building will be constructed between the present venerable building and East Hall. The Chemistry group, when complete, will form a figure 8 with the present old building as the central crossbar of the figure. All of the new buildings will be finished in Raymond granite.

SAN FRANCISCO.—School fire escapes. Cost not stated. Architect, City Department of Architecture, Temporary City Hall, S. F. Owners, City and County of San Francisco. Bids were opened at Friday's meeting of the Board of Public Works for furnishing and installing fire escapes on five of the new city schools. The Golden Gate

Iron Works submitted the low figure on all five schools and will be awarded the contract. A complete list of the bids received will be found under the heading of San Francisco in this issue.

STOCKTON, SAN JOAQUIN CO., CAL.—School, 2 story and base, brick, \$65,000. Architects, Stone & Wright, 24 South California street, Stockton. Owners, City of Stockton. The building will be erected at the corner of North street and the Sacramento Road and has been designed to contain 12 class rooms, an assembly hall and departments of domestic science and manual training. Interior will be finished in pine and redwood. Maple floors will be used in the class rooms. There will be steam heat and modern school plumbing. Special ventilating system will be installed. Slate blackboards will be installed. Exterior of the building will be faced with stock brick trimmed with terra cotta. Plans are complete and figures are being taken. Bids will be opened on February 24th. Plans and specifications can be secured from the architects.

COLLEGE PARK, SANTA CLARA CO., CAL.—College building, 1 story and base, frame, \$20,000. Architect, W. J. Wythe, Central Bank Bldg., Oakland. Owners, College of the Pacific. The building has been designed for class rooms and dormitory. Interior will be finished in pine and redwood. Maple floors will be used in the class rooms. There will be steam heat and open fire places. Mantels will be of tile. A hot water system will also be installed. Exterior of the building will be covered with cement plaster on metal lath. Plans are now being prepared.

SALIDA, STANISLAUS CO., CAL.—School, 1 story and base, frame, \$8,000. Architect, Ernest J. Kump, Fresno. Owners, Salida School District. The building has been designed for a district school, and will contain three class rooms, teachers' room and toilets. Interior will be finished in pine throughout. Modern school plumbing will be installed. Exterior of the building will be covered with cement plaster on metal lath. Plans are now being prepared.

FRESNO, FRESNO CO., CAL.—School, 2 story and base. Class C construction, \$117,400. Architect, Eugene Mathewson, Forsyth Bldg., Fresno. Supervising architect, W. D. Coates, Rowell Bldg., Fresno. Owners, City of Fresno. Bids were opened on February 5th for the construction of the new Washington School. Trehwitt & Shields, Fresno, were low on the general construction at \$103,988; J. C. Hurley, San Francisco, low on the heating and ventilating at \$12,838, and Hughson & Merton, Fresno, low on the program clocks at \$1,097. Contracts have not been awarded. A complete list of these bids appears under the heading of Fresno, Modesto and Central California in this issue.

LOS ANGELES, CAL.—School, 2 story and base. Class A construction, \$45,000. Architect, A. C. Martin, Higgins Bldg., L. A. Owners, City of Los Angeles. The building will be erected on Macy street, and has been designed for an eight-room school with assembly hall and domestic science department. Interior finish will be of pine throughout. Maple floors will be used in the class rooms. There will be steam heat, modern school plumbing and a vacuum

cleaning system. Exterior of the building will be faced with pressed brick. Plans are now being prepared.

LOS ANGELES, CAL.—School, 1 story and base, hollow tile construction. Cost not stated. Architect, W. C. Fennell, Baker-Detwiler Bldg., L. A. Owners, Hawthorne School District. The building will cover an area of 175 by 75 feet. The building will contain eight class rooms, assembly hall, library, teachers' rooms, principal's office and departments for manual training and domestic science. Interior will be finished in pine with some maple floors. Plans provide for a central heating system and modern school plumbing. Program clocks and vacuum cleaning will be installed. Exterior of the building will be faced with cement plaster. Plans are complete and figures are now being taken. Bids will be opened on February 20th.

LOS ANGELES, CAL.—School, 2 story and base, brick. Cost not stated. Architects, Hudson & Munsell, Stimson Bldg., L. A. Owners, City of Los Angeles. The building will be erected on Staunton avenue, and has been designed to contain eight class rooms and an auditorium seating 250 people. Corridors and stairways will be of reinforced concrete. Interior finish will be of pine with maple floors in the class rooms. Plans provide for steam heat, modern school plumbing and vacuum cleaning system. Exterior of the building will be faced with pressed brick. Plans are being prepared.

REDONDO, LOS ANGELES CO., CAL.—School group, 1 and 2 story, hollow tile construction, \$135,000. Architects, Allison & Allison, Hibernian Bldg., L. A. Owners, Redondo School District. Bonds in the sum of \$150,000 have been voted and sold. No plans have been prepared and none of the details have been determined. Preliminary plans will be prepared by the architects at once. Further mention will be made of the work.

SAN FERNANDO, LOS ANGELES CO., CAL.—School group, 1 and 2 story, reinforced concrete, \$150,000. Architect, John C. Austin, Baker-Detwiler Bldg., L. A. Owners, San Fernando High School District. Bonds in the sum of \$150,000 have been voted and sold. The new buildings will include the auditorium, science hall and mechanics' building. The construction will be of reinforced concrete with plaster exterior and tile roofs to correspond with the present buildings. Plans are being prepared.

SILVERTON, ORE.—School, 2 story and base, brick, \$15,000. Architect, P. Chapell Browne, Mohawk Bldg., Portland. Owners, City of Silverton. The building will cover a ground area of 90 by 75 feet and has been arranged to contain ten class rooms and an auditorium to seat 250 people. The steam heating system installed in the former building will be used in the new. Interior finish will be of pine throughout. Modern school plumbing will be installed. Exterior of the building will be faced with pressed brick. Plans are complete and a general contract will be let.

STOCKTON, SAN JOAQUIN CO., CAL.—Dredger and bridges. Cost not stated. Engineer, County Surveyor, Stockton. Owners, San Joaquin County. The Board of Supervisors have adopted plans and specifications for

the type of dredger to be used in throwing up a grade for the Borden road, traversing the delta section and shortening the distance between Stockton and Oakland. Bids for the dredger will be received up to March 2nd. Plans for two bridges to be constructed along this road are now being completed.

Contracts Awarded.

RIO VISTA, SOLANO CO., CAL.—School, 2 story and base, brick, \$51,145. Architect, Henry C. Smith, Humboldt Bank Bldg., S. F. Owners, Rio Vista Joint Union High School District. Contractors, Construction and Engineering Co., S. F., general construction, \$45,938; Morgan & Co., S. F., heating and ventilating. Contract price, \$4,865; Standard Electric Time Co., S. F., program clocks, \$1,342, and Barton & Hite, Sacramento, electric fixtures, \$465.

SEWERS, STREET WORK & WATER SYSTEMS.

PORTLAND, ORE.—Cast iron pipe and pipe fittings. Cost not stated. Engineer, City Engineer, Portland. Owners, City of Portland. Plans are complete and figures are now being taken for furnishing the City of Portland with approximately 5,000 tons of cast iron pipe and pipe fittings. Bids will be received for the following quantities and sizes: 200 tons 6-inch, 1,000 tons 8-inch, 430 tons 12-inch, 600 tons 24-inch, 2,330 tons 30-inch and 50 tons of specials and fittings. The date for opening bids has not been set. Complete information can be had from the City Engineer.

FRESNO, FRESNO CO., CAL.—Incinerator, brick construction, \$60,000. Engineer's name not given. Owner, E. M. Prescott, Fresno. The proposition of E. M. Prescott, of the Fresno Brick and Tile Co., to build a \$60,000 incinerator has been accepted by the City Council. The Clerk has been instructed to advertise for bids.

WILLITS, MENDOCINO CO., CAL.—Sewers. Cost not stated. Engineer, City Engineer, Willits. Owners, City of Willits. The City Engineer has been instructed by the City Trustees to prepare plans and specifications for the construction of a system of storm sewers, which will cover a considerable area. After plans for sewers have been completed and the work finished, the paving of the new sewer district will be ordered.

STOCKTON, SAN JOAQUIN CO., CAL.—Road improvement, \$65,000. Engineer, County Surveyor Frank E. Quail, Stockton. Owners, San Joaquin County. County Surveyor Quail has about completed plans and specifications for the improvements to be made shortly on the Upper Sacramento and Mokelumne Hill roads in San Joaquin. Quail states that the work on the Upper Sacramento project will cost in the neighborhood of \$60,000. This improvement was recently advocated by the ranchers of that section before the Board of Supervisors. The Mokelumne Hill undertaking, according to the plans, will cost about \$6,000 or \$7,000.

BUTTE CO., CAL.—State Highway, \$81,592.98. Engineer, State Highway Commission, Forum Bldg., Sacramento. Owners, State of California. Bids were opened at the last meeting of the State Highway Commission for the

construction of Division 3, Route 3, Section C, of the State Highway in Butte County. Whitlock & Gorrell of San Francisco submitted the lowest figure at \$71,267.80. A contract has not been awarded. A complete list of the bids received will be found under the heading of Sacramento and Northern California in this issue.

SACRAMENTO, CAL.—Water main system, \$2,000,000. Engineers, Charles Gilman Hyde and G. H. Wilhelm, Sacramento. Owners, City of Sacramento. The City Commission instructed City Attorney Archibald Yell to prepare a contract for the employment of Charles Gilman Hyde and G. H. Wilhelm as consulting engineers to advise the city in the laying of new water mains for which bonds of two million dollars were voted.

LODI, SAN JOAQUIN CO., CAL.—Water system extension, \$2,700. Engineer, City Engineer, Lodi. Owners, City of Lodi. This city will extend its municipal water service to the newly annexed district in the western portion of the city. The City Trustees have authorized the purchase of the necessary material. The extension will cost about \$2,700.

POMONA, LOS ANGELES CO., CAL.—Ornamental cast iron lighting posts and lighting fixtures. Cost not stated. Engineer, Edward Baker, Superintendent of Streets, Pomona. Owners, City of Pomona. Ornamental cast iron electric light posts are to be installed on eight of the principal streets in Pomona. Plans are complete and the City Council has passed resolutions of intention calling for bids on the work. Complete information can be secured by addressing the Superintendent of Streets, Edward Baker, Pomona.

Contracts Awarded

FRESNO, FRESNO CO., CAL.—Electroliner system, \$36,973. Engineer, City Engineer, Fresno. Owners, City of Fresno. Contractors, Woodhill-Hulse Electric Co., L. A. Contract price, \$36,973.

STORES AND OFFICES.

SAN FRANCISCO—Stores, 1 story, frame, \$4,000. Architect, George L. Streshly, 2400 Van Ness avenue. Owner, Gus J. Pates. The building will be erected at the southwest corner of Moulton and Fillmore streets near the Exposition entrance, and will cover an area of 60 by 137½ feet. Interior will be finished in pine and redwood. Plate glass display windows will be installed. Exterior of the building will be covered with rustic. Plans are complete and the work will be done by Day Labor under the direction of the architect.

SAN FRANCISCO—Store and office alterations, 2 story, frame, \$15,000. Architect, G. Albert Lansburgh, 709 Mission street, S. F. Owner, Marian Lev-entritt. The building at the southeast corner of Mission and 22nd streets will be altered. The corner store will be occupied by the Owl Drug Co. Upper floor will be arranged for offices. Plans are complete and figures have been taken. A contract will be awarded in a day or two.

SAN FRANCISCO—Stores, 1 story, frame, \$2,500. Architect, George L. Streshly, 2400 Van Ness avenue. Owner, Harry P. Merritt. The building will be erected at the southeast corner of

Steiner and Chestnut streets, and has been designed for stores suitable for exposition displays. Interior will be finished in pine and redwood. Exterior of the building will be covered with cement plaster on metal lath. Plans are complete and the work will be done by Day Labor under the direction of the architect.

SACRAMENTO, CAL.—Bank and offices, 7 story and base. Class A construction. Cost not stated. Architect, R. A. Herold, Forum Bldg., Sacramento. Owners, Capitol National Bank. The building will be erected at the southeast corner of Seventh and J streets and will cover an area of 80 by 86 feet. Construction will be fireproof with a complete steel frame and walls of brick and concrete. Concrete floors and roof slabs will be used. Interior partitions will be of hollow tile. Metal window sash and frames are specified. The main floor, basement and a mezzanine floor will be occupied by the bank and will be finished in hardwoods, tile, marble and ornamental plaster. Special bank fixtures, coin and safe deposit vaults will be installed. Upper floors will be finished in pine and hardwood. There will be steam heat, elevator service and a vacuum cleaning system. Exterior of the building will be faced with pressed brick and terra cotta. Plans are nearly complete and figures will be called for shortly.

THEATRE, STORES AND APARTMENTS—3 story and base, brick. Cost not stated. Redondo, Los Angeles Co., Cal. Architect, L. B. Pemberton, Auditorium Bldg., L. A. Owner, L. J. Baumbach. The building will cover an area of 72 by 143 feet and will be arranged for stores and the theatre on the first floor. Upper floors will contain two and three room apartments. Interior will be finished in pine and redwood. The theatre portion will have ornamental plaster. There will be steam heat and a modern system of ventilation. Patent store fronts are specified. Exterior of the building will be faced with pressed brick. Plans are complete and figures are being taken.

THEATRES.

REDONDO, LOS ANGELES CO., CAL.—Theatre, stores and apartments, 3 story and base, brick. Cost not stated. Architect, L. B. Pemberton, Auditorium Bldg., L. A. Owner, L. J. Baumbach. The building will cover an area of 72 by 143 feet, and will be arranged for stores and the theatre on the first floor. Upper floors will contain two and three room apartments. Interior will be finished in pine and redwood. The theatre portion will have ornamental plaster. There will be steam heat and a modern system of ventilation. Patent store fronts are specified. Exterior of the building will be faced with pressed brick. Plans are complete and figures are being taken.

SEALED PROPOSALS

PROPOSALS FOR EXCAVATION AND CONCRETE.

EXCAVATION AND CONCRETE—Department of the Interior, United States Reclamation Service, Washington, D. C. Sealed proposals will be received at the office of the United States Reclamation Service, Provo, Utah, until 2 o'clock p. m. February 24, 1915, for construction involving 49,

000 yards of canal excavation and 3,670 yards of reinforced concrete. The work is located near Payson City, Utah, on the San Pedro, Los Angeles and Salt Lake Railroad and the Tintic branch of the Denver and Rio Grande Railroad. For particulars address the United States Reclamation Service at Provo, Utah, or Washington, D. C. A. P. DAVIS, director and chief engineer.

PROPOSALS FOR CANAL SUPPLIES.

PANAMA CIRCULAR 900—Proposals for Dynamite, Safety Fuse, Blasting Caps, Detonators, Electric Motors, Rack Pinion Quills, Cable Bells, Electric Valves, Structural Steel, Steel and Iron Castings, Pig Iron, Rail Frogs, Staybolt Iron, Track Spikes, Poultry Netting, Wrought Iron and Steel Pipe, Pipe Fittings, Slab Zinc, Solder, Showels, Garbage Can Covers, Water Coolers, Twist Drills, Reamers, Brooms, Life Preservers, Airbrake Hose, Rubber Tubing, Insulating Tape, Rubber Tires, Leather Belting, Rubber Belting, Sponges, Chamois Skins, Chair Seats, Twine, Rock Salt, Soap, Candles, Putty, Paint Remover, San Soda, Aqua Ammonia, Muriatic Acid, Linseed Oil, White Zinc, White Lead, Shellac, Enamel, Varnish, Paints, Lampblack, Memorandum Books, Scratch Pads, Paper, Crossties and Poplar Lumber.—Sealed proposals will be received at the office of the general purchasing officer, the Panama Canal, Washington, D. C., until 10:30 a. m. February 18, 1915, at which time they will be opened in public, for furnishing the above mentioned articles. Blanks and general information relating to this circular (No. 900) may be obtained from this office or the offices of the assistant purchasing agent, 1086 North Point street, San Francisco, Cal.; also from the U. S. engineer offices in the following cities: Seattle, Wash.; Los Angeles, Cal. F. C. BOGGS, major, corps of engineers, U. S. army, general purchasing officer.

PROPOSALS FOR ELECTRICAL APPARATUS.

ELECTRICAL APPARATUS—U. S. Reclamation Service, Los Angeles, Cal.—Sealed proposals will be received at the office of the U. S. Reclamation Service, 605 Federal Building, Los Angeles, Cal., until 2 p. m. February 12, 1915, for furnishing electrical apparatus for small power plant, Elephant Butte dam, Rio Grand project, N. M. For particulars address U. S. Reclamation Service, Los Angeles, Cal., or Washington, D. C.

NOTICE TO CONTRACTORS.

SEALED BIDS will be received by W. F. McClure, State Engineer, Forum Building, Ninth and K Streets, Sacramento, California, up to and including 12 o'clock, noon, Monday, March 1, 1915, said bids then and there to be publicly opened and read for furnishing all plant, materials, and labor, and doing the work required for the complete construction and erection of a building to be known as the "Superintendent's Residence," Southern California State Hospital, Patton, California, in accordance with the plans specifications therefor, copies of which may be obtained on application to the State Department of Engineering, Sacramento, California.

Such bids will be received for the Entire Work, and must be submitted on forms prepared and furnished by the State Department of Engineering. Cash, a bidder's bond, or a certified check in the sum of ten per centum (10%) of the amount of the bid must accompany each bid.

A deposit of Ten (\$10.00) Dollars will be required on plans and specifications, the deposit to be returned immediately on the return of the plans and specifications to the State Department of Engineering, at Sacramento, California, in good condition.

The State Department of Engineering reserves the right to reject any and all bids and to waive any informality in any bid received.

All bids must be addressed to W. F. McClure, State Engineer, Sacramento, California, and plainly marked on the envelope: "Proposal for Superintendent's Residence, Southern California State Hospital, Patton, California." (SIGNED) W. F. McCLURE, State Engineer. (*)

PROPOSALS FOR WATER SYSTEM.

PURSUANT to Resolution No. 9679 N. S. the Council of the City of Oakland will receive bids on Thursday, the 4th day of February, 1915, between the hours of 11 o'clock A. M. and 12 o'clock M. at the Council Chamber, City Hall Oakland, for the furnishing and installation of a water system along the Quay Wall between Myrtle and Clay streets in the City of Oakland, California, and at the expiration of the time named bids will be opened, examined and publicly declared in open session of the Council.

All proposals shall be accompanied by a check certified by a responsible bank, payable to the order of Frank M. Smith, City Clerk of the City of Oakland, in an amount not less than ten per cent (10%) of the aggregate of the proposal, which check and the amount therein mentioned shall be forfeited to and retained by the City of Oakland if the successful bidder fails to execute the contract in the required form and furnish the bonds required, as set forth in this notice.

The bidder to whom the contract is awarded will be required to enter into a contract for said work on or before ten (10) days from the award thereof, and all work to be completed within thirty (30) working days from the date of the contract unless prevented by inevitable accident, act of God, fire, strikes, or any other act or thing, beyond the control of the bidder. Work shall be commenced on or before ten (10) days from the award of contract.

All said materials, labor and workmanship required shall be in accordance with the plans and specifications on file in the office of the City Clerk, to which said plans and specifications reference is hereby made.

After the award and upon the execution of the agreement, the contractor shall at the same time execute to the City of Oakland and deliver to the Auditor a bond guaranteeing to the City of Oakland the faithful performance of the contract in an amount equal to twenty-five per cent (25%) of the amount named in the agreement. He shall likewise execute and deliver at the same time another and separate bond to protect any and all persons performing labor upon or furnishing materials to be used upon said work in an amount equal to fifty per cent (50%) of the amount named in the agreement.

Bidders will be furnished forms of proposals upon application to the City Clerk, and all proposals shall be made upon forms so furnished.

The Council reserves the right to reject any or all bids. Each bid shall bear the affidavit of the bidder, as required by Section 126 of the Charter of the City of Oakland.

FRANK M. SMITH,
City Clerk.

PROPOSALS FOR FOUNDATIONS.

FOUNDATIONS—Sealed proposals indorsed "Proposals for Foundations for Radio Towers" will be received at the naval station, Cavite, P. I., or at the bureau of yards and docks, Navy Department, Washington, D. C., until 11 o'clock a. m. March 13, 1915, and then and there publicly opened, for the construction of concrete and pile foundations for three 600-foot steel radio towers at the naval station, Cavite, P. I. Plans and specifications may be obtained on application to the bureau or to the commandant of the naval station named, H. R. STANFORD, chief of bureau.

PROPOSALS FOR BUILDING.

BUILDING—Sealed proposals indorsed "Proposals for two Bungalows" will be received at the bureau of yards and docks, Navy Department, Washington, D. C., until 11 o'clock a. m. February 20, 1915, and then and there publicly opened, for two bungalows for marine officers' quarters at the U. S. navy yard, Mare Island, Cal. Plans and specifications can be obtained on application to the bureau or to the commandant of the navy yard named, H. R. STANFORD, chief of bureau.

PROPOSALS FOR JETTY WORK.

JETTY WORK—U. S. Engineer Office, 602 Burke Building, Seattle, Wash.—Sealed proposals for furnishing and

delivering stone for jetty construction at Lone Tree, Wash., will be received at this office until **12 m. February 10, 1915**, and then publicly opened. Information on application. J. B. CAVANAUGH, major, engineers.

PROPOSALS FOR FOUNDATIONS.

FOUNDATIONS, RADIO TOWERS—Sealed proposals indorsed "Proposals for Foundations for Radio Towers" will be received at the naval station, Pearl Harbor, Hawaii, or at the bureau of yards and docks, Navy Department, Washington, D. C., until **11 o'clock a. m., February 27, 1915**, and then there publicly opened, for the construction of concrete foundations for three 600-foot steel radio towers at the naval station, Pearl Harbor, Hawaii. Plans and specifications may be obtained on application to the bureau or to the commandant of the naval station named. H. R. STANFORD, chief of bureau.

PROPOSALS FOR COFFERDAM.

COFFERDAM—U. S. Engineer Office, 602 Burke Bldg., Seattle, Wash.—Sealed proposals for excavation, removal of sections of an existing cofferdam and construction of a new cofferdam at the Puget Sound-Lake Washington lock site, Seattle, Wash., will be received at this office until **12 noon, February 17, 1915**, and then publicly opened. Information on application. J. B. CAVANAUGH, major, engineers.

PROPOSALS FOR FOUNDATIONS.

FOUNDATIONS—Sealed proposals indorsed "Proposals for Foundations for Radio Towers" will be received at the bureau of yards and docks, Navy Department, Washington, D. C., until **11 o'clock a. m. February 27, 1915**, and then there publicly opened, for the construction of nine foundations for radio towers at the United States naval reservation, Chollas Heights, San Diego, Cal. Plans and specifications may be obtained on application to the bureau. H. R. STANFORD, chief of bureau.

PROPOSALS FOR VACUUM CLEANERS.

VACUUM CLEANERS—Treasury Department, Office of the Supervising Architect, Washington, D. C.—Sealed proposals will be received at this office until **3 p. m. February 12, 1915**, and then opened for supplying the various public buildings under the control of the Treasury Department portable vacuum cleaners during the fiscal year ending June 30, 1915, in accordance with the specification, copies of which may be had at this office, in the discretion of the supervising architect. O. WENDEROTH, supervising architect.

NOTICE TO CONTRACTORS.

SEALED bids will be received by W. F. McClure, State Engineer, Forum Building, Sacramento, California, up to and including **12 o'clock, noon, Monday, March 1, 1915**, said bids then and there to be publicly opened and read for furnishing all plant, materials, and labor, and doing the work required for the complete construction and erection of a building to be known as the "Superintendent's Residence," Southern California State Hospital, Patton, California, in accordance with the plans and specifications therefor, copies of which may be obtained on application to the State Department of Engineering, Sacramento, California.

Such bids will be received for the Entire Work, and must be submitted on forms prepared and furnished by the State Department of Engineering.

Cash, a bidder's bond, or a certified check in the sum of ten per centum (10%) of the amount of the bid must accompany each bid.

A deposit of Ten (\$10.00) Dollars will be required on plans and specifications, the deposit to be returned immediately on the return of the plans and specifications to the State Department of Engineering at Sacramento, California, in good condition.

The State Department of Engineering reserves the right to reject any

and all bids and to waive any informality in any bid received.

All bids must be addressed to W. F. McClure, State Engineer, Sacramento, California, and plainly marked on the envelope: "Proposals for Superintendent's Residence, Southern California State Hospital, Patton, California." (Signed) W. F. McClure, State Engineer.

PROPOSALS.

OFFICE OF THE BOARD OF PUBLIC WORKS of the City and County of San Francisco.

Sealed proposals will be received at this office between the hours of **2 o'clock p. m. and 3 o'clock p. m., on Wednesday, the 10th day of February, 1915**, for doing the following work, to wit:

Furnishing and installing electric elevators, hydraulic lifts, etc., in the City Hall.

Progressive payments will be made.

Said work must be done in accordance with the specifications on file in the office of the Board of Public Works, to which reference is hereby made, and must be commenced within five (5) calendar days from the receipt of written notice from the Board of Public Works and completed within one hundred and eighty (180) calendar days thereafter.

The amount of bond for faithful performance of contract has been fixed at \$12,500.00.

All proposals offered must be accompanied by a check certified by a responsible bank, payable to the order of the Clerk of the Supervisors, for an amount not less than ten per cent of the aggregate of the proposal.

Printed proposal forms will be furnished gratuitously upon application at the office of the Architect, and all proposals must be made upon such forms.

The Board of Public Works reserves the right to reject any and all bids. By order of the Board of Public Works. F. J. CHURCHILL, Secretary.

NOTICE TO CONTRACTORS.

PANAMA-PACIFIC INTERNATIONAL EXPOSITION.

Due to the short time that now intervenes until the Opening Day of the Exposition, the Buildings and Grounds Committee will discontinue the practice of advertising for bids on construction work.

In the future, a notice, attached to the plans and specifications on which bids are desired, will be posted on the Bulletin Board located on the first floor of the Service Building near the entrance. Bids for all work posted on this Board will be taken and the contracts awarded within twenty-four hours.

By order of the Buildings and Grounds Committee.

WILLIAM H. CROCKER, Chairman. (*)

PROPOSALS FOR CANAL SUPPLIES.

PANAMA CIRCULAR 891—Proposals for Material for the Pumping Plant of Dry Dock No. 1, Balboa Terminals.—Sealed proposals will be received at the office of the general purchasing officer, the Panama Canal, Washington, D. C., until **10:30 a. m. February 24, 1915**, at which time they will be opened in public for furnishing the above mentioned articles. Blanks and general information relating to this circular (No. 891) may be obtained from this office or the office of the assistant purchasing agent, 1086 North Point street, San Francisco, Cal.; also from the engineer offices in the following cities: Seattle, Wash.; Los Angeles, Cal. F. C. BOGGS, major, corps of engineers, U. S. army, general purchasing officer.

PROPOSALS FOR CANAL SUPPLIES.

PANAMA CIRCULAR 892—Proposals for Valves and Accessories for Dry Dock No. 1, Balboa Terminals.—Sealed proposals will be received at the office of the general purchasing officer, the Panama Canal, Washington, D. C., until **11:30 a. m. February 24, 1915**, at which time they will be opened in public, for furnishing the above mentioned articles. Blanks and general information

relating to this circular (No. 892) may be obtained from this office or the office of the assistant purchasing agent, 1086 North Point street, San Francisco, Cal.; also from the U. S. engineer offices in the following cities: Seattle, Wash.; Los Angeles, Cal. F. C. BOGGS, major, corps of engineers, U. S. army, general purchasing officer.

PROPOSALS FOR STEEL TOWERS.

STEEL TOWERS—Sealed proposals, indorsed "Proposals for Steel Towers," will be received at the bureau of yards and docks, Navy Department, Washington, D. C., and at the U. S. naval station, Cavite, P. I., until **11 o'clock a. m. February 27, 1915**, and then there publicly opened for the construction and erection of three 600-foot steel towers at each of the following naval stations: San Diego, Cal.; Pearl Harbor, Hawaii, and Cavite, P. I. Plans and specifications may be obtained on application to the bureau or at the naval stations named upon deposit of \$25 as security for their return. H. R. STANFORD, chief of bureau.

NOTICE TO CONTRACTORS.

OFFICE CONSTRUCTING QUARTERMASTER, Fort Mason, Cal., 2nd February, 1915. SEALED PROPOSALS, in triplicate, for constructing Commanding Officers Quarters, including plumbing, heating, electric wiring and fixtures, at Fort Winfield Scott, California, will be received here until **11 A. M., 16th February, 1915**, and then opened. Plans, specification blank forms and necessary information can be obtained here. Deposit of \$10.00 required to insure return of plans, etc. Proposals to be inclosed in sealed envelopes and addressed to GEO. McK. WILLIAMSON, Lt. Col., Q. M. C. (*)

ROAD PLANS COMPLETED.

SEATTLE, Wash.—Plans have been completed by County Engineer A. P. Denton and filed with the Kings County Commissioners for the construction of the Mercer Island Road, proposed in the plans for bond road No. 15. The commissioners have set **2 P. M., February 8th**, as the time to open bids. The entire road around Mercer Island will cost in the neighborhood of \$80,000.

The Electric Way From San Francisco and Oakland To and Through The Sacramento Valley

Look Up The Rate On all Your Freight
Train Schedule Designed For Busy
Travelers



**OAKLAND,
ANTIOCH
& EASTERN
RAILWAY**

Through Redwood Canyon, Over
Rock Ballasted Road Bed, Automatic
Block Signals, Comfortable Steel
Coaches, Observation Cars.

TICKET OFFICES

Key Route Ferry in S. F., Sutter 2559.
40th & Shafter Ave. in Oak., Pied. 870.
3rd & I Streets in Sacramento Main 261.

HOTEL ALTERATION—Class C construction. Cost not stated. San Francisco. Architect, C. E. Gottschalk, Phelan Bldg., S. F. Owner, Lessee of the San Marco Hotel. The building at the northeast corner of Geary and Mason streets will undergo alterations. The main floor will be arranged for an attractive lobby and office. A mezzanine floor will be constructed. This work will include interior partitions, plastering, painting, plumbing, electric work, tile floor, ornamental plaster interior finish. The basement will be fitted up for a social room. Plans are nearly complete and figures will be called for shortly.

CLUB ROOMS ALTERATION TO CLASS A BUILDING—\$20,000. San Francisco. Architect, C. E. Gottschalk, Phelan Bldg., S. F. Owners, Crocker Estate. The 11th floor of the Shreve building at the northwest corner of Post and Grant avenue has been leased to the San Francisco Engineer's Club and will undergo extensive alterations. All partitions will be removed and the interior refinished to meet the needs of the organization. Plans are complete and figures are being taken.

RESIDENCE—2 story and base, frame, \$5,000. San Francisco. Architect, Edward G. Bolles, 660 Market street, S. F. Owners, S. A. Born Building Co., 660 Market street, S. F. The dwelling will be erected in Ashbury Terrace, and has been designed to contain seven rooms and bath and will cover an area of $28\frac{1}{2}$ by 40 feet. Interior will be finished in pine, redwood and hardwoods with white enamel in the bed rooms. Hardwood floors will be used in the living and dining rooms. There will be furnace heat and open fire places. Mantels will be of tile and brick. Tile wainscot will be used in the bath. An automatic water heater will be installed. Exterior of the house will be covered with cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor. Materials are now being purchased.

STORES—1 story, frame, \$4,000. San Francisco. Architect, George L. Streshly, 2400 Van Ness avenue. Owner, Gus J. Pates. The building will be erected at the southwest corner of Moulton and Fillmore streets near the Exposition entrance and will cover an area of 60 by $137\frac{1}{2}$ feet. Interior will be finished in pine and redwood. Plate glass display windows will be installed. Exterior of the building will be covered with rustic. Plans are complete and the work will be done by Day Labor under the direction of the architect.

STORE AND OFFICE ALTERATION—2 story, frame, \$15,000. San Francisco. Architect, G. Albert Lansburgh, 709 Mission street, S. F. Owner, Marian Leventritt. The building at the southeast corner of Mission and 22nd streets will be altered. The corner store will be occupied by the Owl Drug Co. Upper floor will be arranged for offices. Plans are complete and figures have been taken. A contract will be awarded in a day or two.

STORES—1 story, frame, \$2,500. San Francisco. Architect, George L. Streshly, 2400 Van Ness avenue. Owner, Harry P. Merritt. The building will be erected at the southeast corner of Steiner and Chestnut streets and

has been designed for stores suitable for exposition displays. Interior will be finished in pine and redwood. Exterior of the building will be covered with cement plaster on metal lath. Plans are complete and the work will be done by Day Labor under the direction of the architect.

SCHOOL FIRE ESCAPES—Cost not stated. San Francisco. Architect, City Department of Architecture, Temporary City Hall, S. F. Owners, City and County of San Francisco. Bids were opened at Friday's meeting of the Board of Public Works for furnishing and installing fire escapes on five of the new city schools. The Golden Gate Iron Works submitted the low figure on all five schools and will be awarded the contract. A complete list of the bids received will be found under the heading of San Francisco in this issue.

STORAGE AND TRANSFER WAREHOUSE—1 story and base, brick and steel, \$30,000. San Francisco. Architects, Cuninghame & Politeo, First National Bank Bldg., S. F. Owner, Walter E. Dean, leased to the City Delivery Co. The building will be erected at the corner of Jones and Eddy streets and will cover an area of $137\frac{1}{2}$ by $137\frac{1}{2}$ feet. There will be stores besides the storage space. Interior will be finished in pine throughout. Patent store fronts are specified. Exterior of the building will be faced with pressed brick. Plans are complete and figures are being taken.

City Bids Opened.

Bids Were Opened By the Board of Public Works for Fire Escapes on Five City Schools.

Bids were opened by the Board of Public Works at the Friday meeting for furnishing and installing fire escapes on five of the city schools. The Golden Gate Iron Works were low on all five jobs and will probably be awarded the contract. Bids were taken on the work as follows: (a) Rochambeau School; (b) Dudley Stone School; (c) Sherman School; (d) Emerson School, and (e) Laguna Honda School.

Fire Escapes, City Schools.

Golden Gate Iron Works—(a) \$1,250; (b) \$1,579; (c) \$1,477; (d) \$1,175; (e) \$1,290.
Rudgear-Merle Co.—(a) \$1,450; (b) \$2,600; (c) \$1,950; (d) \$1,550; (e) \$1,980.
Monarch Iron Works—(a) \$1,494; (b) \$2,719; (c) \$1,971; (d) \$1,663; (e) \$1,850.
Western Iron Works—(a) \$1,777; (b) \$3,069; (c) \$2,310; (d) \$2,250; (e) \$2,186.
Ralston Iron Works—(a) \$1,754; (b) \$2,989; (c) \$2,068; (d) \$1,727; (e) \$2,810.
Heckenroth & Schell—(a) \$1,955; (b) \$4,080; (c) \$2,725; (d) \$1,600; (e) \$1,952.
D. Graham—(a) \$2,000; (b) \$—; (c) \$2,100; (d) \$—; (e) \$—.
Vulcan Iron Works—(a) \$—; (b) \$2,578; (c) \$—; (d) \$—; (e) \$—.
Central Iron Works—(a) \$—; (b) \$—; (c) \$2,500; (d) \$2,247; (e) \$—.

CONTRACT FOR FUEL OIL.

A contract was entered into with the Standard Oil Co., of San Francisco, on December 16 for approximately 150,000 barrels of fuel oil, the estimated requirements for the Panama Canal during the ensuing year. This oil is

to be delivered at Balboa, as follows: In approximately 30,000-barrel lots, at \$1.03 per barrel; in approximately 60,000-barrel lots, at 92 cents a barrel; and in approximately 100,000-barrel lots, at 88 cents a barrel. The Panama Canal may require delivery in any of the lots specified above.

Building Contracts Awarded.

San Francisco

No.	Owner.	Contractor	Amt.
316	Blucher	Mager	1375
317	Loeser	Stockholm	4870
318	Argentine	Rector	360
319	Gantner	McLeran	3315
320	Morshead	Williams	68211
321	Same	Elder	28000
322	Same	Scott	5525
323	Same	Pinkerton	7900
324	Same	Sibley	2250
325	Same	Gen Elec	4000
326	Same	Clark	3190
327	Same	Judson	15835
329	Zinkand	Zinkand	3000
330	Vickery	Arlett	1300
331	Williams	Perry	2500
332	McClenahan	McClenahan	1500
333	Moresi	Moresi	1800
334	Tong Gin	Koller	1000
335	Lyon	Pockman	5000
336	Lyon	Pockman	5000
337	Glimm	Hemphill	1500
338	Coustette	Salso	700
339	Mertn	Martin	500
340	Hunt	Hunt	400
341	Am. Chiclé	Brumfield	1000
342	Kewas	James	400
343	Sculcock	Healing	400
344	Donegan	Collins	400
345	Russian Ch	Nechupey	450
346	Navi	Navi	1400
347	Holmgren	Holmgren	1500
348	Rosenberg	Grant	500
349	Yates	Yates	3900
350	Knudson	Prout	950
351	Crystal	Novelty	400
352	McFarland	Novelty	400
353	Howard	Coburn	8150
354	Kruger	Crothers	1666
355	Kruger	Crothers	1666
356	Cafe Rex	Hansen	11550
357	Pac G & E Co.	Duncanson	2500
358	France	MacRorie	4000
359	Hall	Hall	3000
360	Hall	Hall	3000
361	Hall	Hall	3000
362	Mullen	Mullen	1000
363	Mullen	Mullen	1000
364	Burbank	Barker	500
365	Laumelster	Lorenz	500
366	Green	Green	2500
367	Edelman	Zane	1000
368	Whitman	Whitman	2500
369	Nelson	Nelson	2800
370	Lapham	Lapham	2750
371	Wright	Wilkie	450
372	Ayers	Ayers	500
373	Vogel	Lang	400
374	Lecato	Polati	700
375	Rudebeck	Ellingson	1620
376	Cammet	Cleese	3200
377	Yates	Yates	3900
378	Sells	Elvin	1255
379	Wells Fargo	Carnahan	14792
380	Hemphill	Elvin	1850
381	Bohligh	Cavaglieri	9000
382	Daly	Cavaglieri	4375
383	Westlake	Gibbs	1550
384	Same	Wallen	12800
385	Same	Victor Eng	755
386	Moresi	Johnson	1995
387	Duggan	Brodick	500
388	Ames	Smith	500
389	Wells Fargo	Dryfus	500
390	Burke	Burke	700
391	Rednall	Rednall	7000
392	Schroeder	Schroeder	17500
393	De Luca	De Luca	750
394	Monson	Monson	1800
395	McClenahan	McClenahan	1500
396	Solomone	Solomone	1500
397	Hamill	Hamill	2700
398	Blum	Blum	800
399	Comis	Porter	750
400	Hjul	Hjul	27500
401	Born	Born	5000
402	Sperry	Clinton	37460
403	Chambers	Helbing	4635
404	Meredith	S F Bldg Co	1350

ALTERATIONS

(316) SE FILLMORE & MOULTON S 34-6xE 137-6. All work except store front and finish painting and papering for alterations to two-story frame building.

Owner.....Emma K. Blucher, 3216 Fillmore, San Francisco.
 Architect...Wm. Mooser, Nevada Bk. Bldg., San Francisco.
 Contractor..Mager Bros., 110 Jessie, San Francisco.

Filed Feb. 1, '15. Dated Jan. 30, '15.
 One-half work done.....\$500
 Completed and accepted..... 531
 Usual 35 days..... 344
 TOTAL COST, \$1375

Bond, none. Limit, without delay.
 Forfeit, \$5. Plans and specifications filed.

ALTERATIONS AND ADDITIONS

(317) NO. 20 CHERRY. Alterations and additions to main entrance of residence.

Owner.....Robt. M. Loeser, Premises.
 Architect...Houghton Sawyer, Shreve Bldg., San Francisco.
 Contractor..Stockholm & Allyn, 180 Jessie, San Francisco.

Filed Feb. 2, '15. Dated Dec. 2, '14.
 On completion 75%
 Usual 35 days..... 25%
 TOTAL COST, \$4870

Bond, \$2435. Surety, The Aetna Accident & Liability Co. Limit, as soon as possible. Forfeit, none. Plans and specifications filed.

GAS HEATING SYSTEM

(318) EXPOSITION SITE. All work for Rector system of gas heating for Argentine Exhibit Building.

Owner.....Exposition Commission Republic of Argentine.
 Architect...None.

Contractor..Rector System Gas Heating Co., 331 Sutter, S. F.
 Filed Feb. 2, '15. Dated Jan. 5, '15.
 Roughed in 37½%
 Radiators and motor delivered and set up 37½%
 Upon completion 25 %
 TOTAL COST, \$1500

Bond, limit, forfeit, plans and specifications, none.

EXPOSITION BOOTH

(319) EXPOSITION SITE. All work for exposition booth.

Owner.....Gantner & Mattern Co., Post and Grant Ave., S. F.
 Architect...Louis M. Upton.
 Contractor..McLeran & Peterson, Sharon Bldg., S. F.

Filed Feb. 2, '15. Dated Jan. 2, '15.
 Frame up, floors in place ready for mill finish.....\$829
 Ready for painting..... 829
 Completed and accepted..... 828
 Usual 35 days..... 829
 TOTAL COST, \$3315

Bond, none. Limit, 14 days from Feb. 2, 1915. Forfeit, plans and specifications, none.

APARTMENT HOUSE

(320) SW CALIFORNIA AND MASON W 77-6xS 60. Carpentry, cement, stone, dampproofing, deafening, doors flooring, door and window frames, glass, glazing, granite, interior finish, iron work, loam, lath, plastering, roofing, sash, sheet metal, stairs, (terra cotta hollow tile) and tile work for seven-story Class "A" apartment house.

Owner.....S. W. Morshead, Mills Bldg., San Francisco.
 Architect...Houghton Sawyer, Shreve Bldg., San Francisco.

Contractor..Williams Bros. & Henderson, Holbrook Bldg., S. F.
 Filed Feb. 2, '15. Dated Nov. 10, '14.

On 1st of each month..... 75%
 Usual 35 days..... 25%

TOTAL COST, \$68,211
 Bond, \$34,106. Surety, Pacific Coast Casualty Co. Limit, 90 days after notification. Forfeit, \$50. Plans and specifications filed.

(321) CONCRETE, BRICK, TERRA cotta flue lining, steel reinforcement, hydrated lime waterproofing, etc., on above.

Contractor..George Elder.
 Filed Feb. 2, '15. Dated Oct. 22, '14.
 Payments same as above.....

TOTAL COST, \$28,000
 Bond, \$14,000. Surety, Southwestern Surety Insurance Co. Limit, as required. Forfeit, \$50. Plans and specifications filed.

(322) HEATING ON ABOVE.

Contractor..Scott Co., 243 Minna, San Francisco.

Filed Feb. 2, '15. Dated Jan. 6, '15.
 Payments same as above.....

TOTAL COST, \$5525
 Bond, \$2765. Surety, Pacific Coast Casualty Co. Limit, as required. Forfeit, \$50. Plans and specifications filed.

(323) PLUMBING WORK ON ABOVE.

Contractor..Jas. H. Pinkerton Co., 110 Jessie, San Francisco.

Filed Feb. 2, '15. Dated Nov. 20, '14.
 Payments same as above.....

TOTAL COST, \$7900
 Bond, \$3950. Surety, Fidelity & Deposit Co. of Maryland. Limit, as required. Forfeit, \$50. Plans and specifications filed.

(324) CLEARING OF SITE, EXCAVATION, grading, etc., on above.

Contractor..Sibley Grading & Teaming Co., 110 Jessie, S. F.

Filed Feb. 2, '15. Dated Jan. 6, '15.
 Payments same as above.....

TOTAL COST, \$2250
 Bond, \$1125. Surety, Massachusetts Bonding & Insurance Co. Limit, 25 days. Forfeit, \$20. Plans and specifications filed.

(325) WIRING SYSTEM ON ABOVE.

Contractor..General Elec. Constr. Co., 219 Minna, San Francisco.

Filed Feb. 2, '15. Dated Nov. 12, '14.
 Payments same as above.....

TOTAL COST, \$4000
 Bond, \$2000. Surety, United States Fidelity & Guaranty Co. Limit, as required. Forfeit, \$50. Plans and specifications filed.

(326) MANUFACTURING AND DELIVERING OF terra cotta work on above.

Contractor..N. Clark & Sons, 116 Natoma, San Francisco.

Filed Feb. 2, '15. Dated Dec. 19, '14.
 Payments same as above.....

TOTAL COST, \$3190
 Bond, \$1595. Surety, Massachusetts Bonding & Insurance Co. Limit, 60 days. Forfeit, none. Plans and specifications filed.

(327) STRUCTURAL STEEL WORK, cast iron bases, erecting of same on above.

Contractor..Judson Mfg. Co., 819 Folsom, San Francisco.

Filed Feb. 2, '15. Dated Oct. 9, '14.
 Payments same as above.....

TOTAL COST, \$15,835
 Bond, \$8000. Surety, American Surety

Co. Limit, 75 days. Forfeit, \$50. Plans and specifications filed.

ALTERATIONS

(329) NO. 434 TENTH AVE. Move and alter frame flats.

Owner.....Ed. Zinkand, Premises.
 Architect...None.
 Contractor..Ed. Zinkand & Son, Prem.
 COST, \$3000

ALTERATIONS

(330) NO. 550 SUTTER. Alter brick studio.

Owner.....Vickery, Atkins & Torrey Premises.

Architect...None.
 Contractor..Arthur Arlett, 251 Sutter, San Francisco.

COST, \$1200

FRAME DWELLING

(331) E TWENTY-SECOND AVE 200 S Anza. Two-story and basement frame dwelling.

Owner.....G. R. Williams, 585 Monadnock Bldg., S. F.

Architect...W. E. Jones, 109 Noe, San Francisco.

Contractor..Jones & Perry, 109 Noe, San Francisco.

COST, \$2500

FRAME STORE

(332) S CHESTNUT 137-6 E Pierce. One-story frame store.

Owner.....T. W. McClenahan.
 Architect...D. B. Kearns, 251 Kearny, San Francisco.

Day's work. COST, \$1500

ALTERATIONS

(333) SW McALLISTER & BAKER. Remove partitions, lay concrete floor and alter front.

Owner.....Mrs. A. C. Moresi, Oakland.
 Architect...Bliss & Faville, Balboa Bldg., San Francisco.

Day's work. COST, \$1800

ALTERATIONS

(334) NO. 149 POWELL. Alter restaurant.

Owner.....Tong Gin, 910 Clay, S. F.
 Architect...Morris M. Bruce, 1281 Flood Bldg., San Francisco

Contractor..Chas. Koller, 1529 Hampshire, San Francisco.

COST, \$1000

FRAME DWELLING

(335) LINCOLN MANOR LOT 32. Two story and basement frame dwelling.

Owner.....Lyon & Hoag, 37th Ave & Geary, San Francisco.

Architect...Coates & Traver, Head Bldg., San Francisco.

Contractor..Pockman & Co., 37th Ave and Geary, S. F.

COST, \$5000

FRAME DWELLING

(336) LINCOLN MANOR Lot 27. Two story and basement frame dwelling.

Owner.....Lyon & Hoag, 37th Ave & Geary, San Francisco.

Architect...Coates & Traver, Head Bldg., San Francisco.

Contractor..Pockman & Co., 37th Ave and Geary, S. F.

COST, \$5000

FRAME STORES AND RESTAURANT

(337) SE FRANCISCO & VAN NESS Ave. One-story frame stores and restaurant.

Owner.....W. L. Glimm and E. C. Hemphill, 920 Leavenworth

Architect...John A. Ettler, 604 Mission, San Francisco.
Day's work. COST, \$1500

FRAME STORE

(338) NO. 3227 SCOTT. One-story frame store.
Owner.....H. P. Coustette, Premises.
Architect...None.
Contractor...G. Salso, 2801 Greenwich, San Francisco.
COST, \$700

FRAME GARAGE

(339) FOREST HILL Lot 23 Blk 15. One-story frame garage.
Owner.....Carl W. Martin, 358 Pacheco, San Francisco.
Architect...None.
Day's work. COST, \$500

ALTERATIONS

(340) NO. 2217 VAN NESS AVE. Extend basement and alter front.
Owner.....J. H. Hunt (Lessee), Prem.
Architect...None.
Day's work. COST, \$400

ROOF SIGN

(341) W BATTERY 300 S Broadway. Electric roof sign.
Owner.....American Chic Co., Prem.
Architect...None.
Contractor...Brumfield Elec. Sign Co., 18 7th, San Francisco.
COST, \$1000

FRAME STORE

(342) E FILLMORE 22 S Broadway. One-story frame store.
Owner.....B. M. Kewas, 1026 Fillmore, San Francisco.
Architect...None.
Contractor...J. C. James, 154-A Langton, San Francisco.
COST, \$400

ALTERATIONS

(343) NO. 235 GRAFTON. Alter dwlg.
Owner.....W. Sculock, 121 Delmar, San Francisco.
Architect...None.
Contractor...George Healing, 110 Jessie San Francisco.
COST, \$400

ALTERATIONS

(344) N McALLISTER 75 W Van Ness Ave. Alter cafe.
Owner.....E. C. Donegan, 324 Pacific Bldg., San Francisco.
Architect...None.
Contractor...J. Collins, 581 Waller, San Francisco.
COST, \$400

ALTERATIONS

(345) NO. 904 RHODE ISLAND. Alter Sunday School.
Owner.....Russian Baptist Church, Premises.
Architect...None.
Contractor...S. Nechupey, 1040 De Haro, San Francisco.
COST, \$450

FRAME DWELLING

(346) E LISBON 100 N Athens. One-story and basement frame dwelling.
Owner.....L. Navi, 475 Lisbon, S. F.
Architect...None.
Day's work. COST, \$1400

FRAME DWELLING

(347) E CORDOVA 100 N Athens. One-story and basement frame dwelling.

Owner.....Victor Holmgren, 45 Cordova, San Francisco.
Architect...None.
Day's work. COST, \$1500

FRAME STORE

(348) E SCOTT 50 S Chestnut. One-story frame store.
Owner.....W. Rosenberg & A. Berin, 1396 McAllister, S. F.
Architect...Plans by Contractor.
Contractor...W. E. Grant, 1032 Irving, San Francisco.
COST, \$500

FRAME DWELLING

(349) E TWENTY-FIRST AVE 54 S Lake. Two-story and basement frame dwelling.
Owner.....Jeanette Yates, 335 21st Ave., San Francisco.
Architect...None.
Contractor...Wm. F. Yates, 335 21st Ave., San Francisco.
COST, \$3900

ALTERATIONS

(350) N SACRAMENTO 251 W Taylor. Alter stairs and rooms, install wall beds, lay hardwood floors, install water heating system and gas radiator heating system in flats.
Owner.....P. J. Knudson, 214 Front, San Francisco.
Architect...None.
Contractor...J. Prout, 2020 Turk, S. F.
COST, \$950

ELECTRIC SIGN

(351) PHELAN BUILDING. Electric sign.
Owner.....Crystal Catering Co., Prem.
Architect...None.
Contractor...Novelty Elec. Sign Co., 165 Eddy, San Francisco.
COST, \$400

ELECTRIC SIGN

(352) NO. 661 GOLDEN GATE AVE. Electric sign.
Owner.....Osen McFarland Co., Prem.
Architect...None.
Contractor...Novelty Elec. Sign Co., 165 Eddy, San Francisco.
COST, \$400

APARTMENTS AND GARAGES

(353) E MASONIC AVE 62 S Hayes S 75-6 E 21-0 1/2 NE 76 m or 1 W 32-6% W A 653. All work for two-story frame apartments and garages.
Owner.....F. R. Howard, 717 Divisadero, San Francisco.
Architect...P. H. Bosworth.
Contractor...Ira W. Coburn, Inc., 547 Brannan, San Francisco.
Filed Feb. 3, 15. Dated Feb. 1, '15.
Frame up and roof on.....\$2037.50
Brown coated and enclosed... 2037.50
Completed and accepted.... 2037.50
Usual 35 days..... 2037.50
TOTAL COST, \$8150.00
Bond, \$4075. Surety, National Surety Co. Limit, 90 days. Forfeit, \$10.
Plans and specifications filed.

COTTAGE AND GARAGE

(354) S JUDAH 82-6 W 13th Ave W 25xS 100. All work except plumbing, painting, mantel, gas fixtures, shades and finish hardware for four-room cottage and garage.
Owner.....S. E. Kruger, 1223 10th Ave., San Francisco.
Architect...None.

Contractor...F. Crothers, 1426 10th Ave., San Francisco.
Filed Feb. 3, '15. Dated Jan. 28, '15.
Roof rafters up.....\$416.50
Brown coated 416.50
Completed and accepted.... 416.50
Usual 35 days..... 416.50
TOTAL COST, \$1666.00

Bond, none. Limit, 60 days after Feb. 10. Forfeit, none. Plans and specifications filed.

COTTAGE AND GARAGE

(355) S JUDAH 107-6 W 13th Ave W 25xS 100. All work except plumbing, painting, mantel, gas fixtures, shades and finish hardware for four-room frame cottage and garage.
Owner.....S. E. Kruger, 1223 10th Ave., San Francisco.
Architect...None.
Contractor...F. Crothers, 1426 10th Ave., San Francisco.
Filed Feb. 3, '15. Dated Jan. 28, '15.
Roof rafters up.....\$416.50
Brown coated 416.50
Completed and accepted.... 416.50
Usual 35 days..... 416.50
TOTAL COST, \$1666.00
Bond, none. Limit, 60 days after Feb. 10. Forfeit, none. Plans and specifications filed.

ALTERATIONS

(356) NW STOCKTON & O'FARRELL. Alterations and additions to cafe.
Owner.....The Cafe Rex.
Architect...G. Albert Lansburgh, M. A. Gunst Bldg., S. F.
Contractor...F. L. Hansen, M. A. Gunst, Bldg., San Francisco.
Filed Feb. 3, '15. Dated Feb. 3, '15.
On March 1st 60% of amount of work done up to this date....
Completed and accepted, 75% of contract less previous payment
Usual 35 days.....\$2887.50
TOTAL COST, \$11,550.00

Bond, \$6000. Surety, Fidelity & Deposit Co. of Maryland. Limit, March 9, 1915. Forfeit, none. Plans and specifications filed.

CONCRETE FOUNDATION

(357) BLK BDED BY POWELL, Mason, Beach and Jefferson. All work for concrete and pile foundations for gas compressors.
Owner.....Pacific Gas & Electric Co., 445 Sutter, San Francisco.
Architect...None.
Contractor...Duncanson-Harrelson Co., Inc. Chronicle Bldg., S. F.
Filed Feb. 3, '15. Dated Feb. 2, '15.
On completion 75%
Usual 35 days..... 25%
TOTAL COST, \$2555

Bond, \$1280. Surety, Massachusetts Bonding & Insurance Co. Limit, 14 days after notification. Forfeit, none. Plans and specifications filed.

LOAM, ETC., FOR GARDEN

(358) EXPOSITION SITE. Furnishing loam and supplying and installing trees and plants for French Pavilion Garden.
Owner.....French Government.
Architect...None.
Contractor...Mac Rorie - McLaren Co., 830 Market, San Francisco.
Filed Feb. 3, '15. Dated Jan. 22, '15.
Plants delivered\$1000
Plants installed & lawns seeded 2000
Usual 35 days..... 1000
TOTAL COST, \$4000
Bond, none. Limit, 20 days after notified. Forfeit, none. Plans only filed.

FRAME DWELLING

(359) E ELEVENTH AVE 125 S Balboa. Two-story and basement frame dwelling.

Owner.....C. A. Hall, 1318 5th Ave., San Francisco.

Architect...None.

Day's work. COST, \$3000

FRAME DWELLING

(360) E TWELFTH AVE 150 N Balboa. Two-story and basement frame dwelling.

Owner.....C. A. Hall, 1318 5th Ave., San Francisco.

Architect...None.

Day's work. COST, \$3000

FRAME DWELLING

(361) E ELEVENTH AVE 100 S Balboa. Two-story and basement frame dwelling.

Owner.....C. A. Hall, 1318 5th Ave., San Francisco.

Architect...None.

Day's work. COST, \$3000

FRAME DWELLING

(362) S MULLEN 230 E Alabama. One story and basement frame dwelling.

Owner.....Mary F. Mullen, 401 Buchanan, San Francisco.

Architect...None.

Day's work. COST, \$1000

FRAME DWELLING

(363) S MULLEN 205 E Alabama. One story and basement frame dwelling.

Owner.....Mary F. Mullen, 401 Buchanan, San Francisco.

Architect...None.

Day's work. COST, \$1000

ALTERATIONS

(364) W STOCKTON 60 N Post. Minor alterations to hotel.

Owner.....B. Burbank, Post and Stockton, San Francisco.

Architect...None.

Contractor..J. G. Barker, 182 2nd, S. F. COST, \$500

ALTERATIONS

(365) NW FILLMORE & LOMBARD. Alter saloon and cafe.

Owner.....C. S. Laumeister Jr., 1422 Hyde, San Francisco.

Architect...None.

Contractor..F. W. Lorenz, 464 Jessie, San Francisco. COST, \$500

ROOF SIGN

(366) NO. 228 EMBARCADERO. Roof sign.

Owner.....J. Chas. Green Co., 273 Valencia, San Francisco.

Architect...None.

Day's work. COST, \$2500

FRAME STORES

(367) W VAN NESS AVE 30 N Lombard. One-story frame stores.

Owner.....M. Edelman, 1017 Howard, San Francisco.

Architect...None.

Contractor..W. B. Zane, 114 Russ, San Francisco. COST, \$1000

FRAME DWELLING

(368) W TWENTY-FIFTH AVE 25 N Anza. Two-story and basement frame dwelling.

Owner.....Albert Whitman, 2321 Anza, San Francisco.

Architect...None.

Day's work. COST, \$2500

FRAME DWELLING

(369) E EIGHTEENTH AVE 50 S Geary. Two-story and basement frame dwelling.

Owner.....Nelson Bros., 1100 Diamond, San Francisco.

Architect...None.

Day's work. COST, \$2800

DWELLING AND GARAGE

(370) E ELEVENTH AVE 25 S Balboa. Two-story and basement frame dwelling and garage.

Owner.....A. R. Lapham, 511 12th Ave., San Francisco.

Architect...None.

Day's work. COST, \$2750

REPAIRS

(371) N FOLSOM 100 W Eighth. Repair fire damage.

Owner.....J. W. Wright, 328 Montgomery, San Francisco.

Architect...None.

Contractor..Frank A. Wilkie, 519 California, San Francisco. COST, \$450

FRAME STORE

(372) SW GREEN AND VAN NESS Ave. One-story frame store.

Owner.....C. L. Ayers, 1006 Page, San Francisco.

Architect...None.

Day's work. COST, \$500

ALTERATIONS

(373) S PACIFIC AVE 137-6 W Webster. Alter front.

Owner.....E. J. Vogel, 2335 or 75 Pacific Ave., S. F.

Architect...None.

Contractor..L. B. Lang, Fillmore and Clay, San Francisco. COST, \$400

FRAME STORES

(374) S CHESTNUT 150 E Fillmore. One-story frame stores.

Owner.....P. Lecato, 9 Imperial Ave., San Francisco.

Architect...None.

Contractor..G. Polati, 2371 Greenwich, San Francisco. COST, \$700

STORE AND FLATS

(375) NW DOUGLASS AND 19TH N 25xW 91-4. Alterations and additions except excavation, concrete, cement, terrazzo steps, marble work, painting, plastering, electric fixtures and shades for three-story and basement frame store and flats.

Owner.....R. J. and B. Rudebeck, 4596 18th, San Francisco.

Architect...Chas. J. Rousseau, 46 Kearny, San Francisco.

Contractor..Ellingson & Holt, 3854 Army, San Francisco.

Filed Feb. 4, '15. Dated Feb. 3, '15.

Roughed in\$600

Completed and accepted..... 615

Usual 35 days..... 405

TOTAL COST, \$1620

Bond, none. Limit, as quickly as possible. Forfeit, none. Plans and specifications filed.

FRAME RESIDENCE

(376) S GEARY 82-6 W 17th Ave W 25xS 100. All work for two-story frame residence.

Owner.....Geo. H. Cammet and Carl

Mettler, 1905 Cabrillo, San Francisco.

Architect...H. D. Mitchell, 628 Montgomery, San Francisco.

Contractor..George F. Cleese, 524 27th Ave., San Francisco.

Filed Feb. 4, '15. Dated Feb. 2, '15.

Frame up\$800

Brown mortar on..... 800

Completed and accepted..... 800

Usual 35 days..... 800

TOTAL COST, \$3200

Bond, \$1700. Surety, Massachusetts Bonding & Insurance Co. Limit, 90 days. Forfeit, \$5. Plans and specifications filed.

FRAME RESIDENCE

(377) E TWENTY-FIRST AVE 54 S Lake S 25xE 82-6. All work for two-story frame residence.

Owner.....Jeanette Yates, 335 21st Ave., San Francisco.

Architect...None.

Contractor..W. F. Yates, 335 21st Ave., San Francisco.

Filed Feb. 4, '15. Dated Jan. 28, '15.

On 1st of each month..... 75%

Usual 35 days..... 25%

TOTAL COST, \$3900

Bond, none. Limit, 120 days. Forfeit, plans and specifications, none.

FRAME BUILDING

(378) E VAN NESS AVE 62-6 S Francisco th along E Van Ness Ave 50x30. All work for one-story frame building.

Owner.....S. C. Braxton and L. M. Sells, 553 Clay, S. F.

Designer...Geo. McGlumphy, 2522 Geary, San Francisco.

Contractor..Arthur Elvin, 3854 23rd, San Francisco.

Filed Feb. 4, '15. Dated Feb. 4, '15.

Frame up and roof on.....\$450

Completed and accepted..... 450

15 days after..... 355

TOTAL COST, \$1255

Bond, none. Limit, 15 days. Forfeit, none. Plans and specifications filed.

GARAGE AND STORES

(379) NE SECOND 275 NE Mission SE 88xNE 112, 100 V Blk 346. All work for one-story and basement garage and stores.

Owner.....Wells Fargo & Co., 2nd & Mission, San Francisco.

Architect...Jas. H. Humphreys, Wells Fargo Bldg., S. F.

Contractor..Carnahan & Mulford, 45 Kearny, San Francisco.

Filed Feb. 5, '15. Dated Feb. 3, '15.

On 1st of each month..... 75%

Usual 35 days..... 25%

TOTAL COST, \$14,972

Bond, \$3743. Surety, United States Fidelity & Guaranty Co. Limit, 60 days. Forfeit, \$10. Plans and specifications filed.

FRAME STORE BUILDING

(380) SE VAN NESS AVE & FRANCISCO 37-6 on Van Ness and 60 on Francisco. All work except part of concrete foundations and street work for one-story frame store bldg.

Owner.....E. C. Hemphill and W. L. Glimm, 920 Leavenworth, San Francisco.

Architect...Fabre & Bearwald, Merchants' National Bank Bldg., San Francisco.

Contractor..Arthur Elvin, 3854 23rd, San Francisco.

Filed Feb. 5, '15. Dated Feb. 5, '15.

Frame up\$685
 Completed and accepted..... 700
 30 days after..... 465
TOTAL COST, \$1850
 Bond, none. Limit, 15 days. Forfeit, none. Plans and specifications filed.

FRAME STORE AND ROOMS

(381) N POST 90 W Buchanan 75x 137-6. All work for two-story frame stores and rooms.
 Owner.....J. H. Bohlrig, 795 Pine, S. F.
 Architect...J. C. Hladik, Monadnock Bldg., San Francisco.
 Contractor..G. Cavaglieri, 593 Potrero Ave., San Francisco.

Filed Feb. 5, '15. Dated Feb. 3, '15.
 Frame up\$2250
 Brown coated 2250
 Completed and accepted..... 2250
 Usual 35 days..... 2250
TOTAL COST, \$9000

Bond, Guaranty bond in favor of owner. Sureties, D. J. Counihan and B. F. Suelflohn. Limit, 60 days. Forfeit, \$5. Plans and specifications filed.

FRAME STORE BUILDING

(382) SE VAN NESS AVE & VALLEJO 26x109. All work for one-story frame store building.

Owner.....Mrs. Bridget Daly.
 Architect...J. C. Hladik, Monadnock Bldg., San Francisco.
 Contractor..G. Cavaglieri, 593 Potrero Ave., San Francisco.

Filed Feb. 5, '15. Dated Dec. 30, '14.
 Frame up\$1093
 Brown coated 1094
 Building finished 1094
 Usual 35 days..... 1094
TOTAL COST, \$4375

Bond, \$2187.50. Surety, Illinois Surety Co. Limit, 45 days. Forfeit, none. Plans and specifications filed.

FRAME FLATS

(383) W SIXTEENTH AVE 90 S California S 56-1 W 120 N 50 E 66-8 N 6-1 E 53-4. Plumbing, gas fitting and sewerage for four frame flats.
 Owner.....Elmer & Florissa Westlake, Humboldt Bk Bldg., San Francisco.

Architect...O'Brien Bros., Clunie Bldg., San Francisco.
 Contractor..David Gibbs, 654 5th Ave., San Francisco.

Filed Feb. 5, '15. Dated Feb. 4, '15.
 50% roughed in\$387.50
 100% roughed in and sewers connected 387.50
 Completed and accepted..... 387.50
 Usual 35 days..... 387.50
TOTAL COST, \$1550.00

Bond, \$775. Sureties, Jacob Gibbs and Eva Ingerman. Limit, 40 days after notification. Forfeit, none. Plans and specifications filed.

NOTE:—One building is to be erected on W 16th Ave 121-8 S California.

(384) ALL WORK EXCEPT HEATING and plumbing on above.

Contractor...A. M. Wallen, 251 Kearny, San Francisco.

Filed Feb. 5, '15. Dated Feb. 5, '15.
 2nd story joists in place.....\$1920
 Roofed and enclosed..... 1920
 Floored and ready for lathing.. 1920
 White coated 1920
 Finished and accepted..... 1920
 Usual 35 days..... 3200
TOTAL COST, \$12,800

Bond, \$6400. Sureties, Gustave Peterson and P. J. Carney. Limit, 120 days

Forfeit, \$10. Plans and specifications filed.

(385) STEAM HEATING PLANT ON above.

Contractor..Victor Eng. Co., 21 Spear, San Francisco.

Filed Feb. 5, '15. Dated Feb. 4, '15.
 Flues installed\$288.25
 Completed and accepted..... 278.00
 Usual 35 days..... 188.75

TOTAL COST, \$755.00
 Bond, \$377.50. Surety, New Amsterdam Casualty Co. Limit, 30 days after notification. Forfeit, \$5. Plans and specifications filed.

ALTERATIONS

(386) COR. BAKER & McALLISTER. Alterations and additions for frame store and flats.

Owner.....Mrs. A. C. Moresi.
 Architect...Bliss & Faville, Balboa Bldg., San Francisco.

Contractor..J. Harold Johnson, 740 9th Ave., San Francisco.

Filed Feb. 5, '15. Dated Feb. 5, '15.
 On 'st of each month..... 75%
 36 days after..... 25%

TOTAL COST, \$1995
 Bond, \$998. Surety, Aetna Accident & Liability Co. Limit, none. Forfeit, \$5. Plans and specifications filed.
 NOTE—1st report Feb. 4, No. 333.

NEW FRONT

(387) SW CORNWALL AND FOURTH Ave. New front.

Owner.....J. Duggan, 808 Elizabeth, San Francisco.

Architect...None.
 Contractor..D. J. Brodiack, 100 Clement, San Francisco.

COST, \$500

ALTERATIONS

(388) NO. 437 THIRTY-SEVENTH Ave. Raise and alter dwelling.

Owner.....Gertrude Ames, Maria Kip Orphanage.

Architect...None.
 Contractor..James Smith, 441 4th Ave., San Francisco.

COST, \$500

ALTERATIONS

(389) NO. 14 MONTGOMERY. Remove terra cotta partitions and rebuild others on 4th and 8th floors.

Owner.....Wells Fargo Nevada National Bank Bldg., Prem.

Architect...Wm. Mooser, Nevada Bank Bldg., San Francisco.

Contractor..Dreyfus Bros.

COST, \$500

ALTERATIONS

(390) NE FILLMORE & FILBERT. Alter saloon.

Owner.....Geo. W. Burke, 3226 22nd, San Francisco.

Architect...None.

Day's work. **COST, \$700**

FRAME DWELLING

(391) N GREEN 101-2 E Lyon. Two-story basement and attic frame dwlg

Owner.....W. W. Rednall, 2500 Filbert, San Francisco.

Architect...None.

Day's work. **COST, \$7000**

FRAME APARTMENTS

(392) E JONES 67-6 S Pine. Three-story and basement frame (6) apartments.

Owner.....John Schroeder, 1006 French Bank Bldg., S. F.

Architect...None.

Day's work. **COST, \$17,500**

FOUNDATION

(393) E JONES 37½ S Lombard. Foundation for two-story frame building.

Owner.....R. De Luca, 2232 Jones, San Francisco.

Architect...T. Patterson Ross, 310 California, San Francisco.

Day's work. **COST, \$750**

FRAME DWELLING

(394) S ARMY 103-2 W Castro. One and one-half-story and basement frame dwelling.

Owner.....F. Monson, 865 Church, San Francisco.

Architect...None.

Day's work. **COST, \$1800**

FRAME STORES

(395) S CHESTNUT 120 E Scott. One story frame stores.

Owner.....T. W. McClenahan, 110 Jessie, San Francisco.

Architect...D. D. Kearns, 251 Kearny, San Francisco.

Day's work. **COST, \$1500**

FRAME STORES

(396) S FRANCISCO 160-6 E Van Ness Ave. One-story frame stores.

Owner.....L. L. Solomone, Sharon Bldg., San Francisco.

Architect...M. G. Bugbee, 328 Lick Bldg., San Francisco.

Day's work. **COST, \$1500**

FRAME DWELLING

(397) W TWENTY-FIFTH AVE 100 S Geary. Two-story and basement frame dwelling.

Owner.....Thos. Hamill, 268 25th Ave. San Francisco.

Architect...None.

Day's work. **COST, \$2700**

ALTERATIONS

(398) NO. 622 CLEMENT. Alter store.

Owner.....Leo Blum, Premises.

Architect...B. J. Joseph, 447 New Call Bldg., San Francisco.

Day's work. **COST, \$800**

FRAME STORE

(399) NO. 2269 CHESTNUT. One-story frame store.

Owner.....D. Comis, Premises.

Architect...None.

Contractor..Geo. H. Porter, 1775 Geary San Francisco.

COST, \$750

FRAME APARTMENTS

(400) S FELL 75 W Franklin. Three story and basement frame (21) apartments.

Owner.....James H. Hjul, Mechanics' Institute Bldg., S. F.

Architect...None.

Day's work. **COST, \$27,500**

FRAME RESIDENCE

(401) LOT 6, Ashbury Terrace. Two-story and basement frame residence.

Owner.....S. A. Born Bldg. Co., 660 Market, San Francisco.

Architect...Edw. G. Bolles, 660 Market, San Francisco.

Day's work. **COST, \$5000**

CONCRETE WAREHOUSE

(402) NW FRONT AND UNION W 125 N 70. All work for two-story rein-

forced concrete warehouse including mezzanine floor.
Owner.....Sperry Flour Co., Inc., 332 Pine, San Francisco.
Designer...George Wagner.
Contractor...Clinton Fireproofing Co., of California, Mutual Bank Bldg., San Francisco.

Filed Feb. 6, '15. Dated Jan. 22, '15.
On 10th of each month..... 75%
Usual 35 days..... 25%
TOTAL COST, \$37,460

Bond, none. Limit, 90 days from granting permit. Forfeit, none. Plans and specifications filed.

FRAME RESIDENCE
(403) NE SIXTEENTH AVE AND "B" 25 on 16th Ave and 77-8 on "B." All work except hot water heating for two-story and basement frame residence.

Owner.....Ida E. Chambers, 692 Waler, San Francisco.

Architect...None.
Contractor...Andrew Helbing, 1420 Market, San Francisco.

Filed Feb. 6, '15. Dated Feb. 4, '15.
Frame up\$1000
Brown coated 1000
Standing finish on..... 1000
Completed and accepted..... 835
Usual 35 days..... 1000
TOTAL COST, \$4835

Bond, \$1250. Sureties, Osrar H. Curtaz and Th. F. Bannan. Limit, 90 days. Forfeit, none. Plans and specifications filed.

FRAME COTTAGE
(404) N GEARY 75 W Wood 25-9x100. All work for one and one-half-story and basement four-room frame cottage.

Owner.....John Henry Meredith, 81 wood, San Francisco.

Architect...None.
Contractor...San Francisco Bldg., Co., 46 Kearny, San Francisco.

Filed Feb. 6, '15. Dated Feb. —, '15.
Frame up\$335
Enclosed and brown coated..... 235
Completed and accepted..... 335
Usual 35 days..... 335
TOTAL COST, \$1350

Bond, \$675. Surety, Pacific Coast Casualty Co. Limit, 90 days. Forfeit, none. Plans and specifications filed.

LEASES

Feb. 6, 1915—NO. 3301 FILLMORE and No. 2110 Lombard NW Cor. Peter P Callaghan to C S Laumeister, Sr and A Davidson, 1 year. \$4800 with option to renew.

Feb. 5, 1915—W FILLMORE 60 S Moulton N 60xW 80. John S Howell to George L Streshly and Gus J Pates 1 year, \$3000 with option to renew.

Feb. 5, 1915—NOS 1529, 1531, 1533, 1535 Greenwich. T J Wrampelmeier to T W McClenahan and J W Clark. 10 1/2 months. \$1920.

Feb. 5, 1915—S CHESTNUT 165 E Scott E 24-6xS 60. August Schneider to T W McClenahan and J W Clarke 1 year. \$1080.

Feb. 5, 1915—NO. 1431 STEINER. Francois and Hannah Marx to Frances T Brown, 5 years. \$230 a month.

Feb. 5, 1915—SE STEINER & CHESTNUT S 25xE 100. R W and R C Walbey to George L Streshly and Harry P Merritt, 11 months. \$2475 with option to renew.

Feb. 5, 1915—S MOULTON 80 W Fill-

more W 28-9xS 60. August Regoli and Francis De Belli to Gustave J Pates. 2 years. \$420.

Feb. 5, 1915—S MOULTON 108-9 W Fillmore W 28-9xS 60. Thomas R and Mary Crowley to Gustav J Pates 2 years, \$420.

Feb. 2, 1915—SW VAN NESS AVE AND Chestnut 56 on Van Ness by 120 on W Chestnut. Ella M Rohliffs to B Frankel and Jacob Kessler. Jan. 31, 1916. \$3000.

Feb. 2, 1915—NW OTSEGO AVE 80 NE Seneca Ave NW 237xNE 80. August Marengo to Angelo Bocoleri. 5 years. \$1800.

Feb. 2, 1915—SW CHESTNUT & SCOTT E Stern to T W McClenahan and J W Clarke. 1 year with option to renew. \$1380.

Feb. 2, 1915—NOS. 3328-30-32 FILLMORE. N I Braunstein and Jacob Kessler to H P Wildrich. Dec. 15, 1915. \$1600.

Feb. 2, 1915—S MISSION 146-6 W 10th 20x160. Gantner & Mattern Co to United States Light & Heating Co. 2 years, \$3120.

Feb. 1, 1915—NE LOMBARD & DIVISADERO N 112-6xE 36-6. Samuel Rhine to J M Grauer. 12 months. \$2100.

STATE HIGHWAY BIDS OPENED.

Highway Bids for Constructing Butte County Section are Opened, But Contract Not Awarded.

Bids were opened at the last meeting of the State Highway Commission for construction of the State Highway in Butte County. The following bids were received:

Butte Co. Div. 3, Route 3, Sec. C.
Tieslau Bros., S. F.....\$81,885.45
Chico Constr. Co., Chico..... 84,236.10
M. Jacinto, Sacramento..... 92,208.00
Hoffman & McLaren, Okd..... 88,890.50
John W. McDonald Jr., S. F. 84,853.20
Twohy Bros. Co., S. F..... 91,178.90
Whitlock & Gorrill, S. F..... 70,042.40
C. A. Gorrill and A. W. Gorrill, San Francisco 71,267.80
F. Rolandi, S. F..... 74,491.10
L. F. Gerdetz, S. F..... 77,105.80
Engineer's estimate, \$81,592.96.

Materials furnished by the State: Pipe railing, reinforcing steel, corrugated iron pipe, Portland cement, sand and coarse aggregate. Total, \$72,432.84.

INCORPORATIONS

National Adjusters. General claim adjusting and collection agency. Capital Stock, \$250,000; 25,000 shares at \$1 each; amount subscribed, \$3. Place of business, San Francisco. Directors—J. S. Macdonald, Geo. C. W. Egen and W. M. Dean, 1 share each.

Whalebone Painless Dentists. To practice dentistry. Capital Stock, \$10,000; 10,000 shares at \$1 each; amount subscribed, \$300. Place of business, San Francisco. Directors—J. B. Williams, M. P. Marks, R. B. Ray, 1 share each.

Consolidated Electric Co. Capital Stock, \$10,000; 100 shares at \$100 each; amount subscribed, \$300. Place of business, San Francisco. Directors—C. E. Baen, E. K. Spatton, G. Reents 1 share each.

BUILDING TOTAL FOR JANUARY.

Report of the Building Department of Board of Public Works Shows That During Month of January \$1,006,043 Invested in Building Construction.

Building activities throughout the City for the month of January shows during the month 505 permits were issued at a total cost of \$1,006,043. Of this amount \$45,000 was invested in the construction of a municipal building, and \$137,246 for the construction of two buildings for the Harbor Commissioners.

The following is a complete and segregated report as taken from the records of the Bureau of Building Inspection:

Class "A"	2	\$ 211,000
Class "C"	9	171,300
Frames	113	323,757
Alterations	378	117,740
Public Buildings	1	45,000
Harbor Commission	2	137,246
Total	505	\$1,006,043

NOTICE OF NON-RESPONSIBILITY.

Feb. 2, 1915—SW CHESTNUT AND Webster W 192-6xS 137-6. M Fisher Co as to improvements on leased property.....

Jan. 30, 1915—S MISSION 146-6 W 10th W 102-10xS 160. Gantner & Mattern Co as to improvements on leased property.....

Feb. 4, 1915—S GREENWICH 137-6 W Fillmore W 35-4 1/2 x—. Alexander Besson as to improvements on leased property.....

Feb. 4, 1915—W MISSION 217-5 S 21st S 28-3 3/4 x90; No. 2544 Mission. Robt Higgins as to improvements on leased property.....

Feb. 2, 1915—E TWENTIETH AVE 266-8 S Taraval S 33-4xE 120. Parkside Realty Co of S F as to improvements on leased property.....

Feb 3, 1915—NW MASON & LATHAM Place N 60xW 77-6. Joseph Estate Co as to improvements on leased property.....

Feb. 3, 1915—NW STOCKTON AND O'Farrell N 137-6xW 137-6. Hyman Bros Co as to improvements on leased property.....

BOOTH CONTRACT.

The Fink & Schindler Company has been awarded the contract for the installation of the exhibit booth for the Thermos Brick Company of this City. This booth is located in the Palace of Manufacturers.

ARCHITECTS' CERTIFICATES.

Feb. 4, 1915—LLOYD A. RALLY has filed his certificate of architecture for San Francisco County.

Feb. 4, 1915—C. RAIMOND JOHNSON has filed his certificate of architecture for San Francisco County.

COMPLETION NOTICES.

San Francisco

Jan. 27, 1915—SW STEINER AND Greenwich S 25xW 100. Fibrestone & Roofing Co to R Moisio, G Alessio and P Prasso.....
Jan. 30, 1915—EXPOSITION SITE,

Get It From Bacon



Foote Mixer on building work.
Lang & Bergstrom, Contractors.



The Concrete Mixer of Quality

Carried in Stock by

EDWARD R. BACON CO.
CONTRACTORS EQUIPMENT.

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Edward R. Bacon is positively not connected with any other firm.

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INC. **IRON**
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Structural Steel Contractors

Works at
HARRISON ST.,
bet. 8th & 9th
San Francisco

Telephone Market 337

The Desmond Supply Co to E W Elliot.....Jan. 15, 1915
Jan. 30, 1915—W COMMONWEALTH Ave 485 S Euclid Ave S 40xW 120. Blanche Wertheimer to J P Fletcher.....Jan. 30, 1915
Jan. 30, 1915—SW TAYLOR & EDDY W 137-6xS 137-6. Morris, Joseph and Julia Hyman, Theresa Stone, Emilie Baruch and Henry W Hyman Estate to Van Emon Elevator Co.....Jan. 29, 1915
Jan. 30, 1915—SE ELLINGTON AVE 106-8 SW Foote Ave SW 26-9 SE 412 NE 26-9, NW 220-814, being ptn Lot 2 Blk 24 West End Map No. 2. Susan A Binning to whom it may concern.....Jan. 27, 1915
Jan. 30, 1915—S PACIFIC AVE 100 E Octavia E 37-6 S 127-6 W 50 N 10 E 110 N S 6 to Marymont to E Pagel.....Jan. 28, 1915
Feb. 1, 1915—E SIXTH AVE 275 N Judah N' 25xE 120. George W Ranch to E J Ranch.....Feb. 1, 1915
Feb. 1, 1915—NW OTSEGO AVE 160 N' 100xN 100xNW 227. Domingo Revocable to Ed Zinkand & Son and et al.....Jan. 26, 1915

Feb. 1, 1915—W SECOND AVE 260-11% S Cabrillo S 29xW 120. Elizabeth F or E F Harvey to Henry Conrad.....Jan. 30, 1915
Feb. 1, 1915—S TURK 120 E Divisadero E 30xS 75. Thos Low to whom it may concern.....Jan. 27, 1915
Feb. 1, 1915—E THIRTY-EIGHTH AVE 225 N Cabrillo 25x120. Alonzo Hicks to Edw E Manseau.....Feb. 1, 1915
Feb. 1, 1915—EXPOSITION SITE. J R Kathrens, Manager, to Decorative Constr Co.....Jan. 23, 1915
Feb. 1, 1915—NW TAYLOR & SACRAMENTO N 40xW 91-8. J A Steffen to Ward & Goodwin, Jan. 30, 1915; Otis Elevator Co, Jan. 27, 1915; Forderer Cornice Wks.....Jan. 13, 1915
Feb. 2, 1915—W THIRTY-SIXTH AVE 50 S Balboa N 25x95. W R Kenny to W R Kenny.....Feb. 2, 1915
Feb. 2, 1915—SW CARL & WILLARD 72-6x100. James R and Jennie R Dickson to whom it may concern.....Feb. 2, 1915
Feb. 2, 1915—N CASSELLI AVE 50 W Clover Alley W 50xN 121. John J Kenney to Chas J Kern Co.....Jan. 25, 1915

Feb. 2, 1915—W TAYLOR 100 S Sutter 37-6x137-6. Badge J Wyman to whom it may concern.....Jan. 30, 1915
Feb. 2, 1915—N IRVING (1) 45 E 12th Ave E 25xN 100. Lawrence Spillane and Margaret Spillane to Hansen & Broman.....Dec. 23, 1914
Feb. 2, 1915—LOT 1 BLK 1 Crocker Amazon Tct. Herman Nordstrom to whom it may concern.....Jan. 23, '15
Feb. 2, 1915—EXPOSITION SITE. The Illinois Commission to the Panama-Pacific International Exposition to Lange & Bergstrom.....Feb. 1, 1915
Feb. 3, 1915—N FILBERT 87-6 E Leavenworth 25xN75. Jas Lagomarsino to Segali & Demartini.....Jan. 30, 1915
Feb. 3, 1915—W THIRD AVE 275 S Geary S 25xW 120. Nellie T Powers to James Welsh.....Feb. 1, 1915
Feb. 4, 1915—W LARKIN 62-6 N Lombard N 25xW 87-6. Harry Galo Jenkins to M Holm & Son.....Jan. 19, '15
Feb. 4, 1915—LOTS 22 AND 23 Lyon & Hoag Sub Ashbury Terrace lying E of line which if extended would be a continuation of the bdry line between Lots 25 and 26. A B Bianchi to L Dioguardi.....Feb. 1, 1915
Feb. 4, 1915—LOT 19 BLK 2 Academy Tract. Bernardina Scheid to J I Morey.....Feb. 3, 1915
Feb. 4, 1915—NW STOCKTON AND O'Farrell W 137-6xN 137-6. The D Samuel Co to Charles B Hadley.....Jan. 30, 1915
Feb. 4, 1915—E LARKIN 87-6 S Post S 50xE 87-6. M Stern to Ira W Coburn, Inc.....Feb. 3, 1915
Feb. 4, 1915—S SACRAMENTO 156-3 E Lyon S 137-6xE 50. John W Carey (for owner) to M V Brady.....Feb. 2, 1915
Feb. 4, 1915—SW TAYLOR & EDDY W 137-6xS 137-6. Morris, Joseph and Julia Hyman, Theresa Stone, Emilie Baruch and Henry W Hyman Estate to Frederick W Snook, Feb. 3; Val Franz, Feb. 3; Central Elec Co, Feb. 3; Martin Peterson.....Feb. 3, 1915
Feb. 5, 1915—NE NORTON (Morton) 325-350-375 respectively NW Mission 25x100 each. Louis Depaoli to Louis J Roberts.....Feb. 1, 1915
Feb. 5, 1915—SW CALIFORNIA AND Mason W 77-6xS 60. S W Morshead to Judson Mfg Co.....Feb. 3, 1915
Feb. 5, 1915—SE GEARY & TAYLOR S 137-6xE 87-6. Clift Realty Co to G C Collins.....Jan. 26, 1915
Feb. 5, 1915—W ELEVENTH AVE 275 N Balboa N 25xW 120. John Little to whom it may concern.....Feb. 4, 1915

LIENS FILED

SAN FRANCISCO COUNTY.

Jan. 30, 1915—N IRWIN 220 W 6th W 125xN 140. L Wagner & Sons, Pacific Works vs Sanroe Mfg Co and Southern Pacific Co.....\$2475
Feb. 1, 1915—S HOWARD & RAUSCH SW 56xSE 100. S Flahavan vs Daniel C, Edward H and Margaret V Coleman and W R Bell.....\$142.30
Feb. 1, 1915—S RAUSCH & HOWARD SE 100xSW 56. W P Fuller & Co vs W R Bell, Daniel G, Edward H and Margaret V Coleman.....\$372.20
Feb. 1, 1915—SE RAUSCH & HOWARD E 73xS 56. S Rausch 73 E Howard E 27xS 56. M H Gnecco

vs Wm R Bell, Daniel J, Edw H and Margaret V Coleman.....\$70
 Feb. 1, 1915—N CALIFORNIA 54.3 E Steiner E 151 N 132.8½ W 99 S 26.6 W 52 S 106.2¼. Walter Boerner vs Pacific Realty Co....\$176
 Feb 2, 1915—S RAUSCH & HOWARD SE 100xSW 56. Fibrestone & Roofing Co vs Daniel G, Edward H, Margaret V Coleman and Wm R Bell\$140
 Feb. 2, 1915—E SANCHEZ 181-6 S 22nd S 22-6xE 100. Bay City Bldg Co vs Joseph F Moss and Mrs T J Hanivan\$126
 Feb 2, 1915—S HOWARD & RAUSCH SE 100xSW 56. L Hagan vs Margaret V and Daniel G Coleman and Wm R Bell.....\$210
 Feb. 2, 1915—N CALIFORNIA 32 W Larkin W 27-6xN 87. San Francisco Iron Works vs J R Kissel and Otto Carson\$282
 Feb 2, 1915—S HOWARD & RAUCH SE 100xSW 56-6. D N & E Walter Co vs Daniel G, Edward H and Margaret V Coleman and Wm R Bell\$96.50
 Feb. 3, 1915—EXPOSITION SITE. Taylor & Co vs Ohio State Commission to the Panama-Pacific International Exposition Co and Lange & Bergstrom.....\$598.50
 Feb 3, 1915—S RAUSCH & HOWARD SE 100xSW 56. The Pacific Plastering Co vs Wm R Bell, Chas Alsop, Daniel, G Edward H and Margaret V Coleman.....\$748
 Feb 3, 1915—S RAUSCH & HOWARD SE 100xSW 56. The Standard Wall Paper Co vs W R Bell, Edward H Margaret V and Daniel G Coleman\$105.30
 Feb. 3, 1915—N CALIFORNIA 54.3 E Steiner E 151 N 137-8¼ W 99 S 26.6 W 52 S 106.2¼. Gust Johnson vs Pacific Realty Co.....\$60.50
 Feb. 3, 1915—SW HOWARD AND and Edward Coleman & W R Bell
 Feb. 3, 1915—SW RAUSCH AND Howard W 56xS 100. John Casaretto vs Daniel G, Edward H and Margaret V Coleman and L Hagan\$86.65
 Feb. 3, 1915—SE GREEN & FILLMORE S 86-6xE 70-5. Haines Jones & Cadbury Co vs H M Kelly and Bertha Oberfeld\$153.72
 Jan. 30, 1915—N IRWIN 220 W 6th W 125xN 140. M P Brizard and B N Young (as Brizard & Young) vs Sanroc Mfg Co and Southern Pacific Co.....\$596.50
 Feb. 4, 1915—LOTS 63 AND 64 Sea Cliff Map Sub 1. Eri H Richardson vs Kenneth and America Moore McDonald\$109
 Feb 3, 1915—S HOWARD & RAUSCH SW 56xSE 100. Incandescent Supply Co vs Willard R Bell, Chas Alsop, Daniel G, Edward H and Margaret V Coleman.....\$361.80
 Rausch, Bertha N and Maurice S Greenberg (as M Greenberg's Sons), \$9; McGlinchey & Monaghan, \$30.10 vs Daniel, Margaret V
 Feb. 5, 1915—N CALIFORNIA 32 W Larkin W 27-6xN 87. Charles Brown & Sons vs J R Kissel.....\$258.18
 Feb. 5, 1915—N CALIFORNIA 32 W Larkin W 27-6xN 87. United Glass Works, In vs I R Kissel and Otto Carson & Co.....\$183.61
 Feb. 5, 1915—SE MOSCOW 200 NE Persia Ave NE 50xSE 100. B Melano vs J T Grace.....\$105

Feb. 5, 1915—BDED ON S by 20th, extended, N by 19th extended, W by Illinois, E by Bay of S F. Bay Development Co vs Union Iron Works Co and Thos H Day's Sons\$194

RELEASE OF LIES

SAN FRANCISCO COUNTY.

Jan. 23, 1915—SW GEARY & LARKIN W 76xS 120. J S Guerin & Co, Chicago Hoist Engine Co to P J Gartland and Paul I Karib.....
 Jan. 23, 1915—N WASHINGTON 128-9 E Jones E 48-9 N 62-6 E 20 N 75 W 68-9 S 137-6. Morris Stulsaft Co to Mae H Boggs.....\$17.70
 Jan. 26, 1915—W SIXTH AVE 175 S Geary S 25x120. Ed Evans to Agnes Sullivan
 Feb. 1, 1915—NW CAPP AND 24TH N 20xW55. Jas E Lennon Lime & Cement Co to Jos O'Brien.....\$17.70
 Feb. 3, 1915—NW LAWRENCE AVE and De Wolf N 100xW 25. Panama Constr Co to Mabel Reynolds and Jno Doe Reynolds (husband) and Jas Colowey and McEwen Bros..
 Feb. 4, 1915—SE "B" AND 49TH AVE E 75 S 90 W 90 N 90. J S Wells, Frank Neubert (as Reliable Floor Co) to J C F Mitchell, R C McLaren, C F Petersen (as McLaren & Petersen)

OAKLAND AND ALAMEDA COUNTY.

BATH HOUSE ALTERATION — \$6,000. Oakland, Cal. Architect's name not given. Owner, W. W. Boole, 38 Highland avenue, Piedmont. The swimming baths, known as the Piedmont Baths, located at the northwest corner of 24th and Vernon streets, will undergo extensive alterations. Included in this work are marble wainscot, steps and glazed tile work. Plans are complete and in the hands of the owner, who is letting segregated contracts.

BOAT HOUSE AND WATER PAVILION—1 story, reinforced concrete, \$10,000. Oakland, Cal. Architect, Walter D. Reed, Oakland Bank of Savings, Oakland. Owners, City of Oakland. Bids received by the Park Commission for this work show R. Glaze low for the boat house at \$12,042 without lockers and \$12,642 with lockers. I. D. Bluxome presented the low figure for the water pavilion at \$2,322. All bids received were above the amount available for construction and were rejected. Plans were ordered revised and new bids will be called for shortly. Further mention will be made of the work.

base, frame, \$22,000. Oakland, Cal. Architect, F. D. Voorhees, Central Bank Bldg., Oakland. Owner, Daniel F. O'Connell, 4243 Howe street, Oakland. The building will be erected at the northwest corner of 41st and Montgomery streets, and has been designed to contain a total of 47 apartments, arranged in suites of two, three and four rooms. Interiors will be finished in pine, redwood and hardwood. Hardwood floors will be used in the living and dining rooms. There will be steam heat, a hot water supply and vacuum cleaning system. Bath rooms will have tile wainscot and floors. Wall beds will be used in all apartments. Entrance will be finished in marble

and tile. Exterior of the building will be covered with rustic and cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor. Materials are now being purchased.

RESIDENCE — 2 story and base, frame, \$4,500. Oakland, Cal. Architect, Clay N. Burrell, Albany Bldg., Oakland. Owner, O. Nelson. The dwelling will be erected in the Linda Vista Tract, and has been designed to contain seven rooms, bath and sleeping porch. Interior will be finished in pine, redwood, hardwoods and white enamel. Hardwood floors will be used in the living room, dining room, reception hall and library. There will be furnace heat and open fire places. Mantels will be of brick or tile. An automatic water heater will be installed. Tile wainscot will be used in the bath room. Exterior of the house will be covered with cement plaster on metal lath. Plans are complete and the work will be done by Day Labor.

RESIDENCE — 2 story and base, frame, \$3,500. Berkeley, Alameda Co., Cal. Architect, none. Owner, E. M. Marquis, 2827 Russell street, Berkeley. The dwelling has been designed for a six-room house with bath and sleeping porch, and will be erected at the intersection of the Tunnel Road and Alvarado Road. Interior will be finished in pine and redwood with some hardwood veneer. Hardwood floors will be used in the living room, dining room and reception hall. There will be furnace heat and open fire places. Mantels will be of tile and brick. Tile wainscot will be used in the bath room. An automatic water heater will be installed. Exterior of the house will be covered with rustic and cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor. Materials are now being purchased.

RESIDENCE — 2 story and base, frame. Cost not stated. Piedmont, Alameda Co., Cal. Architect, John Hudson Thomas, First National Bank Bldg., Berkeley. Owner, G. Ross. The dwelling will be erected in Novo Piedmont and has been designed for a seven-room house with bath and sleeping porch. Interior will be finished in pine, redwood and white enamel. Hardwood floors will be used in the living room, dining room and reception hall. Plans provide for furnace heat and open fire places. Mantels will be of tile and brick. An automatic water heater will be installed. Bath room will have tile wainscot and floor. Exterior of the house will be covered with cement plaster on metal lath. Plans are now being prepared.

RESIDENCE — 2 story and base, frame., Cost not stated. Oakland, Cal. Architect, John Hudson Thomas, First National Bank Bldg., Berkeley. Owner, C. S. Cherry. The dwelling will be erected in Rockridge Park, and has been designed for a seven-room house with bath and sleeping porch. Interior will be finished in pine and redwood with some white enamel in the bed rooms. Hardwood floors will be used in the living room, dining room and reception hall. Plans provide for furnace heat and open fire places. Mantels will be of brick and tile. Tile wainscot will be used in the bath room. An automatic water heater will be installed. Exterior of the

dwelling will be covered with cement plaster on metal lath. Plans are complete and figures are now being taken.

UNIVERSITY BUILDINGS—Class A construction, \$1,200,000. Berkeley, Alameda Co., Cal. Architect, John Galen Howard, 604 Mission street, S. F. Owners, Regents of the University of California. Architect John Galen Howard announces that the preliminary plans for four of the new buildings to be erected on the University Campus at Berkeley are practically complete. These buildings are the new Chemistry Building, Agriculture Building, completion of the Library and a large class room building. The plans call for a modification of the present million dollar Doe Library so that it will be almost double its present size. Wings down the east and west sides will be finished and carried up four stories. An additional reading room will occupy the larger part of the east wing. The Library will be 135 feet long and 45 feet wide, and is expected to bring the seating capacity for the general study tables up to a thousand. The new reading room will be minus the luxurious marble and oak furnishings of the older room, but will be better lighted. There is also to be special reading rooms for various departments of the university, including history and engineering. There will also be space for several museums. The south front facing Sather gate is to be finished much as the present main entrance. The large class room building will be erected on the vacant space just inside Sather gate and west of South Hall. It will be 200 feet square and will have about an acre of floor space. It is expected to house the departments of political science, economics, history, mathematics and languages. It will be four stories high. If the present plans are followed, and will be similar to the Library in appearance, with an imposing front on the Sather gate side. A unique feature of this building will be fact that each floor will be constructed independently of any partitions and will be a unit. This is similar to the present Hearst Mining building, and will permit readjustments to meet needs as the University grows. Professor Howard and the Regents are still in doubt as to whether an auditorium should be incorporated in the new building. The new Agriculture building will be the second of the group, which will ultimately contain four structures about a large court. The second building is aimed to house seven departments, and will be very similar in size and appearance to the first structure built three years ago. It will be built to the west and north of the present structure and will be the corner building of the greater University plan. The new Chemistry building will be constructed between the present venerable building and East Hall. The chemistry group, when completed, will form a figure 8 with the present old building as the central crossbar of the figure. All of the new buildings will be finished in Raymond granite.

APARTMENT HOUSE ALTERATION—2 story and base, frame, \$3,000. Berkeley, Alameda Co., Cal. Architects, Oliver & Thomas, Pantages Theatre Bldg., Oakland owner's name withheld. The present two-story

frame dwelling will be altered into a small modern apartment house. There will be five suites of three and four rooms. The work will require interior partitions, interior finish, plumbing, electric work, plastering and painting. Wall beds will be used. No exterior alterations will be made. Plans are now being prepared.

HOTEL—2 story and base, brick, \$7,000. Oakland, Cal. Architect, J. J. Donovan, Security Bank Bldg., Oakland. Owners, City of Oakland. The building will be erected at the corner of Eighth and Harrison streets and will be used in connection with the Municipal Wood Yard. The first floor of the building will contain an office, dining room and kitchen. Upper floor will be arranged for a number of rooms. Interior will be finished in pine throughout. There will be steam heat and a hot water system. Exterior of the building will be faced with stock brick. Plans are being prepared.

MUNICIPAL AUDITORIUM CURTAINS, HANGINGS AND LIGHT FIXTURES—Cost not stated. Oakland, Cal. Architect, Supervising Architect John J. Donovan, Security Bank Bldg., Oakland. Owners, City of Oakland. Plans are complete and figures will be opened on February 11th for furnishing and installing the theatre curtains and hangings and for the electric light fixtures in the new Municipal Auditorium. Plans and specifications can be secured from the architect.

LODGE HALL—2 and 3 story and base, reinforced concrete. Cost not stated. Monterey, Monterey Co., Cal. Architect, John Davis Hatch, Humboldt Bank Bldg., S. F. Owners, Monterey Lodge No. 217 F. and A. M. The building will be a part two and part three-story reinforced concrete lodge building to be erected in Monterey for the Masonic Hall Association of Monterey. The building will be erected on a lot 36 by 90 feet running through from street to street. The General Fremont Headquarters will occupy one side of the building and the House of the Four Winds, the first Hall of Records in California, will occupy the other side of the building. The first floor will be arranged for a social hall and the second floor will contain lodge rooms and ante rooms, while a large banquet room will occupy the third floor. The exterior of the building will be faced with cement plaster. Plans are completed and figures are being taken.

RESIDENCE—1½ story and base, frame, \$3,500. Berkeley, Alameda Co., Cal. Architect, H. P. Smith, Blake Bldg., Oakland. Owner, P. O. Boyd. The dwelling has been designed for a seven-room house with bath and sleeping porch and will be erected in Boyd Court. Interior will be finished in pine, redwood and hardwoods. Hardwood floors will be used in the living room, dining room and reception hall. There will be furnace heat and open fire places. Mantels will be of tile and brick. Bath room will have tile wainscot. An automatic water heater will be installed. Exterior of the house will be covered with cement plaster on metal lath. Plans are complete and in the hands of the owner who is now taking subfigures on the work.

RESIDENCE—2 story and base, frame. Cost not stated. Oakland, Cal. Architect, John J. Donovan, Security Bank Bldg., Oakland. Owner, St. Leo's

Parish. The dwelling has been designed for a parish house and will be erected at the corner of Piedmont and Ridgeway avenues. There will be eight rooms, two baths and sleeping porch. Interior will be finished in pine and redwood. Hardwood floors will be used in the principal rooms. Plans provide for furnace heat and open fire places. Mantels will be of tile or brick. An automatic water heater will be installed. Exterior of the house will be covered with rustic and cement plaster on metal lath. Plans are now being prepared.

Bids For Canoe House Are Opened.

Oakland Park Commissioners Reject Bids for Concrete Canoe House And Other Plans Revised.

Bids were received Wednesday by the Oakland Park Commission for construction of a reinforced concrete canoe house and a concrete and frame water pavilion. The plans for these buildings were prepared by Architect Walter D. Reed, Oakland Bank of Savings Bldg., Oakland. Following is a complete list of the bids received. Bids on the canoe house were asked for as follows. Prop. A., work complete; Prop. B., without lockers.

Canoe House.

Bidder	Prop. A.	Prop. B.
A. T. Spence.....	\$15,360	\$14,760
R. Glaze	12,642	12,042
I. D. Bluxome.....	13,985	13,500
Tieslau Bros.	14,268	13,468

Water Pavilion.

A. T. Spence	\$2,480
I. D. Bluxome.....	2,322
Tieslau Bros.	2,388

All bids were rejected and plans were ordered revised.

Building Contracts Awarded.

Oakland.

No.	Owner	Contractor	Amt.
156	Alameda County	Kennedy	450
157	Goranson	Goranson	2500
158	Derby	Lydixsen	500
159	Boole	Boole	5650
160	O'Connell	O'Connell	2200
161	Same	Same	6000
163	Shores	Shores	8500
166	Lehman	Lehman	2500
167	Bredlow	Bredlow	600
168	Farnsworth	Wiser	600
169	Root	Litton	400
171	Epster	Graff	3772
172	O'Connell	O'Connell	400
173	Montgomery	Owner	2400
175	Strang	Strang	2000
177	Miller	Fake	400
178	St. Mary	St. Mary	1200
179	St. Mary	St. Mary	1200
180	Rogers	Schwartz	2500
181	Kell	Chubb	4000
182	Bell v.	Stewart	2500
183	Perkins	Simpson	500
184	Barroero	Barroero	500
185	Hinch	Hinch	2500
186	Hinch	Hinch	2500
187	Allen	Allen	2000
189	Hadden	Weampelmier	10000
190	Nunes	Nunes	2500
191	Foy	Foy	1650
192	Key Route	Healy	

ALTERATIONS

(156) COURT HOUSE, Oakland.

Alterations.

Owner.....Alameda County.

Architect...None.

Contractor...F. T. Kennedy, 516 16th, Oakland.

COST, \$450

DWELLING

(157) E BRYANT AVE 210 N College Ave., Oakland. One-story six-room dwelling.
Owner.....H. Goransan, 431 48th, Oakland.
Architect...None.
Day's work. COST, \$2500

ALTERATIONS

(158) S E-FOURTEENTH 100 W Fruitvale Ave., Oakland. Alterations.
Owner.....Derby Estate Co., 822 Mills Bldg., S. F.
Architect...None.
Contractor...Geo. H. Lydixsen, 1244 29th Ave., Oakland.
COST, \$500

ALTERATIONS AND REPAIRS

(159) NW TWENTY-FOURTH AND Vernoy, Oakland. Alter and repair Piedmont Baths.
Owner.....W. W. Boole, 38 Highland Ave., Piedmont.
Architect...None.
Day's work. COST, \$5650

APARTMENTS

(160) NW FORTY-FIRST & MONTGOMERY, Oakland. Two-story 47-room apartments.
Owner.....Daniel F. O'Connell, 4243 Howe, Oakland.
Architect...F. D. Voorhees, Central Bank Bldg., Oakland.
Day's work. COST, \$22,000

FLATS

(161) W MONTGOMERY 115 N 41st, Oakland. Two-story 18-room flats.
Owner.....Daniel F. O'Connell, 4243 Howe, Oakland.
Architect...F. D. Voorhees, Central Bank Bldg., Oakland.
Day's work. COST, \$6000

DWELLING

(163) N ASHMONT 610 W Mandana Blvd., Oakland. Two-story 10-room dwelling.
Owner.....Cora H. Shores, 690 Walla Vista Ave., Oakland.
Architect...Schirmer Bugbee & Co., Dalziel Bldg., Oakland.
Contractor...F. W. Shores, 311 Union Savings Bank Bldg., Okd.
COST, \$8500

DWELLING

(166) S EL CENTRO 320 E Park Blvd. Oakland. One-story 6-room dwlg.
Owner.....J. Lehman, 959 Apgar, Oakland.
Architect...None.
Day's work. COST, \$2500

DWELLING

(167) W DOVER 60 N 58th, Oakland. One-story 3-room dwelling.
Owner.....Isabel Bredlow, 5815 Dover Oakland.
Architect...None.
Contractor...H. Bredlow, 5815 Dover, Oakland.
COST, \$600

OFFICE

(168) S E-FOURTEENTH 200 E 47th Ave., Oakland. One-story office.
Owner.....A. K. Farnsworth, Melrose
Architect...None.
Contractor...Gordon J. Wiser, 5201 Cole, Oakland.
COST, \$600

REPAIRS

(169) NO. 1477 ALICE, Oakland. Repairs.
Owner.....Mrs. M. J. Root, Premises.
Architect...None.
Contractor...R. B. Litton, 2326 26th Ave., Oakland.
COST, \$400

FRAME DWELLING

(171) LOT 5 BLK "A" East Piedmont Heights. All work for two-story 7-room frame dwelling.
Owner.....Dr. W. K. and M. A. W. Foster, 609 Santa Ray Ave. Oakland.
Architect...None.
Contractor...Edwin C. Graff, Syndicate Bldg., Oakland.
Filed Feb. 2, '15. Dated Feb. 1, '15.
Signing contract\$175
Frame up\$943
Brown coated 943
Completed and accepted..... 943
31 days after..... 768
TOTAL COST, \$3772
Bond, none. Limit, 100 days after Feb. 5. Forfeit, none. Plans and specifications filed.

GARAGE

(172) W MONTGOMERY 115 N 41st, Oakland. Garage.
Owner.....D. T. O'Connell, Premises.
Architect...None.
Day's work. COST, \$400

DWELLING

(173) S BIRCH 490 W Webster, Oakland. One-story six-room dwelling.
Owner.....W. S. Montgomery, 2321 Ward, Berkeley.
Architect...None.
Day's work. COST, \$2400
DWELLING
(175) W ELSTON 245 S E-38th, Oakland. One-story 5-room dwelling.
Owner.....V. N. Strang, 1521 9th, Ala.
Architect...None.
Day's work. COST, \$2000

ADDITION

(177) NO. 1815 IRVING AVE., Oakland. Addition.
Owner.....Grant D. Miller, Premises.
Architect...None.
Contractor...W. H. Fake, 1640 25th Ave. Oakland.
COST, \$400

DWELLING

(178) S LYON AVE 35 E 38th, Oakland. One-story 5-room dwelling.
Owner.....Joe St. Mary, 2220 92nd Ave., Oakland.
Architect...None.
Day's work. COST, \$1200

DWELLING

(179) S LYON AVE 390 E 38th Ave., Oakland. One-story 5-room dwelling.
Owner.....Joe St. Mary, 2220 92nd Ave., Oakland.
Architect...None.
Day's work. COST, \$1200

ADDITION

(180) W BROADWAY 88 N 40th, Oakland. Two-story 6-room addition to apartment house.
Owner.....R. R. Rogers, Hayward.
Architect...None.
Contractor...C. S. Schwartz, Hayward.
COST, \$2500

BRICK GARAGE

(181) W GROVE 100 N 61st, Oakland. One-story brick garage.

Owner.....A. W. Keil, 60th & Grove, Oakland.
Architect...None.
Contractor...C. Chubb, 1932 Linden, Oakland.
COST, \$4000

DWELLING

(182) E SHAFTER AVE 120 S 42nd, Oakland. One-story 6-room dwlg.
Owner.....Glenn R. Bell, 8 Fairview Ave., Piedmont.
Architect...None.
Contractor...B. A. Stewart, 616 41st, Oakland.
COST, \$2500

BRICK SHED

(183) NO. 487 TENTH, Oakland. One story brick shed.
Owner.....Perkins & Stiles.
Architect...None.
Contractor...W. S. Simpson & Co., San Leandro.
COST, \$500

ALTERATIONS

(184) NO. 715 PETERSON, Oakland. Alterations.
Owner.....Frank Barroero.
Architect...None.
Day's work. COST, \$500

DWELLING

(185) S RICH 328 W Webster, Oakland. One-story 5-room dwelling.
Owner.....Jos. T. Hinch, 1748 Broadway, Oakland.
Architect...None.
Day's work. COST, \$2500

DWELLING

(186) S RICH 290 W Webster, Oakland. One-story 5-room dwelling.
Owner.....Jos. T. Hinch, 1748 Broadway, Oakland.
Architect...None.
Day's work. COST, \$2500

DWELLING

(187) W EIGHTY-SEVENTH AVE 45 N Holly, Oakland. Two-story 6-room dwelling.
Owner.....John Allen, 1225 84th Ave., Oakland.
Architect...None.
Day's work. COST, \$2000

DWELLING

(189) N MENDOCINO AVE opp. Gray, Oakland. Two-story 10-room dwlg.
Owner.....David Hadden, Oakland Bank of Savings Bldg.
Architect...R. L. Holt, 2143 Center, Berkeley.
Contractor...Henry F. Weampelmeier, 6120 Taft Ave., Oakland.
COST, \$10,000

NOTE:—This building burned down while in course of construction and is now being rebuilt.

DWELLING

(190) S KEITH AVE 140 W McMillan, Oakland. Two-story 5-room dwelling.
Owner.....Geo. W. Nunes, 5430 Dover, Oakland.
Architect...None.
Day's work. COST, \$2500

DWELLING

(191) N WALNUT AVE 241 E Lilac, Oakland. One-story 6-room dwlg.
Owner.....Ed. M. Foy, 1540 Broadway Oakland.
Architect...None.
Day's work. COST, \$1650

FERRY SLIP

(192) PIER TERMINAL, Oakland. All work for ferry slip for railway No. 3. Owner.....San Francisco, Oakland Terminal Railway, 22nd & Grove, Oakland.

Architect...None.

Contractor...Healy-Tibbitts Constr. Co., 9 Main St., S. F.

Filed Feb. 6, '15. Dated Jan. 30, '15. Pulling and rafting old piles.\$3 each
Furnishing and driving creosoted piles49 cents per lin. ft.
Furnishing cast iron shoes for piles3 cents per lb.
Furnishing and placing untreated lumber\$30.60 per M. B. M.
Furnishing and driving green piles37½ cents per lin. ft.
Furnishing and placing concrete in reinforced concrete cylinders....
.....\$17 per cu. yd
Furnishing and placing reinforced steel in reinforced concrete cylinders2½ cents per lb.
Furnishing and driving reinforced concrete piles.....\$1.72 per lin. ft.
Furnishing and placing concrete in built up heads of piers.\$14 per cu yd
Furnishing and placing reinforced steel in built up heads of piers...
.....3 cents per lb.
20th of each month..... 75%
40 days after completed & accepted
..... 25%

TOTAL COST, \$—

Bond, \$25,000. Surety, Hartford Accident & Indemnity Co. Limit, 80 days after Feb. 1. Forfeit, \$62.50. Plans and specifications filed.

Building Contracts Awarded.

Berkeley.

No.	Owner	Contractor	Amt.
154	Hadsell	Engler	4000
155	Daniel	Bartlett	400
162	Joy	Joy	1000
165	Patterson	Osborn	3400
170	Marquis	Marquis	3500
174	Parker	Junk	4500
176	Mehes	Rourke	1000
188	Parker	Junk	4412

DWELLING

(154) W LEWISTON AVE 350 S Woolsey, Berkeley. Two-story 8-room dwelling.

Owner.....Dan Hadsell, 2420 Ward, Berkeley.

Architect...None.

Contractor...Louis Engler, 2728 Benvenue, Berkeley.

COST, \$4000

ALTERATIONS

(155) S HAWTHORNE TERRACE 200 W Euclid, Berkeley. Alterations.

Owner.....J. F. Daniel, 1421 Hawthorne Terrace, Bkly.

Architect...None.

Contractor...J. M. Bartlett, 1706 Parker, Berkeley.

COST, \$400

ALTERATIONS

(162) S VINE 85 W Hawthorne Terrace, Berkeley. Alter dwelling.

Owner.....Thadeus Joy, 2336 Vine, Berkeley.

Architect...None.

Day's work. COST, \$1000

DWELLING

(165) W BENVENUE AVE 50 S Stuart, Berkeley. Two-story 8-room dwelling.

Owner.....Anna R. Patterson, — Woolsey, Berkeley.

Architect...H. P. Smith, Blake Block, Oakland.

Contractor...A. Osborn, 1224 Spruce, Berkeley.

COST, \$3400

DWELLING

(170) NE ALVARADO ROAD & THE Tunnel Road, Berkeley. Two-story six-room dwelling.

Owner.....E. M. Marquis, 2827 Russell Berkeley.

Architect...None.

Day's work. COST, \$3500

DWELLING

(174) NE MOSSWOOD ROAD AND Arden Road Path, Berkeley. Three-story 8-room dwelling.

Owner.....Prof. C. H. Parker, 2425 Hearst Ave., Berkeley.

Architect...None.

Contractor...Junk-Riddell Investment Co., 2247 Telegraph Ave., Berkeley.

COST, \$4500

DWELLING

(176) NE GRAYSON AND TENTH, Berkeley. One-story 4-room dwlg.

Owner.....John Mehes, 1006 Grayson, Berkeley.

Architect...None.

Contractor...H. J. Rourke, 2832 8th, Berkeley.

COST, \$1000

FRAME DWELLING

(188) NE MOSSWOOD ROAD AND Arden Road Path being Lot 8 and W 7 Lot 7 Map University Hill, Berkeley. All work for two-story 8-room frame dwelling.

Owner.....Charleton H. Parker, 2425 Hearst Ave., Berkeley.

Architect...None.

Contractor...Junk-Riddell Investment Co., 2247 Telegraph Ave., Berkeley.

Filed Feb. 5, '15. Dated Jan. 29, '15.

Frame up ¼
Brown coated ¼
Completed and accepted..... ¼
Usual 35 days..... ¼

TOTAL COST, \$4412

Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications filed.

NOTE:—1st report Feb. 5, No. 174.

Building Contracts Awarded

Alameda.

No.	Owner	Contractor	Amt.
164	Schmidt	Bassett	1295

DWELLING

(164) W ST. CHARLES 125 N Santa Clara Ave N 50xW 175, Alameda. All work for one-story three-room dwelling.

Owner.....Dr. G. L. Schmidt, 1059 Santa Clara Ave., Ala.

Architect...None.

Contractor...E. D. Bassett, 804 Fruitvale Ave., Oakland.

Filed Feb. 1, '15. Dated Jan. 29, '15.

Ready for plaster..... ¼
Brown coated ¼
Completed and accepted..... ¼
Usual 35 days..... ¼

TOTAL COST, \$1295

Bond, \$650. Sureties, Jos. Flittner and French A. Younger. Limit, forfeit, none. Plans and specifications filed.

OAKLAND BUILDING TOTAL.

Issued By The Building Department, Oakland, Cal., for the Month of January, 1915.

1-story dwellings.....	35	\$ 59,700.00
1½-story dwellings....	1	2,470.00
2-story dwellings.....	7	32,363.00
2-story flats	3	17,660.00
2-story apartments....	1	22,000.00
2-story apmnts&stores..	1	9,450.00
1-st brick stores.....	2	25,240.00
1-story frame stores...	2	600.00
Brick & steel fr church	1	70,000.00
Brick theatre	1	6,000.00
Brick garage	1	3,000.00
1-story schools.....	4	2,700.00
2-story factory	1	1,000.00
Greenhouse	1	100.00
Playhouse	1	130.00
1-story store houses...	3	360.00
1-story office	1	110.00
Garages, sheds&stables	24	2,640.00
Work shops, tank frames and barns...	5	1,150.00
Alterations, additions and repairs	109	35,186.00
Total	204	\$291,859.00

SUMMARY

New construction	95	\$256,673.00
Alterations, additions and repairs	109	35,186.00
Total	204	\$291,859.00
Total for January, 1914...		\$257,786.40
Gain		\$ 34,072.60

COMPLETION NOTICES.

ALAMEDA COUNTY

Jan. 29, 1915—LOT 43 Map Fourth Ave Court, Okd. K M Sheridan to whom it may concern....Dec. 1, 1914
Feb. 1, 1915—LOT 8 BLK 14 Map Northbrae, Bkly. Anna S Wheldon to H H Schuessler.....Feb. 1, 1915
Feb. 1, 1915—E TELEGRAPH AVE 450 N Hawthorne Ave N 50x E 116, Okd. Margaret H Hart and Claire G Magill to F E Allen..Jan. 2, 1915
Feb. 3, 1915—LOTS 23 AND 24 BLK "B" Fourth Ave Park, Okd. Edwin Meese to E W Woodard..Feb. 3, 1915
Feb. 3, 1915—SE TWENTY-FIFTH & Grove S 60x E 90, Okd. St. George Hall Ass'n to W Blake..Feb. 1, 1915
Feb. 4, 1915—LOT 10 BLK "R" Map Leonard Tract, Bkly. F G Charles to H P Nelson.....Feb. 3, 1915
Feb. 4, 1915—WESTERN PACIFIC Company's Oakland Mole. Western Pacific Railway Co to Hyde, Harjes & Co.....Jan. 30, 1915

LIENS FILED.

ALAMEDA COUNTY.

Jan. 30, 1915—LOT 22 Map Ridge-wood, Okd. California Door Co vs Ferdinand Erpf and H H Weider\$178.35
Jan. 30, 1915—S TWENTY-SECOND 85 E San Pablo Ave E 45xS 129.25, Okd. National Roofing Co vs Alexander Thomson, Emily and M Erunsen\$76
Feb. 3, 1915—LOT 20 BLK "C" Map Oakland Highlands, Okd. S Bushman vs Cyril A Legris and J A Pilliod\$38
Feb. 3, 1915—LOT 63 AND N 10 LOT 64 Map North Side Park, Bkly. S Jorgensen vs Honora and C A

Doyle\$21
 Feb. 4, 1915—S SIXTH 100 W Broadway W 125 S 118 E 50 N 18 E 75 N 100, Okd. C L Cummins vs Greater Oakland Free Market, Inc.....\$125
 Feb. 6, 1915—LOTS 22 AND 23 BLK "O" Map Fruitvale Blvd Tct, Okd. Sunset Lumber Co vs Henry Coxon, Annabelle Coxon and Torrence S Peterson\$46.99
 Feb. 6, 1915—LOT 33 BLK "C" Map Fourth Ave Terrace, Okd. Sunset Lumber Co vs Joseph Dodd Simpson, Cecelia Simpson and Torrence S Peterson\$534.19
 Feb. 6, 1915—LOTS 12 AND 13 BLK "G" Map Foothill Park, Okd. Sunset Lumber Co vs Torrence S Peterson and Della T O'Donnell.....\$446.71
 Feb. 6, 1915—PTN LOTS 2 AND 3 Map W G Henshaw's Sbdvn Lots at 24th Street and Bay Place, Okd. Sunset Lumber Co vs Laura E and O E Allen and Renee Claire Broden.....\$801.36
 Feb. 6, 1915—S TWENTY-SECOND 35 E San Pablo Ave E 45xS 129.25, Okd. F R Gallagher vs Emily and M Brunsen and Alexander Thomson\$171.06

RELEASE OF LIENS

ALAMEDA COUNTY.

Feb. 1, 1915—SE SEVENTH AND Cypress E 39-6xS 100, Okd. United Iron Works to Matilda Newcum.....\$35.05
 Jan. 29, 1915—LOT 43 Map 4th Ave Court, Okd. Powell Bros Constr Co to K M Sheridan et al.....\$189.60
 Jan. 29, 1915—SW SIXTY-FOURTH Ave and Virginia W 112.97 S 30 E 112.81 N 34.89, Okd. Sunset Lumber Co to K M Sheridan et al.....\$43.75
 Feb. 4, 1915—SE GILBERT 160 SW Mather SW 40.80xSE 125, Oakland Hogan Lumber Co to W J Judson and Selden S Wright.....\$759.66

SAN JOSE AND THE SANTA CLARA VALLEY.

RESIDENCE — 2 story and base, frame, \$75,000. Burlingame, San Mateo Co., Cal. Architects, Havens & Toepke, 46 Kearny street, S. F. Owner, Mr. Zellerbach. The architects state that, while plans for this large residence are complete, figures for the construction will not be taken until late in the spring. Some preliminary estimates have been made. The dwelling will be of frame and concrete construction, costing in the neighborhood of \$75,000.

COLLEGE BUILDING—1 story and base, frame, \$20,000. College Park, Santa Clara Co., Cal. Architect, W. J. Wythe, Central Bank Bldg., Oakland. Owners, College of the Pacific. The building has been designed for class rooms and dormitory. Interior will be finished in pine and redwood. Maple floors will be used in the class rooms. There will be steam heat and open fire places. Mantels will be of tile. A hot water system will also be installed. Exterior of the building will be covered with cement plaster on metal lath. Plans are now being prepared.

SEWER WORK—Cost not stated. Napa, Napa Co., Cal. Engineer, City Engineer, Napa. Owners, City of Napa. Plans and specifications prepared by the City Engineer and submitted to the

City Council for the construction of a new sewer system in Alta Heights have been adopted by the City Council, and bids will soon be called for.

ROAD PAVING—Cost not stated. Redwood City, San Mateo Co., Cal. Engineer, County Surveyor Neuman, Redwood City. Owners, San Mateo County. Plans and specifications for paving a portion of the road from Menlo Park to Portola were presented by Surveyor Neuman and accepted, with the exception that the width of the roadway be increased from fourteen to sixteen feet.

HIGHWAY CONSTRUCTION — \$28,920. Redwood City, San Mateo Co., Cal. Engineer, County Surveyor Neuman, Redwood City. Owners, San Mateo County. The following bids were opened by the Board of Supervisors for the construction of the county highway from Hillsborough to Crystals Springs Lake: Chas. B. Lengren, \$34,635.26; Peterson & Grier, \$39,861.43; Sunset Construction Co., \$35,297.43. The County Surveyor's estimate on the work was \$28,920.88. The three bids received were rejected as they were considered too high. The clerk was instructed to call for new bids.

REDWOOD CITY, SAN MATEO CO., CAL.—Highway construction, \$28,920. Engineer, County Surveyor Neuman, Redwood City. Owners, San Mateo County. The following bids were opened for the construction of the county highway from Hillsborough to Crystal Springs Lake: Chas. J. Lengren, \$34,635.26; Peterson & Grier, \$38,861.59; Sunset Construction Co., \$35,297.43. The County Surveyor's estimate on the work was \$28,920.88. The three bids received were rejected as they were considered too high. The Clerk was instructed to call for new bids.

Contracts Awarded.

TRESTLE BRIDGE—\$1,281.10. Redwood City, San Mateo Co., Cal. Engineer, County Surveyor, Redwood City. Owners, San Mateo County. Contractor, B. S. Green, Redwood City. Contract price, \$1,281.10.

HIGHWAY CONSTRUCTION — \$23,564.28. Redwood City, San Mateo Co., Cal. Engineer, County Surveyor Neuman, Redwood City. Owners, San Mateo County. Contractors, Clark & Henry, Stockton. Contract price, \$23,564.28. Note: This contract covers the construction of the highway between Menlo Park and Portola. Other bids received were as follows: Blanchard-Brown Co., \$26,166.16; Frank T. Ritchie, \$29,820.36; Raisch Improvement Co., \$23,569.67; City Street Improvement Co., \$30,411.33; Federal Construction Co., \$24,744.20.

HIGHWAY CONSTRUCTION — \$43,529.02. Redwood City, San Mateo Co., Cal. Engineer, County Surveyor Neuman, Redwood City. Owners, San Mateo County. Contractors, Colma Construction Co. Contract price, \$43,529.02. Note: This contract covers the construction of a road from Colma to Edgemar. Other bids submitted were as follows: Hutchinson Co., \$51,304.92; Peterson & Grier, \$45,825.70; Wrightson, Anderson & Yost, \$62,511.88; Bates, Borland, & Ayer, \$55,244.82; Blanchard-Brown Co., \$45,896.90; Federal Construction Co., \$67,422.50; Howard-Ellison Co., \$55,129.40.

REDWOOD CITY, SAN MATEO CO., CAL.—Highway Construction, \$23,564.28. Engineer, County Surveyor Neuman, Redwood City. Owners, San Mateo County. Contractors, Clark & Henry, Stockton. Contract price, \$23,564.28. Note: This contract covers the construction of the highway between Menlo Park and Portola. Other bids received were as follows: Blanchard-Brown Co., \$26,166.16; Frank T. Ritchie, \$29,820.36; Raisch Improvement Co., \$23,569.67; City Street Improvement Co., \$30,411.33; Federal Construction Co., \$24,744.20.

REDWOOD CITY, SAN MATEO CO., CAL.—Highway construction, \$43,529.02. Engineer, County Surveyor Neuman, Redwood City. Owners, San Mateo County. Contractors Colma Construction Co. Contract price, \$43,529.02. Note: This contract covers the construction of a road from Colma to Edgemar. Other bids submitted were as follows: Hutchinson Co., \$51,304.92; Peterson & Grier, \$45,825.70; Wrightson, Anderson & Yost, \$62,511.88; Bates, Borland & Ayer, \$55,244.82; Blanchard-Brown Co., \$45,896.90; Federal Construction Co., \$67,422.50; Howard-Ellison Co., \$55,129.40.

BUILDING CONTRACTS

SAN MATEO COUNTY.

THEATRE AND CLUB HOUSE

LOT COR. BALDWIN AND GRIFFITH Aves, San Mateo. Electrical conduit, wiring, etc., for concrete and frame theatre and club house building. Owner.....Knights' of Columbus Hall Association, San Mateo. Architect...W. D. Shea, 244 Kearny, San Francisco.

Contractor...Standard Elec. Constr. Co., 60 Natoma, San Francisco. Filed Feb. 3, '15. Dated Jan. 18, '15.

All conduit work and wiring completed\$700
 All electric work completed..... 758
 Usual 35 days..... 486
 TOTAL COST, \$1944

Bond, \$1000. Surety, United States Fidelity & Guaranty Co. Limit, 90 days. Forfeit, none. Plans and specifications filed.

BRICK GARAGE

LOTS 1 AND 2 BLK 26, Third Addition to San Bruno Park. All work for brick garage.

Owner.....August J. Jenevein, San Bruno. Architect...None.

Contractor...Sydney Brittain, San Bruno.

When completed 75%
 Usual 35 days..... 25%
 TOTAL COST, \$846

Bond, none. Limit, 20 days. Forfeit, none. Plans and specifications filed.

SWIMMING POOL

PORTOLA VALLEY, 9 miles from Redwood City and 8 miles from Menlo Park. Waterproofing according to methods of Paraffine Paint Co. for reinforced concrete reservoir (swimming pool).

Owner.....William M. Fitzhugh. Architect...Reid Bros., California-Pacific Bldg., S. F.

Contractor...Barrett & Hip, Sharon Bldg., San Francisco.

Filed Jan. 27, '15. Dated Jan. 7, '15.

As work progresses

TOTAL COST, \$2175

Bond, \$1200. Surety, Pacific Coast Casualty Co. Limit, 30 working days from time of completion of excavation. Forfeit, \$10. Plans and specifications filed.

COMPLETION NOTICES.**SANTA CLARA COUNTY.**

RECORDED

ACCEPTED

Jan. 23, 1915—COR. KINGSLEY AND Cowper, Palo Alto. F W Allen to E C Curtis.....Jan. 14, 1915

LIENS FILED**SANTA CLARA COUNTY.**

RECORDED

AMOUNT

Jan. 29, 1915—LOTS 7, 8, 9, 10 and NE ½ Lot 12 Blk 11, Seal Tract, Palo Alto. R S Jewell vs H L Haehl and May Burrell Haehl.....\$400.64
Jan. 25, 1915—NR COR. ST. MARY'S and The Alameda, San Jose. John W McDonald Jr vs Norman B Kooser\$583.07
Jan. 25, 1915—NEAR COR. STOVER Alley and the Alameda, San Jose. John W McDonald Jr vs Jas A McCabe\$683
Jan. 28, 1915—NW ELEVENTH AND Santa Clara, San Jose. Hipotito Screen & Door Co vs Chas Colombet\$144
Jan. 29, 1915—NW ELEVENTH AND Santa Clara, San Jose. H M Johns Roofing Co, \$66; C E Scott, \$50 vs Chas Colombet
Jan. 30, 1915—NW ELEVENTH AND Santa Clara, San Jose. R Helwig, \$105.70; J C Erhart, \$54; Pacific Manufacturing Co, \$4921.07; T F Kerr, \$1104; H E Zimmerman, \$825; J Watson, \$209.50; F Gomez, \$35; Henry Cowell Lime & Cement Co, \$784.45 vs Chas Colombet.....

COMPLETION NOTICES**SAN MATEO COUNTY.**

RECORDED

ACCEPTED

Jan. 28, 1915—VALPARAISO AVE., Lot 4 of Valparaiso Park Tract, Menlo Park. Academy of the Sacred Heart to C A Ingerson.....
.....Jan. 26, 1915

MARIN, CONTRA COSTA AND SONOMA COUNTIES.

NAPA, NAPA CO., CAL. — Sewer work. Cost not stated. Engineer, City Engineer, Napa. Owners, City of Napa. Plans and specifications prepared by the City Engineer and submitted to the City Council for the construction of a new sewer system in Alta Heights have been adopted by the City Council, and bids will soon be called for.

REDWOOD CITY, SAN MATEO CO., CAL.—Road paving. Cost not stated. Engineer, County Surveyor Neuman, Redwood City. Owners, San Mateo County. Plans and specifications for paving a portion of the road from Menlo Park to Portola were presented by Surveyor Neuman and accepted, with the exception that the width of the roadway be increased from fourteen to sixteen feet.

RESIDENCE — 1 story and base,

frame, \$2500. Corte Madera, Marin Co., Cal. Architect, none. Owner, James P. Fletcher, 1104 Ellis street, S. F. The dwelling has been designed for a five-room house with bath and sleeping porch. Interior will be finished in pine and redwood. Hardwood floors will be used in the living and dining rooms. There will be an open fire place and tile or brick mantel. Tile wainscot will be used in the bath room and kitchen. Exterior of the house will be covered with rustic and cement plaster. Plans are complete and in the hands of the owner who will do the work by Day Labor.

CHURCH—2 story and base, frame, \$10,000. Sebastopol, Sonoma Co., Cal. Architect, W. J. Wythe, Central Bank Bldg., Oakland. Owner, First Methodist Episcopal Church of Sebastopol. The building has been designed in the Mission style and will contain the main auditorium, Sunday school rooms, social hall and pastor's study. Interior will be finished in pine and redwood. Art glass windows will be installed. A central heating system, probably furnace heat, will be provided. Exterior of the building ill be covered with cement plaster on metal lath. Plans are nearly complete and figures will be called for in about a week. Further mention will be made of this work.

JAIL—2 story and base. Class A construction, \$60,000. San Rafael, Marin Co., Cal. Architect, Thomas O'Connor, 104 D street, San Rafael. Oners, Marin County. At a meeting of the Board of Supervisors a resolution was introduced by Supervisor Casper Gardner, requesting the County Architect to prepare plans and specifications for the erection of a new county jail on the northeast corner of the Court House grounds. The new structure will include the Sheriff's office, Morgue, Emergency Hospital, Probation Officer's quarters and the jail up stairs. No action was taken by the Supervisors. The matter will come up for consideration at a later meeting of the Board.

PURIFICATION SYSTEM—Cost not stated. San Rafael, Marin Co., Cal. Architect, Thomas O'Connor, 104 D street, San Rafael. Owners, City of San Rafael. Plans are complete and figures are now being taken for the installation of a salt ater purification system in the Municipal Bath House. Bids will be opened on February 18th. Plans and specifications can be secured from the architect.

SCHOOL—2 story and base, brick, \$51,245. Rio Vista, Solano Co., Cal. Architect, Henry C. Smith, Humboldt Bank Bldg., S. F. Owners, Rio Vista Joint Union High School District. Contractors, Construction and Engineering Co., S. F., general construction, \$45,938; Morgan & Co., S. F., heating and ventilating. Contract price, \$4,865; Standard Electric Time Co., S. F., program clocks, \$1,342, and Barton & Hite, Sacramento, electric fixtures, \$465.

BOILER HOUSE, ETC.—Brick construction, \$6,000. Richmond, Contra Costa Co., Cal. Engineer, Engineering Department. Standard Oil Co., S. F. Owners, Standard Oil Co. Work will start within a few days on the construction of a new boiler house to be erected for the Standard Oil Co. The

building will cost in the neighborhood of \$6,000 and will be of brick construction. Twenty 200-horse power boilers will be installed on completion of the new structure. Assistant Engineer E. J. Garrard is in charge of the work at the Richmond plant.

TANNERY BUILDING — brick and frame, \$20,000. Benicia, Solano Co., Cal. Architect's name not given. Owners, Benicia Tannery, Benicia. The Benicia Tannery, which has completed a new \$20,000 building at Benicia, announces the immediate construction of another building and other improvements to cost about \$20,000.

COLD STORAGE PLANT — Frame construction, \$15,000. Sebastopol, Sonoma Co., Cal. Architect's name not given. Owners, Apple Growers' Association, Sebastopol. The erection of a cold storage plant at Sebastopol was made certain when the stockholders of the Apple Growers' Union in session at Sebastopol authorized the directors to incur an indebtedness not to exceed \$15,000 for the work. It is planned to have the plant completed to handle this season's crop.

BUILDING CONTRACTS**CONTRA COSTA COUNTY.**

ADDITION

UPON LOT OF LAND IN TOWN OF Pinole. Carpenter and mill work, lathing and plastering, grading, concrete work etc., and work made by Architect for tower or addition to present Catholic Church.

Owner.....Roman Catholic Archbishop, 1100 Franklin St., San Francisco.

Architect...John J. Foley, 46 Kearny St., San Francisco.

Contractor...Littlefield & Winkler, Richmond.

Filed Jan. 30, 15. Dated Jan. 21, 15.

Rough frame completed and accepted by architect.....\$300
Entire work of contract completed 300
Usual 35 days..... 200

TOTAL COST, \$800

Bond, \$400. Sureties, Frank M. Silva and Jas. H. Chichester. Limit, 40 working days. Forfeit, none. Plans and specifications filed.

LIENS FILED**MARIN COUNTY.**

RECORDED

AMOUNT

Feb. 2, 1915—SAUSALITO, Marin Co. Duncan Mills Land & Lumber Co (corp) vs Geo Qadros\$38.87

RELEASE OF LIENS**MARIN COUNTY**

RECORDED

AMOUNT

Feb. 2, 1915—SAUSALITO, Marin Co. Louis Lambretti to Christina Wind\$225

FRESNO, MODESTO, STANISLAUS AND CENTRAL CALIFORNIA

INCINERATOR—Brick construction, \$60,000. Fresno, Fresno Co., Cal. Engineers name not given. Owner, E. M. Prescott, Fresno. The proposition of E. M. Prescott of the Fresno Brick and

E. H. Williams Chalmer Munday

Munday & Williams

Attorneys-at-Law

Special Attention Given to Building
Law and Bankruptcy Cases

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Wybro

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Veneered Panels of
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Whichever way you look at it, WYBRO PANELS are "different." They are different in quality, for no other panels on the market approach them in that respect.

They are different in finish, always smooth and even—and there are over 200 varieties to choose from.

It's the right panel for every use.

Tile Co. to build a \$60,000 incinerator, has been accepted by the City Council. The Clerk has been instructed to advertise for bids.

STATE NORMAL SCHOOL—1 and 2 story and base, brick and steel. Cost not stated. Fresno, Fresno Co., Cal. Architect, State Architect George B. McDougall, Sacramento. Owners, State of California. Bids were opened on February 1st for the general construction of the main building, gymnasium and boiler house, for the plumbing in the main building, gymnasium and boiler house, and for the boiler plant equipment for the gymnasium and boiler house. The Winget Construction Co., Grant Bldg., L. A., were low on the general construction at \$248,641. Arthur Hess, L. A., was low on the plumbing, and Thomas Haverly Co., also of Los Angeles, was low on the boiler plant equipment. Contracts have not been awarded. A complete list of the figures submitted will be found under the heading of Fresno, Modesto and Central California in this issue.

HOTEL—2 story and base, brick and steel, \$50,000. Fresno, Fresno Co., Cal. Architect, R. L. Felchin, Fresno. Owner, Fulton G. Berry Estate. The building will be erected on J street, covering an area of 50 by 150 feet. Foundations and frame have been designed to carry additional stories. There will be an office and lobby on the ground floor while upper floors will be arranged for single rooms and baths. Interior will be finished in pine and hardwood. Bath rooms will have tile floors and wainscot. Plans provide for steam heat, oil burning

system and a hot water supply. The hotel will be conducted in connection with a hotel already in operation. Exterior of the building will be faced with pressed brick. Plans are complete and figures are being taken.

SCHOOL—1 story and base, frame, \$8,000. Salida, Stanislaus Co., Cal. Architect, Ernest J. Kump, Fresno. Owners, Salida School District. The building has been designed for a district school and will contain three class rooms, teachers' room and toilets. Interior will be finished in pine throughout. Modern school plumbing will be installed. Exterior of the building will be covered with cement plaster on metal lath. Plans are now being prepared.

SCHOOL—2 story and base. Class C construction, \$117,400. Fresno, Fresno Co., Cal. Architect, Eugene Mathewson, Forsyth Bldg., Fresno. Owners, City of Fresno. Bids were opened on February 5th for the construction of the new Washington School. Trehitt & Shields, Fresno, were low on the general construction at \$103,988; J. C. Hurley, San Francisco, low on the heating and ventilating at \$12,838, and Hughson & Merton, Fresno, low on the program clocks at \$1,097. Contracts have not been awarded. A complete list of these bids appears under the heading of Fresno, Modesto and Central California in this issue.

Contracts Awarded

ELECTROLIER SYSTEM — \$36,973. Fresno, Fresno Co., Cal. Engineer, Engineer, City Engineer, Fresno. Owners, City of Fresno. Contractors, Wood-

hill-Hulse Electric Co., L. A. Contract price, \$36,973.

BRIDGE—Timber construction, \$1,577. Modesto, Stanislaus Co., Cal. Engineer, County Surveyor, Modesto. Owners, Stanislaus County. Contractor, W. H. Warwick, Jr., Modesto. Contract price, \$1,577.

Washington School Work Attractive.

Big Fresno City School Job Brings Out
Ten General Figures From San
Francisco and Los Angeles.

(By Special Wire.)

FRESNO, CAL., Feb. 5th, 1915.—Bids were opened by the Fresno Board of Education at 8 P. M., Friday, February 5th, for the construction of the new Washington School, a two-story and basement brick structure designed by Architect Eugene Mathewson, Forsyth Bldg., Fresno. Ten bids for the general construction were received and show Trehitt & Shields, Fresno, low at \$103,988. Four bids for the heating and ventilating were opened and show J. C. Hurley low at \$12,838. Hughson & Merton presented the low figure on the program clock work at \$1,097. W. D. Coates is the Supervising Architect.

Followings is a complete list of the bids received:

General Construction, Washington School.

Trehitt & Shields.....\$103,988.00
Riggins & Palmer..... 109,500.00

Williamson's Continuous Clothes Line Outfit

Clothes Line Problem Solved At Last

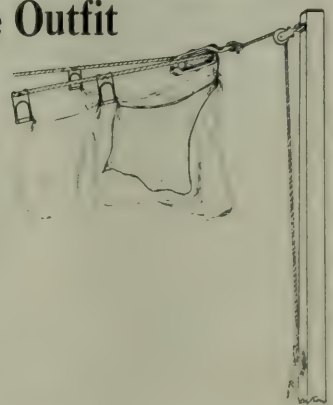
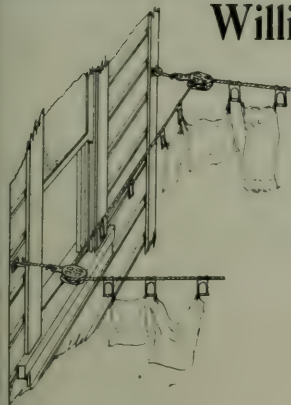
DOUBLE your line space, use all the line. No empty top line, keeps the clothes free from the soiled line, making it Sanitary. Take clothes off any part of line without removing the wet clothes.

CONSTRUCTION: The pulleys are made of cast iron galvanized; so constructed as to allow the patent clothes pine to pass through carrying the clothes around the pulleys, thereby using both lines.

BY using three pulleys, the lines are spread apart as shown in the picture and allows you to put clothes on or take them off the line without hanging out of the window side-ways. The clothes pin is made of heavy galvanized wire formed in such a manner as to allow it to be fastened to the clothes line very easily; nothing complicated to get out of order. Holds the clothes free from the line so the lines need not be covered with cloth-strips in order to keep the clothes from being soiled from the line. The strongest wind cannot blow the clothes out of the pins as they are held in a spring slot. When the wind blows it pulls the clothes deeper into the slot holding them tighter.

NO SPRINGS TO PRESS OR SQUEEZE
to get the clothes in or out. Just slip clothes in slot and pull down. WILL hold the daintiest fabrics or the heaviest blanket. 1340 Mission St. Phone Mkt. 4008.

THIS OUTFIT CONSISTS OF 3 DOZEN
Sanitary, Stronghold, Clothes Pins, 3 Continuous
Clothes Line Pulleys and 1 Pair Line Splicers.
Price, \$2.00 per Set.



Smith & James	195,961.50
Caldwell & Sons	119,476.00
Frank Rehorn	107,500.00
James L. Daly	105,600.00
Alta Planing Mill Co....	119,753.00
Gede & Sons	114,392.00
R. W. Moller	114,585.00
Lindgren Company	112,900.00

Heating and Ventilating.

Foss & Jones	\$12,994
Kutner-Goldstein Co.	16,643

J. C. Hurley Co.	12,838
Robert Dalziel Jr.	14,150

Program Clocks.

Hughson & Merton.....\$1,097
 Standard Electric Time Co.. 1,165
 The average of the ten bids submitted for the general construction is \$111,365.55, making Trewhitt & Shields' bid about 9.4 per cent low. Three San Francisco firms submitted figures on the work.

Complete List Of Figures For Fresno State Normal School

Big State Job Will Be Erected By Winget Construction Co. of Los Angeles.
Work Includes Only Portion of the Buildings to be Erected. Plumbing Work and Boiler Equipment Also Goes to Los Angeles Men.

The following complete list of figures on the construction work at the Fresno State Normal School are published in addition to those given Tuesday **General Construction, Main Building, Gymnasium and Boiler House.**

Name	Time	Bid
Winget Constr. Co.	300 days	\$248,641
F. O. Engstrom	240 days	258,672
W. E. Kier Constr. Co.	300 days	263,600
F. Rolandi	250 days	274,300
Howard S. Williams	300 days	275,913
Alfred Kohn and Foster-Vogt Co.	300 days	279,590
Frank Rehorn	340 days	280,000
The Sound Constr. & Eng. Co.	300 days	281,605
Larsen-Sampson Co.	300 days	283,000
Van Sant-Houghton Co.	300 days	284,990
L. G. Bergren & Son	300 days	286,472
R. W. Moller	265 days	287,950
John J. Leonard	300 days	288,244
Caldwell & Son	300 days	288,810
Lindgren Company	250 days	292,855
Somers-Lund Company	300 days	293,500
McLeran & Peterson	300 days	294,799
John Mulder	300 days	298,000
Alta Planing Mill Co.	300 days	299,844
Lewis A. Hicks Co.	300 days	302,000
Lange & Bergstrom	300 days	309,763
C. L. Wold Co.	340 days	309,955
Louis Cereghino & Son	400 days	315,153
Grant Fee	300 days	331,000
Merchants Realty & Investment Co.	300 days	428,963

Plumbing For Main Building, Gymnasium and Boiler House.

Name	Time	Bid
F. O. Engstrom Co.	240 days	\$ 38,880
Arthur Hess	300 days	39,746
Thomas Haverty Co.	100 days	39,800
Hateley & Hateley		40,285
F. P. Walsh	300 days	41,502
Robert Dalziel, Jr.	300 days	44,987
Pacific Fire Extinguisher Co.	175 days	46,500
Scott Company	300 days	46,635
Frederick W. Snook Co.	300 days	46,896
J. E. O'Mara	300 days	47,785
Latourette-Fical Co.	300 days	48,200
Seibert Company	300 days	48,523
Grant Fee	300 days	51,500
Yager Sheet Metal & Plumbing Co.	120 days	20,080

F. O. Engstrom Co. requested that their bid be not considered unless they are awarded the general contract.

Grant Fee requested that his bid be not considered unless he is awarded the general contract.

The Yager Sheet Metal & Plumbing Co. bid only on the sheet metal and roofing.

Boiler Plant Equipment, Gymnasium and Boiler House.

Name	Time	Bid
Thomas Haverty Co.	90 days	\$ 10,750
F. P. Walsh	150 days	10,787
Scott Company	150 days	11,080
Robert Dalziel, Jr.	150 days	11,217
Pacific Fire Extinguisher Co.	150 days	11,300
Seibert Company	Specified	11,931
Frederick W. Snook Co.	300 days	12,200
Latourette-Fical Company	300 days	12,400
Grant Fee	300 days	13,000
Arthur Hess	150 days	15,349

The average of the twenty-five bids submitted for the general construction is \$294,194. This brings the low bidder just \$45,163 below the average or 15.4 per cent. Only four Los Angeles firms appear among the high bidders, although the highest figure received came from a Los Angeles firm.

SACRAMENTO, STOCKTON AND NORTHERN CALIFORNIA.

SEWERS—Cost not stated. Willits, Mendocino Co., Cal. Engineer, City Engineer, Willits. Owners, City of Willits. The City Engineer has been instructed by the City Trustees to prepare plans and specifications for the construction of a system of storm sewers, which will cover a considerable area. After plans for the sewers have been complete and the work finished, the paving of the new sewer district will be ordered.

ROAD IMPROVEMENT — \$65,000. Stockton, San Joaquin Co., Cal. Engineer, County Surveyor Frank E. Quail, Stockton. Owners, San Joaquin Co. The County Surveyor has about completed plans and specifications for the improvements to be made shortly on the Upper Sacramento and Mokelumne Hill roads in San Joaquin. Quail states that work on the Upper Sacramento project will cost in the neighborhood of \$60,000. This improvement was recently advocated by the ranchers of that section before the Board of Supervisors. The Mokelumne Hill undertaking, according to the plans will cost about \$6,000 or \$7,000.

STATE HIGHWAY — \$81,592.98. Butte Co., Cal. Engineer, State Highway Commission, Forum Bldg., Sacramento. Owners, State of California. Bids were opened at the last meeting of the State Highway Commission for the construction of Division 3, Route 3, Section C, of the State Highway in Butte County. Whitlock & Gorrill of San Francisco submitted the lowest figure at \$71,267.80. A contract has not been awarded. A complete list of the bids received will be found under the heading of Sacramento and Northern California in this issue.

WATER MAIN SYSTEM—\$2,000,000. Sacramento, Cal. Engineers, Charles Gilman Hyde and G. H. Wilhelm, Sacramento. Owners, City of Sacramento. The City Commission instructed City Attorney Archibald Yell to prepare a contract for the employment of Charles Gilman Hyde and G. H. Wilhelm as consulting engineers to advise the city in the laying of new water mains for which bonds of \$2,000,000 were voted.

WATER SYSTEM EXTENSION—\$2,700. Lodi, San Joaquin Co., Cal. Engineer, City Engineer, Lodi. Owners, City of Lodi. This city will extend its municipal water service to the newly annexed district in the western portion of the city. The City Trustees have authorized the purchase of the necessary material. The extension will cost about \$2,700.

COURT HOUSE ALTERATION AND FIXTURES—Cost not stated. Stockton, San Joaquin Co., Cal. Architect, Joseph Losekahn, San Joaquin Bldg., Stockton. Owners, San Joaquin County. The following bids were received for the metal furnishings in the Auditor's office, County Court House at Stockton and for alterations to the Sheriff's office. Bids for both jobs were taken under advisement:

Steel Fixtures and Furnishings: M. G. West Co., \$3,710; Capital Steel Metal Works, \$3,468; F. W. Wentworth Co., \$4,137; J. C. McQuilkin Co., \$3,825; Fireproof and Sheet Metal Co. (represented by Tredway Bros.), \$3,125.

Alteration to Sheriff's Office: Bids for remodeling the northwest portion

of the lower floor of the court house for the reception of the Sheriff's offices were opened as follows: Ralph Prouty, \$1,350; Powell & Medberry, \$1,398; Zinch & W. E. French, \$1,720; Daniels & Green, \$1,848; D. Burns, \$1,583.

BANK AND OFFICES—7 story and base. Class A construction. Cost not stated. Sacramento, Cal. Architect, R. A. Herold, Forum Bldg.; Sacramento. Owners, Capitol National Bank. The building will be erected at the southeast corner of Seventh and J streets and will cover an area of 80 by 86 feet. Construction will be fireproof with a complete steel frame and walls of brick and concrete. Concrete floors and roof slabs will be used. Interior partitions will be of hollow tile. Metal window sash and frames are specified. The main floor, basement and a mezzanine floor will be occupied by the bank and will be finished in hardwoods, tile, marble and ornamental plaster. Special bank fixtures, coin and safe deposit vaults will be installed. Upper floors will be finished in pine and hardwood. There will be steam heat, elevator service and a vacuum cleaning system. Exterior of the building will be faced with pressed brick and terra cotta. Plans are nearly complete and figures will be called for shortly.

SCHOOL—2 story and base, brick, \$65,000. Stockton, San Joaquin Co., Cal. Architects, Stone & Wright, 24 South California street, Stockton. Owners, City of Stockton. The building will be erected at the corner of North street and the Sacramento road, and has been designed to contain 12 class rooms, an assembly hall and departments of domestic science and manual training. Interior will be finished in pine and redwood. Maple floors will be used in the class rooms. There will be steam heat and modern school plumbing. Special ventilating system will be installed. Slate blackboards will be installed. Exterior of the building will be faced with stock brick trimmed with terra cotta. Plans are complete and figures are being taken. Bids will be opened on February 24th. Plans and specifications can be secured from the architects.

DREDGER AND BRIDGES—Cost not stated. Stockton, San Joaquin Co., Cal. Engineer, County Surveyor, Stockton. Owners, San Joaquin County. The Board of Supervisors has adopted plans and specifications for the type of dredger to be used in throwing up a grade for the Borden road, traversing the delta section and shortening the distance between Stockton and Oakland. Bids for the dredger will be received up to March 2nd. Plans for two bridges to be constructed along this road are now being completed.

BUILDING CONTRACTS

SACRAMENTO COUNTY.

RESIDENCE

NO. 2705 E ST., on E ½ of S ½ Lot 8, E, F, 27th and 28th Sts., Sacramento. One-story 6-room frame residence. Owner.....Thomas Flynn, 2430 G St., Sacramento. Architect...None. Contractor..W. R. Saunders, 2810 I St., Sacramento. COST, \$2200

ADDITION

NO. 1901 J ST., on W ½ of S 85 feet of Lot 8, I, J, 19th and 20th Sts., Sacramento. Add one-story brick automobile sales room to building. Owner.....T. Wah Hing, 725 J St., Sacramento.

Architect...None. Contractor..A. Shroth, 725 J St., Sacramento. COST, \$2000

RESIDENCE

NO. 3015 C ST., on E ½ of Lot 7, B, C, 30th and 31st Sts., Sacramento. One story frame residence. Owner.....Antonini Masi, 1015 Alley, bet. D and E Sts., Sacramento.

Architect...None. Contractor..Peter Leoni, 1330 V St., Sacramento. COST, \$1600

PUBLIC GARAGE

NO. 1907 ALLEY, bet I and J Sts., on E ½ of N ½ of Lot 8, I, J, 19th and 20th Sts., Sacramento. One-story frame public garage. Owner.....T. Wah Hing, 725 J St., Sacramento.

Architect...None. Contractor..A. Shroth, 725 J St., Sacramento. COST, \$1000

ALTERATIONS

NO. 905 K ST., Sacramento. Alter interior of store. Owner.....Archibald & Hamilton, 905 K St., Sacramento.

Architect...None. Contractor..Siller Bros., 1614 13th St., Sacramento. COST, \$500

ADDITION

GUTHRIE STATION on 45 acre Tract on Upper Stockton Road, Sacramento Build addition to building. Owner.....John Bluel of Guthrie Station, Sacramento.

Architect...None. Contractor..Bill Johnsen, Guthrie Station. COST, \$500

PRIVATE GARAGE

E ½ LOT 6, O, P, 22nd and 23rd Sts., Sacramento. One-story frame private garage.

Owner.....James Fallrath, 2223 P St., Sacramento. Architect...None. Contractor..C. J. Ettell, 1515 23rd St., Sacramento. COST, \$450

RESIDENCE

NO. 3006 D ST., on E ½ of N ½ Lot 1, D, E, 30th and 31st Sts., Sacramento. Six-room residence. Owner.....John N. Rountre, 815 ½ 20th St., Sacramento.

Architect...None. Contractor..William M. Morris, 816 20th, Sacramento. COST, \$2000

FRAME BUILDING

LOT 7, B, C, 30TH AND 31ST STS., Sacramento. Frame building. Owner.....Antonine Masi & Guisepina Masi. Architect...None.

Contractor..Peter Leoni, 1415 P St., Sacramento.

Filed Feb. 3, '15, Dated Jan. 29, '15. COST, \$1545

SAND BLAST REAR WALL.

NO. 505 J ST., on Lot 8, I, J, 5th and 6th Sts., Sacramento. Sand blast rear wall of building.

Owner.....Young Men's Christian Association. Architect...None.

Contractor..John S. Martin, 24 California, San Francisco. COST, \$1000

LOS ANGELES AND SOUTHERN CALIFORNIA.

ORNAMENTAL CAST IRON LIGHTING POSTS AND LIGHTING FIXTURES—Cost not stated. Pomona, Los Angeles Co., Cal. Engineer, Edward Baker, Superintendent of Streets, Pomona. Owners, City of Pomona. Ornamental cast iron electric light posts are to be installed on eight of the principal streets in Pomona. Plans are complete and the City Council has passed resolutions of intention calling for bids on the work. Complete information can be secured by addressing the Superintendent of Streets, Edward Baker, Pomona.

APARTMENT HOUSE—2 story and base, brick and steel, \$35,000. Los Angeles, Cal. Architect, L. L. Jones, Central Bldg., L. A. Owner, L. L. Jones, Central Bldg., L. A. The building will be erected at the corner of Westmoreland and 7th streets, covering an area of 60 by 135 feet. There will be a total of fifty rooms, arranged in suites of three, four and five rooms. Interior will be finished in pine with some elm panels. Hardwood floors will be used in the living and dining rooms. Plans provide for steam heat, an automatic elevator and hot water system. Private baths and wall beds will be used in all apartments. Vacuum cleaning is also specified. Bath rooms will be finished in tile. Entrance will have marble wainscot. Exterior of the building will be faced with pressed brick. Plans are complete and the work will be done by Day Labor.

HOTEL AND STORES—2 story and base, brick. Cost not stated. Los Angeles, Cal. Architect, none. Owner represented by E. Anderson, 950 West 37th Place, L. A. The building will be erected at the corner of Main and Jefferson streets and will cover an area of 137 by 219 feet. The building has been designed for a six-story structure. There will be thirteen stores on the ground floor besides the hotel entrance and lobby. Upper floor will contain a total of 68 rooms and a number of baths. Interior will be finished in pine throughout. There will be steam heat and a hot water supply. Patent store fronts are specified. Exterior of the building will be faced with pressed brick. The carpentry work will be done by Day Labor. Mr. Anderson is now taking subfigures on all other parts of the work.

LIBRARY—1 story and base, brick, \$25,000. Los Angeles, Cal. Architects, Kysor & Biggar, Wright and Callender Bldg., L. A. Owners, City of Los Angeles. Bids opened for this work show H. E. Larie, Watts, low on the general construction at \$22,949, and Cass-Smurr-Damerel Co., L. A., low on the heating and ventilating at \$1,375. Contracts have not been awarded. The building will cover an area of 48 by 100 feet.

POST OFFICE—2 story and base, \$150,000. Long Beach, Los Angeles Co., Cal. Architect, Supervising Architect Oscar Wenderoth, Washington, D. C. Owners, United States Government. The original appropriation for constructing the Federal building at Long Beach has been reduced from \$308,000 to \$150,000. This amount is now available and construction will be started very shortly. The building will be a two-story and basement, fireproof fireproof structure. Further notice will be given when bids are called.

RAILROAD STATION—1 and 2 story and base, reinforced concrete, \$260,000. Los Angeles, Cal. Architects, Hunt & Burns, McLaughlin Bldg., L. A. Owners, Salt Lake Railroad Co. Preliminary plans have been prepared for a large reinforced concrete passenger station which is to be erected on the east bank of the Los Angeles River south of Seventh street. In connection with the construction of this building the railroad company has asked the City Council for the vacation of parts of certain streets. This matter is now under consideration by the Street Committee, and construction cannot be undertaken until this is settled. Further mention will be made of the work.

SCHOOL—2 story and base. Class A construction, \$45,000. Los Angeles, Cal. Architect, A. C. Martin, Higgins Bldg., L. A. Owners, City of Los Angeles. The building will be erected on Macy street, and has been designed for an eight-room school with assembly hall and domestic science department. Interior finish will be of pine throughout. Maple floors will be used in the class rooms. There will be steam heat, modern school plumbing and a vacuum cleaning system. Exterior of the building will be faced with pressed brick. Plans are now being prepared.

SCHOOL—1 story and base, hollow tile construction. Cost not stated. Los Angeles, Cal. Architect, W. C. Fennell, Baker-Detwiler Bldg., L. A. Owners, Hawthorne School District. The building will cover an area of 175 by 75 feet. The building will contain eight class rooms, assembly hall, library, teachers' rooms, principal's office and departments for manual training and domestic science. Interior will be finished in pine with some maple floors. Plans provide for a central heating system and modern school plumbing. Program clocks and vacuum cleaning will be installed. Exterior of the building will be faced with cement plaster. Plans are complete and figures are now being taken. Bids will be opened on February 20th.

SCHOOL—2 story and base, brick. Cost not stated. Los Angeles, Cal. Architects, Hudson & Munsell, Stimson Bldg., L. A. Owners, City of Los Angeles. The building will be erected on Staunton avenue and has been designed to contain eight class rooms and an auditorium seating 250 people. Corridors and stairways will be of reinforced concrete. Interior finish will be of pine with maple floors in the class rooms. Plans provide for steam heat, modern school plumbing and vacuum cleaning system. Exterior of the building will be faced with pressed brick. Plans are being prepared.

SCHOOL GROUP—1 and 2 story, hollow tile construction, \$135,000. Redondo, Los Angeles Co., Cal. Architects, Allison & Allison, Hibernian Bldg., L. A. Owners, Redondo School District. Bonds in the sum of \$150,000 have been voted and sold. No plans have been prepared and none of the details have been determined. Preliminary plans will be prepared by the architects at once. Further mention will be made of the work.

SCHOOL GROUP—1 and 2 story, reinforced concrete, \$150,000. San Fernando, Los Angeles Co., Cal. Architect, John C. Austin, Baker-Detwiler Bldg., L. A. Owners, San Fernando High School District. Bonds in the sum of \$150,000 have been voted and sold. The new building will include the auditorium, science hall and mechanics' building. The construction will be of reinforced concrete with plastered exterior and tile roofs to correspond with the present buildings. Plans are being prepared.

Contracts Awarded.

COMMISSARY BUILDING AND CAR SHED—2 story and base, brick, \$30,000. Los Angeles, Cal. Engineer, Chief Engineer G. W. Harris, Kerchoff Bldg., L. A. Owners, Santa Fe Railroad Co. Contractor, A. W. Anson, 845 Third street, Santa Monica. Contract price, \$30,000.

PORTLAND AND OREGON

CAST IRON PIPE AND PIPE FITTINGS—Cost not stated. Portland, Ore. Engineer, City Engineer, Portland. Owners, City of Portland. Plans are complete and figures are now being taken for furnishing the City of Portland with approximately 5,000 tons of cast iron pipe and pipe fittings. Bids will be received for the following quantities and sizes: 200 tons 6-inch, 1,000 tons 8-inch, 430 tons 12-inch, 600 tons 24-inch, 2,330 tons 30-inch, and 50 tons of specials and fittings. The date for opening bids has not been set. Complete information can be had from the City Engineer.

SCHOOL—2 story and base, brick, \$15,000. Silverton, Ore. Architect, P. Chapell Browne, Mohawk Bldg., Portland. Owners, City of Silverton. The building will cover a ground area of 90 by 75 feet and has been arranged to contain ten class rooms and an auditorium to seat 250 people. The steam heating system installed in the former building will be used in the new. Interior finish will be of pine throughout. Modern school plumbing will be installed. Exterior of the building will be faced with pressed brick. Plans are complete and a general contract will be let.

SEATTLE AND WASHINGTON

BRIDGE—Steel span, \$25,000. Renton, Wash. Engineer, County Surveyor Denton, Seattle. Owners, King County. Bids are now being received by the County Commissioners for the construction of a 120-foot span steel bridge over the Duwamish River at Renton Junction. The bids will close on or about February 25th. The estimated cost of the structure is placed at \$25,000.

CLASSIFIED INDEX.

ASSOCIATIONS AND EXCHANGES.

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AUTOMOBILE TURNABLES.
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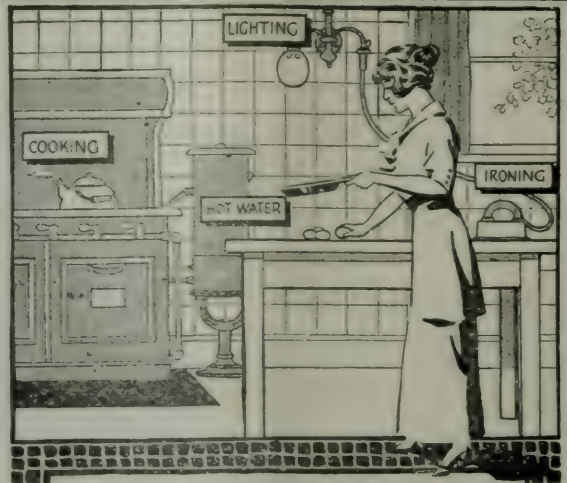
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Building and Engineering News

Devoted to the Architectural, Building, Engineering and Industrial Activities
of the Pacific Coast.

Issued Weekly, \$3.00 per year

San Francisco, February 17, 1915

Fifteenth Year, No 7



Devoted to the Architectural, Engineering, Building and Industrial Activities of the Pacific Coast.

Circulates among the leading Architects, Engineers, Surveyors and Contractors and Municipal Authorities on the Pacific Coast.

Entered as second-class matter at San Francisco Post Office under act of Congress of March 3, 1879.

ISSUED EVERY WEDNESDAY

L. A. LARSEN,
Publisher and Proprietor.
SAN FRANCISCO OFFICE
560 Mission Street.

Telephone—Douglas 2372.
OAKLAND OFFICE

1011 Franklin St., Builders' Exchange.
Telephone Oakland, 790

Advertising Rates on application. If enquirers will send copy of matter and state space required, close figures will be given.

Subscription Rates—One Year, \$3.00; Two Years, \$5.00; Five Years, \$10.00, payable strictly in advance. Single copies, 15c.

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Editorial Comment.

Last year there was a bumper wheat crop all over the middle west. The high price for wheat at present is \$1.67 per bushel being just about double the price of a year ago. Corn has a similar record, the high price at present running up to about 87 cents per bushel. Hogs and cattle hold a correspondingly high price so that throughout all the middle west the farmers have an unusual market and it should bring unexampled prosperity in its train. Kansas City is a market for all these products. Beef and pork and grain are the daily quotations on its exchanges and the very life of the City depends upon the prosperity of the great agricultural country of which it is the clearing house. The world is now getting a great part of its food supply from this vast granary of the Mississippi Valley. The meat packing establishments are working over time to supply the orders for the European nations. In spite of these good crops, good products, good prices and good markets the people in these central cities are finding the same problem of unemployment and poverty that is confronting the people of the Pacific slope. Kansas City alone has six soup kitchens running and feeding the destitute people. So that even in the districts that are profiting most by the expenditures of war there seems to be a lot of people unemployed on account of the derangements of the natural order of business. Prosperity for the farmer, however, is basic prosperity and in the end matters will adjust themselves to conditions.

The recent filibuster in the Senate shows how antiquated that body has become, how wedded to precedent and how slow it is to change its methods of procedure. In a democracy and under a popular form of government the majority should rule. When a Senator gets up and reads a newspaper including the want advertisements and speaks all day and all night and says nothing just in order to keep a matter from coming to a vote it is high time that the Senate should change its rules of procedure.

Thomas Jefferson said that a state should change its constitution every 19 years if it so desired. Certainly the Senate should change its rules in such instances as this at least once in a generation. The British parliament is at all times amenable to changes. It acts are the fundamental law of the land. Thus its constitution changes with its laws and there is more mobility of the laws of the land.

The United States Senate is an antiquated body any way. The election of Senators by the direct vote of the

people will change the personnel of that body, and the time is probably not far distant when even that antiquated and exclusive club will be affected by the progressive movement and its mode of procedure be finally changed.

That building and other operations that employ large numbers of men have been slow in San Francisco and the West is no different from other parts of the country. In fact we are better off here than in most parts of the country. In Kansas City, for instance, they have established soup kitchens and even these have not been able to take care of the hungry and unemployed. So the question of unemployment is being taken up locally all over the country and the big question that confronts the people is how to prevent the recurrence of such conditions.

The different organizations of San Francisco have appointed February, 13th, for the purpose of raising money for the Associated Charities of this city. This body is organized efficiently for dealing with poverty and its attendant evils. We must meet this problem somehow. And the question is to provide present relief for those who must have it and to provide against the recurrence of the same conditions.

THE CONFLICTING "REACTIONS."

Great politics sometimes justifies Napoleon's estimate of it as fate. The paradox is true that the government of each European nation engaged in war is supported by the mass of its people sincerely, and that the mass of its people sincerely wish the war were only a bad dream.

Crowds as well as individuals do things that they would far rather not do. There is the impossible ideal of the Anarchist, or Egotist, that each man shall act in every emergency the way he likes to act. But, the social surroundings aside, a man often likes to do what he does not like to do. "I see another law in my members warring against the law of my mind," said St. Paul. The individual who is not a composite of desires and impulses and reasons is rather a saint, a philosopher or an imbecile.

Easily one can blame this or the other person or group for fighting now for his nation inconsistently with his professions of international peace and fraternity. But if such a critic, making the same professions, were summoned to his post of national defense (even if the post were really of offense) would he not respond? Would he not respond, even though he did not know that in the case he did not respond the chances were about ten to one that he would be shot?—Kansas City Star.

San Francisco Chapter of Architects Honor Monsieur Henri Guillaume, French Representative, To Panama-Pacific International Exposition.

On the evening of February 12th the San Francisco Chapter gave a Banquet at Techau Tavern in honor of Monsieur Henri Guillaume, representative of France in the erection of the French Pavilion at the World's Fair Grounds. Among other guests present were:



M. HENRI GUILLAUME, French Representative to P. P. I. E.

Monsieur Henri Guillaume of France.
J. H. Berner, Norway.
Francisco Centurion, Cuba.
C. J. Oakeshott, Australia.
J. C. Morrel, Australia.
E. Wright, Canada.
G. Takeda, Japan.
B. Ito, Japan.

Henri Hornbostel, New York.
Mr. W. B. Faville, President of the San Francisco Chapter, in his ever charming manner presided over the Banquet and under his leadership in Chapter matters there seems to be but one harmonious strain of good cheer and a high spirit of enthusiasm.

Mr. McDougall, the Past President of the S. F. Chapter, was called upon for a Toast to the Evening and in a brief and able manner proposed a Toast to Great Britain, France, Norway, Cuba, Canada, Australia and Japan.

Mr. Polk, famous for his ready wit, was called upon to welcome the Guests of the Evening and in his happy and lively way started the ball rolling by paying high tribute to the Architectural work of France and other nations represented at the meeting. He spoke of the wags of Architecture and other wags and of one in particular who had said to him:

"What a wonderful color scheme you have at the Fair." Mr. Polk answered, that it was truly wonderful. The Wag said, "Isn't it too bad that these rains do not wash it all off again?"

Another one had remarked of the wonders and beauty of great edifice in France and he said, "Is this building

fireproof?" The Architect replied yes. The other Architect said "what a pity."

Mr. Polk spoke fluently of the great Stars in Architecture the world over and of the great stride made in America and assured Monsieur Guillaume that America realized in full the debt she owed to France for her Architectural Guidance.

At this point the Guests were entertained by the beautiful song: "The Shadows on the Grass Grow Beautiful."

Then a little dance took place entitled, "There is Something Gay When You Dance in Patee Take it From Me," and Monsieur Guillaume seemed to catch the spirit and it was hard to keep him in his chair.

Mr. Allen of Berkeley and Mr. Sperry of San Francisco then gave a song and chorus: "San Francisco is The Place Where it is a Disgrace to Work, If You Have Nothing Else to do This is the Place For You." It just seemed to fit the occasion as the 50 leading Architects of San Francisco had forgotten that they had any work to do.

Mr. Faville then called upon one of the stars from the firmaments of the Eastern Architectural World, Henri Hornbostel. Mr. Faville said: "You will all remember Mr. Hornbostel addressing a previous meeting of our Chapter. At that time we thought we were listening to an Architectural light, an illumination. Since then we have seen worked stone by stone the monument to his genius in Oakland. We this evening ask him to again lead us into the paths of righteousness in Architecture, but we no longer worship at his shrine knowing how atrocious his Architecture really is. His sojourn in Ucatan, we fear, demoralized his training received in the purity of the French school until we veritably believe he does not know where he is, however, we are open minded and would graciously absorb any points of wisdom which may flow from his generosity. We will now have the pleasure of an address from Mr. Hornbostel."

Mr. Hornbostel in his happy way said in part: "Monsieur Guillaume from what Mr. Faville has said and from the remarks of Mr. Polk and others you will undoubtedly feel I am a Professional Count. And although Mr. Faville has spoken in glowing terms of my work on the Oakland City Hall he is not far off. While some of Mr. Polk's are supposedly bouquets they are fairly good sized cabbages."

Mr. Hornbostel, as President of the Beaux Arts School in New York, spoke of the inner workings of that school and the wonders it has accomplished in New York and how this school is now turning out Americans instead of foreigners heretofore. He spoke of the Grand Ball given by the Beaux Art School in New York where \$28,000 was taken in and \$9,000 as a clean up and what they did with that \$9,000 as a starter, and how they now have a home of \$50,000.

Mr. Hornbostel congratulated Mr. Maybeck upon his Architectural work upon the Fine Arts Building and

said from this day on he would take his hat off to Mr. Maybeck.

Mr. Faville said in part:

"This gathering and the theme of the evening is to express an appreciation of the debt we owe to France for her Architectural light; to Ecole de Beaux



W. B. FAVILLE, President S. F. Chapter A. I. A.

Arts for its guidance, and to the Professors, who have so faithfully labored in our Universities.

"From these sources has arisen much of the inspiration which has aided in the Architectural development of America and which still continues to exert its influence upon the men who shortly will become our practicing Architects.

"The impulse which the French Nation, her Universities and her genius has created in bathing our country with its waves of vigor, bearing with it the tradition of the French Nation and of those other civilizations from which she received her inspiration, and upon which she built and developed her Architectural expression. As France received traditions from the civilization which preceded her, so we receive from France and in a like manner use her traditions in slowly developing the Architectural expressions of our country voicing our sentiments, our achievements and our ideals.

"The American Institute of Architects at Washington last year bestowed on Monsieur Pasquelle, its highest tribute, the gold medal of honor. It is given as an expression and realization of this debt we owe to France. It is an expression of the esteem in which the life work of Monsieur Pasquelle is held. It is a tribute to his art and to his earnestness. Further it is a gift of affection not only to him but to the Nation from which he springs, and tonight on the shores of the Pacific Ocean, at the opening

our great Exposition, we wish to convey to Monsieur Guillaume our appreciation of this debt we owe to his country, to himself, and to his compatriots. I will ask Professor Maybeck to speak of the Ecole de Beaux Arts, its traditions and the spirit of this school in which Professor Maybeck studied, worked and played."

Mr. Maybeck was then called upon for an address: He thanked Mr. Hornbostel for his kind remarks in reference to the Fine Arts Building and took his audience back into history some 200 years ago and explained what Ecole de Beau Arts School was at that time in New York and when possibly the first mission in California had yet to be built. He pointed out in a clear and scholarly manner what American Architects had learned from France and the great impulse she had given, not only to America, but to the whole civilized world. He likened Architecture to a thousand women. He said among a thousand there will always be one found to be more beautiful than all the rest. We do not know why but there is a reason behind it all. It is the same in Architecture. There is always a bright star and while we can give no reason for it particularly we find a great man, a big man out of the thousands who is a real teacher in Architecture and one whom we can follow.

Mr. Faville then spoke of the Professors of France in our Universities in introducing Arthur Brown, Jr., in part as follows:

High and noble thinking has prompted many of the beloved Professors of France to turn their faces toward a new country and to leave the land of their vocation in which they grew and developed to bring to the youths of America the Architectural light which has illumined and made worthy their Native Country. They have labored in our Universities so that our land should receive the sacred oil and our flame be kindled from the fires that are brought from Olympia.

It behooves us to be careful not to throw away these opportunities so generously offered us by these noble men and prove to them in our Architectural development that the seed they have sown has not fallen upon barren ground.

Mr. Arthur Brown will tell us of the works of the French Professors in our Universities and their accomplishments, for he has spent many years in the Ateliers of France and is conversant with the spirit both abroad and at home.

Enviably honor has been offered to Mr. Brown by the Harvard University, they have asked him to accept in that University the Chair of Architecture. We know from the high standard of this University that the honor is not lightly bestowed.

Mr. Brown said in part: "It seems very proper on this occasion to pay tribute to the French Architects who have taught in our technical schools, as Mr. Guillaume's very distinguished father, Mr. Edmond Guillaume, was for many years professor of the theory of Architecture in the Paris School and in that capacity was the representative of the trend of architectural education in France.

Clearness of thought and expression is one of the striking characteristics of the French mind, and to this quality is due, I think, much of their success as

teachers of the arts and sciences. This talent for teaching has been long recognized in our country, and many of our leading schools have, during the past few years, sent to France for some of their teaching staff. The list of these men is not a long one, but their number has been rapidly increasing. Unfortunately, however, most of these men have been called to the colors, and I doubt if there remains a single Frenchman in any of our schools.

Technology was the first school to engage a French teacher of architecture—Mr. Letang. Since then Messrs. Depradelle, Duquesne and Lomonnier have been at the institute. Mr. Jean Hebrard, Mr. Prevot and I think Mr. Ernest Hebrard have been at Cornell. Columbia has not had a Frenchman on its staff as far as I know, excepting Mr. Prevot, as an Atelier chief. Mr. Paul Cret assisted by Mr. Arnal has been at Pennsylvania; Mr. Alaux and Mr. Ferrand have been at the Carnegie schools. Mr. Duquesne has had the Chair of Design at Harvard for several years. Mr. Abella was at the St. Louis before the war. Two of these men have become particularly well known, Depradelle at Technology and Cret at Pennsylvania.

It is a common error to suppose that these men teach the superficial application of the so-called styles, the mannerisms of Louis XVI or modern French. Rather do they ardently seek to find and impart the great truths of Architectural composition, and to study the real meaning of architectural elements. They seek, by a study of the past and present, to discover the essence of beauty and truth and apply these universal principles to the needs and requirements of present day life and possibilities of construction. No one tries more sincerely to be broad in their views than the men of this group. Greek, Roman, Gothic, Saracenic, Chinese Art are all fields for their critical study.

Mr. Faville introducing Mr. John Galen Howard read the following article:

From the Ecole de Beaux Arts and her Professors let us turn to the Architects themselves, the Architects who build and make beautiful, for the initiative of great and true design springs and must spring from the individual. From his ability to seize, to hold and to express the underlying causes and manifestations of our civilization, those which can be interpreted in design and the design made so clear and beautiful that the average Architecture may be capable of following in his footsteps. These gifted men who are endowed with this clear vision of seeing and interpreting the expression of our time and the genius of our country,—for they can create and guide the Architecture of the moment into broad streams along whose movement the countries Art expands, for they express a common language.

In America the great Richardson left examples of creative work but he was not a man that the country could follow. The expression of his Art, though strongly individual, did not flow along the lines of Americanism and the Architectural impetus which he created ended with him.

In our honored McKim, however, we find a guiding Genius and the flow of his personality and enthusiasm there has developed a broad river of our Renaissance. I call it our Renaissance

for I believe that we are now giving a quality of our best work that will be recognized when our perspective is more remote. It is a Renaissance of America built on that of Europe and fairly expressive of ourselves. We may say that it has its roots in Greek, Roman and Italian, but it is our expression and its an American Renaissance.

We cannot point to a single Architect whose creations in America are so vital or whose examples of work proclaim the truth of the principles loud enough for us to follow, and our cry tonight is to France to develop in our midst a man great enough, a man vital and wise enough to create a new stream which shall be broad enough to carry us along to new achievements and capable of voicing our sentiments.

Mr. Howard has kindly consented to speak upon La Belle, France.

Mr. Howard expressed himself as being very thankful for the privilege and honor of being able to address the S. F. Chapter before such a distinguished Guest as Monsieur Guillaume and of other representatives of the different Nations. With its also came a certain obligation and that was the overwhelming importance of the subject upon which he had been asked to speak. He said: "I cannot even begin to touch upon the even most important phase in the claims that France has upon our civilization and the gratitude we owe to France and to all nations outside of France. Just think of what she has done for us; what she took up in those dark ages. Think of the creation in Gothic Art. Nothing has been greater in the Architecture of the world, no not even the Architecture of Greece. We have all taken our cue from France, the great Mother, the great thinker, the great sower, the great creator of Architecture. Mr. Howard dwelt on the greatness of McKim, Richardson and of their wonderful inspiration which had been gained from the teachings of the Ecole de Beaux Art School. McKim,—than he no greater Architect has lived in his time either here or abroad. He had seized the beautiful spirit of France and he created our beautiful Renaissance. Then Mr. Howard grew poetical in his wonderful descriptive powers, enlarging upon the beauties of France and her Architecture.

Mr. Faville then called upon Monsieur Henri Guillaume, the Guest of the Evening, and said in part:

"Monsieur Henri Guillaume, it is with extreme honor that we address to you the remarks of Messrs. Howard, Maybeck and Brown. They are tokens of the love and respect in which we hold your great country.

"We trust that you will accept the assemblage of our fellow Architects tonight as an expression of the appreciation with which we hold the teachings of your Patrons and Ateliers, an appreciation of the importance to us which your teachings have been in the development of our Architecture; and we beg to convey to you the distinction which your presence at the Exposition affords us and our pleasure at your being able to be with us tonight, which is to express our appreciation to France for her Architectural light to the Ecole de Beaux Arts for her guidance and to her Professors who have so faithfully labored in our Universities."

Monsieur Henri Guillaume replied in
(Continued on Page 36)

ADVANCE NEWS

Classified according to Character of Work

APARTMENT HOUSES.

SAN FRANCISCO—Apartment house, 3 story and base, frame, \$14,000. Architect, none. Owner, Fred W. Lurmann, 1351 California street, S. F. The building will be erected on a lot 27½ by 83½ feet on the north side of California street west of Taylor. The building has been designed to contain six suites of four rooms each. Interior will be finished in pine and hardwood. Hardwood floors will be used in the living and dining rooms. There will be steam heat, oil burning plant and a hot water system. All apartments will have wall beds and private bath rooms. Bath rooms will have tile floors and wainscot. Entrance will be finished in marble. Exterior of the building will be faced with cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor. Materials are being purchased.

SAN FRANCISCO—Apartment house, 3 story and base, frame, \$10,000. Architect, Itallo Zanolini, 606 Montgomery street, S. F. Owner, M. S. Bacigalupi, 1953 Stockton street. The building will be erected on the west side of Stockton street north of Chestnut, and will have a frontage of 37 feet by a depth of 66½ feet. There will be five suites of four and five rooms. Interior will be finished in pine throughout. Plans provide for a hot water system. There will be wall beds and private bath rooms. Tile wainscot and composition floors will be used in the bath rooms. Entrance will be finished in tile and marble. Exterior of the building will be covered with rustic and cement plaster on metal lath. Plans are complete and figures are being taken.

BERKELEY, ALAMEDA CO., CAL.—Apartment house, 3 story and base, brick and frame, \$26,000. Architect, Clay N. Burrell, Albany Bldg., Oakland. Owner, Jonathan Durst. The building will be erected at the corner of Adeline and Harmon streets, and will contain stores on the first floor besides the entrance to the apartments. Upper two floors will be arranged for a number of two, three and four room suites. Interior will be finished in pine and redwood with some elm panels. There will be steam heat and a hot water supply. All suites will have wall beds and private baths. Bath rooms will have tile wainscot and composition floors. Patent store fronts will be used. Marble bases and wainscot are also specified. Exterior of the building will be faced with pressed brick veneer and cement plaster on metal lath. Plans are complete and subfigures are being taken.

PORTLAND, ORE—Apartment house, 5 story and base, brick and steel, \$100,000. Architect, R. F. Wassell, 204 East 15th street, Portland. Owners, R. F. Wassell, A. C. Going and D. B. McCussets of two, three, four and five beds. The building will be erected

at the corner of 18th and Couch streets and has been designed to contain sixty rooms. All apartments will have wall beds and private bath rooms. Interior finish will be of pine and hardwood with hardwood floors in the living and dining rooms and reception halls. There will be steam heat, hot water supply, vacuum cleaning and elevator service. Marble and tile wainscot will be used in the entrance. Bath rooms will be finished in tile. Exterior of the building will be faced with a light pressed brick. Plans are now being prepared.

MODESTO, STANISLAUS CO., CAL.—Apartment house, 2 story and base, concrete. Cost not stated. Architect, none. Owner, E. G. Eberhart, Fresno. The building will be erected at the corner of G and 13th streets and has been designed to contain twelve suites of two and three rooms. Each apartment will have a private bath and wall bed. Interior will be finished in pine and redwood. There will be a hot water system. Bath rooms will have tile floors and wainscot. Exterior of the building will be faced with cement plaster. Plans are complete and in the hands of the owner.

Contracts Awarded.

SAN FRANCISCO—Apartment house, 6 story and base, steel and concrete, \$80,000. Architect, W. F. Mellin, 244 Kearny street, S. F. Owner, W. A. Rudgear. Contractor, James L. McLaughlin, 244 Kearny street, S. F. Contract price, \$80,000. Note: Subfigures are now being taken on all parts of the work.

OAKLAND, CAL.—Apartment house, 4 story and base, brick and steel, \$70,000. Architect, Clay N. Burrell, Albany Bldg., Oakland. Owner, J. Meyer. Contractors, Sommarstrom Bros., 202 East 12th street, Oakland. Contract price, \$70,000. Note: Excavation is complete and subfigures are now being taken on the balance of the work.

BANKS

Contracts Awarded.

HERMOSA BEACH, LOS ANGELES CO., CAL.—Bank and offices, 2 story and base, brick and steel, \$30,000. Architect, L. B. Pemberton, Auditorium Bldg., L. A. Owners, First Bank of Hermosa Beach. Contractor, John McCready, Hermosa Beach. Contract price, \$30,000.

BONDS.

OAKLAND, CAL.—By a divided vote the Alameda County Supervisors declared for an election to vote on the proposition of a \$1,000,000 bond issue for the Panama-Pacific Exposition. The date for the election has been set for March 23rd.

The county was authorized to issue bonds at the last State election, but the Supervisors refused to put the issue before the people.

BENICIA, SOLANO CO., CAL.—A resolution directing the city clerk to advertise for bids for the \$10,000 street

bonds to complete the pavement of the State Highway has been adopted by the Board of Trustees.

DELANO SCHOOL DISTRICT, KERN CO., CAL.—By a vote of 149 to 14 the residents of the Delano school district have authorized the issuance of bonds of \$23,000. The bonds were voted to secure the necessary funds to construct a new school building for the district. As yet no architect has been selected to design the new building.

LAKEPORT, LAKE CO., CAL.—Over \$3,000 has been raised by private subscription to provide a site for the proposed new building for the Clear Lake Union High School, located at Lakeport.

With this inducement of a gift of the site to the district, the High School Trustees are expected to call an election to bond the district for \$25,000 with which to secure funds for the new school building.

An election in May, 1913, for \$30,000, with no site donated, failed to receive the necessary two-thirds majority.

ANTELOPE VALLEY UNION HIGH SCHOOL DISTRICT, LOS ANGELES CO., CAL.—An offer at par and accrued interest and a premium of \$1.00 for \$30,000 of the Antelope Valley High School bonds has been accepted by the Board of Supervisors, and the bonds have been awarded to the Blyth-Witter Co. of San Francisco.

REDONDO, LOS ANGELES CO., CAL.—At a meeting of the City Council a motion made by Trustee Brelaski that an ordinance be adopted calling a special election to vote \$17,000 in bonds on February 25th, to secure a parcel of land as a site for a new library building, carried.

WHITTIER, LOS ANGELES CO., CAL.—A block of twelve lots is the site selected for the new primary school building, for which bonds of \$50,000 have been voted and sold. The lots are located at the intersection of College street and Whittier avenue.

RICHLAND SCHOOL DISTRICT, KERN CO., CAL.—The \$9,000 bond issue of the Richland School District has been sold to the Blyth-Witter Co. of San Francisco at a premium of \$33.00. The only other bidder was the Security Trust Co, which offered a premium of \$25.

SAN BERNARDINO, SAN BERNARDINO CO., CAL.—Because of certain conditions, both financial and political, the Board of Education has decided to call off the proposed bond election on March 19th.

The election was to have been held in an attempt to raise funds of \$150,000 to complete the new high school building and to improve the grade school buildings.

WHITTIER, LOS ANGELES CO., CAL.—An election will be held by Lowell Joint Union High School on February 26th for the voting of bonds of \$25,000 to be used in the purchasing of school lots and the erection of new school buildings.

Martha J. Ware, W. J. Gregory and B. F. Chambers are the Trustees of

the Lowell Joint Union High School District.

LOS ANGELES, CAL.—The Los Angeles County Supervisors have in the last three weeks sold \$200,000 worth of 4½ and 5½ per cent bonds, all par and accrued interest or above par. At par and accrued interest \$50,000 worth of Los Angeles City school bonds were sold.

INDIO SCHOOL DISTRICT, RIVERSIDE CO., CAL.—The Board of Supervisors have set March 6th as the date of the election for voting bonds of \$50,000 in the Indio Road District.

Bonds will be voted in denominations of \$500 each, instead of \$5,000 as was first stated.

SACRAMENTO, CAL.—State Treasurer Richardson will hold a sale of State Highway bonds on March 16th. of the \$18,000,000 State Highway bond issue, \$13,000,000 worth have already been sold.

OROVILLE, BUTTE CO., CAL.—County Clerk Belding has received a communication from the State Highway Commission addressed to the Supervisors, stating that the Commission is now ready to let bids for the construction of the Nelson-Chico unit of the State Highway as soon as Butte County will buy \$150,000 worth of highway bonds.

A year ago the Supervisors went on record with a resolution to the effect that \$475,000 worth of bonds would be taken by the county in three installments; one of \$175,000 and two more of \$150,000 each within a year.

In March of last year the first issue was advertised and awarded to the First National Bank of Chico at a discount of 3 per cent after spirited bidding on the part of several banks.

The county made up the difference, \$5,250, which amount brought the bonds up to par.

VACAVILLE, SOLANO CO., CAL.—To carry out the proposed street improvements it will be necessary to hold another bond election as the election recently held and which carried, has been declared invalid. The bonds voted were for \$30,000.

The matter of calling another election will be taken under consideration by the City Trustees at their next regular meeting.

GALT, SACRAMENTO CO., CAL.—The Trustees of the Galt School District have taken steps towards calling a bond election for the erection of a new \$20,000 school building at this place.

A site for the building has already been selected. The site covers a whole block between Fifth and Sixth streets, facing E street.

HERMOSA BEACH, LOS ANGELES CO., CAL.—The \$10,000 bond issue for the erection of a new city hall and fire department building has been sold and plans for the building will go under way at once. Thomas Preston, 821 Higgins Building, Los Angeles, is the architect. The building will be a two-story brick structure and will cover an area of 40 by 100 feet.

BRAWLEY, IMPERIAL CO., CAL.—Bonds in the sum of \$40,000 for street improvements have been sold by the Board of Trustees.

SPOKANE, WASH.—In order to meet outstanding obligations and permit the operation of their mine and mill, officials of the Idaho-Knickerbocker Mines Co. of Spokane have arranged for the sale of bonds in the sum of

\$45,000. Electric power will be installed and a new compressor will be added to the mine equipment. A. D. Gritman is president of the company.

SPOKANE, WASH.—Officials of the Hypotheek have announced that arrangements are completed for floating the bond issue of \$200,000 to provide money for the installation of an electric pump at the mine, further development work and the erection of a new mill.

BRIDGES AND DAMS.

COLUSA, COLUSA CO., CAL. — Bridges, reinforced concrete. Cost not stated. Engineer, County Surveyor, J. W. Kaerth, Colusa. Owners, Colusa County. Plans and specifications presented to the Supervisors for the following bridges were approved: Nos. 31, 32, 33, and 34; Nos. 52, 53, 54, 72, 76, 71 and 47; Nos. 40, 58, 59, 62 and 63; Nos. 56 and 57; Nos. 49, 50 and 51; Nos. 37, 38, 43, 65 and 67. All bridges will be of concrete construction. The Clerk was instructed to advertise for bids to be received on March 2nd at 3 p. m. The county will furnish the cement. Further information may be had from the County Surveyor.

COLUSA, COLUSA CO., CAL. — Bridge, reinforced concrete. Cost not stated. Engineers, A. V. Saph and Ward B. Esterly, Colusa. Owners, Colusa County. Plans and specifications presented by A. V. Saph and Ward B. Esterly for a concrete bridge across the slough between prize store and Sycamore Slough were accepted by the Supervisors, and bids for the construction of same were ordered received up to March 2nd at 3 p. m. Further information together with plans and specifications may be had from the County Surveyor at Colusa.

SAN RAFAEL, MARIN CO., CAL.—Bridges, reinforced concrete, \$2,000 and \$1,500. Engineer, County Surveyor Richardson, San Rafael. Owners, Marin County. At the meeting of the Marin Supervisors held this week, Surveyor Richardson submitted plans and specifications for two concrete bridges on the Tocaloma road near Camp Taylor, one over Devil's Gulch and another smaller one. The cost is estimated at about \$1,500.

RICHMOND, CONTRA COSTA CO., CAL. — Dredging, \$16,000. Engineer, City Engineer, Richmond. Owners, City of Richmond. The City Council has adopted plans and specifications for the dredging of the south channel of San Pablo canal. Bids on this work were received some time ago, but all were rejected and plans ordered revised. The new plans call for a depth of eight feet at low tide. Bids are to be opened at the next session of the Council.

RIVERSIDE, RIVERSIDE CO., CAL. — Bridge, reinforced concrete, \$50,000. Engineer, City Engineer Campbell, Riverside. Owners, City of Riverside. Three sets of plans have been presented to the City Council for a concrete bridge on Victoria avenue. One of these contemplates a bridge of the mushroom type. This is a flat surface bridge with perpendicular pillars, and would cost approximately \$50,000. The two other plans were for arched bridges and, while perhaps more sightly, would cost, Mr. Campbell estimated, respectively \$55,000 and \$60,000. The engineer was asked to make an estimate on the cost of a dirt fill similar

to that made for the new Magnolia extension and present it to the next meeting. The new bridge contemplated provide for a 33-foot driveway, and his estimate on the fill is to be made on this basis.

UKIAH, MENDOCINO CO., CAL.—Bridge, Culverts and road. Cost not stated. Engineer, County Surveyor, Ukiah. Owners, Mendocino County. Plans are complete and figures are now being taken for a road and bridge and several culverts in the Fourth Road District. Separate bids are to be submitted for the construction of the road, the bridge and culverts. Plans and specifications can be secured from the County Clerk at Ukiah or from the Fort Bragg Commercial Bank at Fort Bragg. Bids will be opened on March 2nd.

SAN FRANCISCO — Ferry approach and green piles. Cost not stated. Engineer, Assistant State Engineer Newman, Ferry Bldg., S. F. Owners, State of California. The State Board of Harbor Commissioners are now taking bids for furnishing a quantity of green piles for harbor work. The Secretary states that plans for the Market street approach have been approved by the Commission and have been sent to Sacramento for the approval of the State Advisory Board of Engineers. Bids will probably be called for on this work at the next meeting of the Board which will be Thursday next.

RIO VISTA, SOLANO CO., CAL.—Bridge, Steel and concrete, \$190,000. Engineers, County Surveyors, Solano and Sacramento Counties. Owners, Solano and Sacramento Counties. Word received in this city makes known the fact that an extension of one year has been asked of the War Department by representatives of Solano County to construct the proposed Rio Vista bridge, owing to a shortage of the necessary funds. At present the two counties, together, have only a little over \$10,000 set aside for this bridge. By July, 1915, they will have on hand nearly \$25,000, and by July, 1916, about \$70,000 more. About 70 per cent of the total cost of the bridge must be on hand before contractors can proceed with the construction. The engineers' estimate of the cost of the bridge was \$130,000, and it will require about \$50,000 additional to build approaches and properly paved roads immediately adjacent to the bridge. This will bring the total expense for each county to more than \$90,000, and they will have till July 1, 1918, to raise the entire amount.

SALINAS, MONTEREY CO., CAL.—Bridge, reinforced concrete and steel. Cost not stated. Engineer not selected. Owners, City of Watsonville and Monterey County. A committee from the Watsonville Board of Aldermen, composed of Mayor Trafton, City Attorney Sans and Messrs. Sager and Osburn, has conferred with the Board of Supervisors relative to plans for a bridge to span the Pajaro River, to be built jointly by the City of Watsonville and the County of Monterey. Several sets of plans have been submitted to the Aldermen and to the Supervisors by prospective bidders. As a result of the conference Supervisor J. L. Mann and County Surveyor Cozzens have been instructed to make a selection from the designs submitted.

SANTA ROSA, SONOMA CO., CAL.—Bridges, 2 reinforced concrete. Cost not stated. Engineer, City Engineer, Santa Rosa. Owners, City of Santa

Rosa. Property owners and residents in the vicinity of A street and Santa Rosa creek, also at Leland street and the creek, have petitioned the City Council to construct bridges at these locations. Many of the petitioners have agreed to contribute liberally toward the cost of the improvements. No action, as yet, has been taken by the Council.

REDWOOD CITY, SAN MATEO CO., CAL.—Retaining wall, earth and reinforced concrete. Cost not stated. Engineer, County Surveyor, Redwood City. Owners, San Mateo County. Plans and specifications presented to the Supervisors by the County Surveyor for the construction of a retaining wall on Small avenue at Belmont have been adopted and bids will soon be called on the work.

REDWOOD CITY, SAN MATEO CO., CAL.—Retaining wall, reinforced concrete. Cost not stated. Engineer, County Surveyor Neuman, Redwood City. Owners, San Mateo County. The retaining wall will be erected along Schmoll street near O'Neill avenue in the town of Belmont. Plans are complete and figures are now being taken. Bids will be opened on March 1st at 10 a. m. Plans and specifications can be secured from the County Surveyor.

Contracts Awarded.

SALINAS, MONTEREY CO., CAL.—Bank protection work, \$8,750. Engineer, County Engineer Cozzens, Salinas. Owners, Monterey County. Contractor, Lou G. Hare, Salinas. Contract price, \$8,750.

SAN FRANCISCO—Wharf repairs, \$11,877. Engineer, Assistant State Engineer Newman, Ferry Bldg., S. F. Owners, State of California. Contractors, San Francisco Bridge Co., Monadnock Bldg., S. F. Contract price, \$11,877. This contract covers repairs to Pier No. 21.

MODESTO, STANISLAUS CO., CAL.—Trestle, timber construction, \$5,893. Engineer, County Surveyor, Modesto. Owners, Stanislaus County. Contractors, Pacific Construction Co., Fresno. Contract price, \$5,893.

VANCOUVER, B. C.—Bridge, steel and reinforced concrete, \$1,744,831. Engineer's name not given. Owners, Province of Vancouver. Contractors, A. P. Turner and the Western Foundation Co., Vancouver. Contract price, \$1,744,831. Note: This contract covers the construction of the Second Narrows bridge.

BAKERSFIELD, KERN CO., CAL.—Bridge and grading, \$14,503.70. Engineer, County Surveyor, Bakersfield. Owners, Kern County. Contractors, C. M. and M. Hart, Wasco. Contract price, \$14,503.70. This contract covers the grading and bridge construction on three miles of the Waco-Lost Hills road.

BAKERSFIELD, KERN CO., CAL.—Bridge, timber and concrete construction, \$4,469. Engineer, County Surveyor, Bakersfield. Owners, Kern County. Contractor, J. R. Rogers, Bakersfield. Contract price, \$4,469. This contract covers the construction of the Poso bridge.

CHURCHES.

SAN FRANCISCO Church, 2 story, frame, \$8,000. Architect, James W. Plachek, Acheson Bldg., Berkeley. Owners, Sunset Congregational Church, S. F. The building will be erected at the corner of 10th avenue and Judah street, and has been designed in the Mission style. There will be a large

main auditorium and Sunday school rooms. Interior finish will be of pine and redwood. Hot air heat will be installed. Some ornamental plaster will be installed. Art glass windows are specified. Exterior of the building will be covered with cement plaster on metal lath. Plans are complete and figures are being taken.

OAKLAND, CAL.—Church, 2 story and base, brick, \$70,000. Architect, William A. Newman, David Hewes Bldg., S. F. Owners, Second Church of Christ, Scientist. The building has been designed in the classic style and will be erected at the northeast corner of 34th and Elm streets. The building will cover a large ground area. There will be a large auditorium, reading rooms, Sunday school rooms and study. Interior finish will be of pine and ornamental plaster. A central heating system, probably steam heat with oil burning equipment will be installed. Marble and tile and art glass is specified. Exterior of the building will be faced with pressed brick. Plans are complete and figures are being taken.

COURT HOUSES.

SAN FRANCISCO—City Hall elevator work, \$50,000. Architects, Bakewell & Brown, 251 Kearny street, S. F. Owners, City and County of San Francisco. Bids opened by the Board of Public Works for this work show but two bidders, the Pacific Gurney Co. and the Otis Elevator Co. Bids have been taken under advisement. A complete list of the bids submitted will be found under the heading of San Francisco in this issue.

GRANTS PASS, ORE.—Court house, 2 story and base, reinforced concrete, \$100,000. Architect, E. E. McClaren, Lumber Exchange Bldg., Portland. Owners, Josephine County. The building will be designed in the classic style and will be fireproof with reinforced concrete walls and floors, hollow tile interior partitions and metal window sash and frames. The basement will contain the jail, storage space, heating apparatus and jailor's quarters. The main floor will be arranged for the county officials' offices and county court rooms. Second floor will contain offices for county and state officials and the circuit court rooms. All offices will have fireproof vaults. Interior of the building will be finished in pine and hardwoods with tile floors in the corridors. Plans provide for steam, heat, vacuum cleaning and central time clocks. Exterior will be faced with pressed brick, terra cotta and granite. Plans are now being prepared.

FACTORIES AND WAREHOUSES

SAN FRANCISCO — Warehouse, 3 story and base. Class C construction, \$75,000. Architect, Leo J. Devlin, Pacific Bldg., S. F. Owner, John Rapp, leased to Dunham, Carrigan & Hayden. The building will be erected at the corner of Kansas and Division streets and will cover a large ground area. The main portion of the building will be used for storage space and shipping rooms. A portion of the front will be arranged for general offices and display rooms. Interior will be finished in pine throughout. There will be a freight elevator and steam heat. Metal window sash and frames and fireproof doors are specified. Exterior

of the building will be faced with stock brick. Plans are complete and figures are being taken.

FRESNO, FRESNO CO., CAL.—Ice and cold storage plant, 1 story and base, brick, \$16,000. Architect, none. Owners, People's Ice Co., Fresno. The building will be erected in Woodward's Addition, and will cover an area of 60 by 100 feet. No interior finish is specified. The cost of the mechanical equipment is not included in the estimate. Exterior of the building will be faced with stock brick. Plans are complete and in the hands of the owners who will do the work by Day Labor. Materials are now being purchased.

CHICO, BUTTE CO., CAL.—Cannery, 1 story and base, brick, \$20,000. Architect, none. Owners, O. E. Tracy and S. H. Newland, Chico. A new cannery for Chico is now assured, according to statements made by O. E. Tracy, a Main street realty man at Chico and S. H. Newlands of Indianapolis, Ind., who have several sites for the new structure which is estimated to cost \$20,000. The building, according to Tracy, will be erected and machinery installed by next June.

PORTLAND, ORE. — Warehouse, 4 story and base, brick, \$90,000. Architects, MacNaughton & Raymond, Title and Trust Bldg., Portland. Owners, Blake-McFall Paper Co. The building will be erected on property at the east end of the Burnside bridge and will cover a large ground area. There will be offices besides the warehouse and shipping rooms. Interior will be finished in pine throughout. Plans provide for steam heat, two large freight elevators, metal window sash and frames and fireproof doors. Automatic sprinklers will also be installed. Exterior of the building will be faced with stock brick. Plans for the excavating, piling and foundation work are complete and out for figures. Bids for the superstructure will be called for shortly.

PORTLAND, ORE.—Factory, 2 story and base, reinforced concrete, \$69,000. Architects, Jacobberger & Smith, Board of Trade Bldg., Portland. Owners, Coin Machine Co., T. J. Potter, President, Portland. The building will be erected in the Holgate Addition. The building will be of fireproof construction and will cover a large ground area. Interior will be finished in pine. Plans show metal window sash and frames and a large freight elevator. Exterior of the building will be faced with cement plaster. Plans are now being prepared.

ABERDEEN, WASH.—Gas plants, 4, 1 and 2 story, brick and concrete, \$250,000. Engineer, Engineering Department, Gas Service Corporation of America, Auburn. Owners, Gas Service Corporation of America. Preliminary plans have been drawn for four gas factories in Chehalis County to cost \$250,000, and will be built by the Gas Service Corporation of America of Auburn, Wash. The first of the new plants will be built at Montesano to cost \$40,000. Work will be started on this plant immediately. The three other plants will cost and be located as follows: Aberdeen plant to cost \$80,000; Hoquiam, \$60,000, and Elma, \$40,000. Under the terms of the franchise all plants are to be in operation January 1, 1916.

Contracts Awarded.

SEATTLE, WASH.—Warehouse and lofts, 3 and 7 story and base, reinforced concrete, \$50,000. Engineer, H.

Bittman, White Bldg., Seattle. Owner, E. Simpson, Haller Bldg., Seattle. Contractors, Coast Construction Co., 2500 First avenue, Seattle. Contract price, \$50,000.

SEATTLE, WASH. — Cold storage warehouse, 7 story and base, reinforced concrete and tile, \$110,000. Engineer, Port of Seattle Commission, Seattle. Owners, City of Seattle. Contractors, Harrington & Peters, Oriental Bldg., Seattle. Contract price, \$110,000.

FLATS.

SAN FRANCISCO—Flats, 3 story and base, frame, \$12,000. Architect, E. E. Young, 251 Kearny street, S. F. Owner, A. Lynch, 291 15th avenue, S. F. The building will be erected at the southwest corner of Clement and 15th avenue, covering an area of 55 by 50 feet. There will be four flats of five and six rooms besides stores on the first floor. Interior will be finished in pine, redwood and elm panels. Hardwood floors will be used in the principal rooms. There will be open fire places and tile or brick mantels. Bath rooms will have tile wainscot and composition floors. A hot water circulating system will be installed. Entrance will be finished in marble and tile. Exterior of the building will be covered with rustic and cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor. Materials are now being purchased.

SAN FRANCISCO—Flats, 2 story and base, frame, \$5,000. Architect, Theo. W. Lenzen, Humboldt Bank Bldg., S. F. Owner, James Flanagan, 139 Central avenue, S. F. The building will be erected on the west side of 11th avenue north of Fulton, and has been designed to contain two modern flats of five and six rooms. Interiors will be finished in pine and redwood with some elm panels. Hardwood floors will be used in the living and dining rooms. There will be open fire places and tile or brick mantels. Bath rooms will have tile wainscot. Automatic water heaters will be installed. Exterior will be covered with cement plaster on metal lath. Plans are now being prepared.

GARAGES.

SAN FRANCISCO—Garage, 3 story and base. Class C construction, \$14,000. Architect, Charles E. Gottchalk, Phelan Bldg., S. F. Owners, Terminal Hotel Co. The building will be erected on the south side of Sacramento street east of Drumm, covering an area of 108½ by 91½ feet. The main floor which will be used for storage purposes, will have a capacity of 125 machines. Upper floors will be arranged for lofts and a machine shop. Interior will be finished in pine throughout. Metal window sash and frames and special gasoline storage tanks will be installed. Exterior of the building will be faced with pressed brick. Plans are complete and figures are being taken.

SAN FRANCISCO—Pathological and garage building, 2 story and base. Class A construction, \$88,000. Architects, August Headman, New Call Bldg., and P. Righetti, Phelan Bldg. Owners, City and County of San Francisco. Revised plans for this new building have been completed and ap-

proved. Changes made in the original plans are as follows: Reduction in height of basement, change in direction of the tunnel, reduction in steel and terra cotta, omission of all finish in second floor. Bids will be called by the Board of Public Works on the general contract, plumbing, heating and ventilating, electric work, painting and finish hardware. Plans can be secured from the Board of Public Works, Temporary City Hall.

GOVERNMENT WORK & SUPPLIES.

PROSPECTIVE BIDDERS.

Yards and Docks.

Specifications for work under the bureau of yards and docks, Navy Department, have been furnished to the following firms in addition to those previously mentioned in these columns:

Radio Towers, February 27—Specification 2130.

Atlantic Gulf and Pacific Co., Park Row Building, New York City.

Milwaukee Bridge Co., Milwaukee, Wis.

U. S. Steel Products Co., 30 Church street, New York City.

Independent Bridge Co., Pittsburgh, Pa.

American Bridge Co., Continental Building, Pittsburgh, Pa.

Penn Bridge Co., Beaver Falls, Pa.

Pittsburgh-Des Moines Steel Co., Curry Building, Pittsburgh, Pa.

Henry Monk, Pensacola, Fla.

Pacific Construction Co., San Francisco, Cal.

Wm. Concannon Co., San Francisco, Cal.

Milliken Bros., 17 Battery Place, New York City.

Llewellyn Iron Works, Los Angeles, Cal.

Pacific Rolling Mill Co., San Francisco, Cal.

The Toledo Bridge and Crane Co., Toledo, Ohio.

Dyer Brothers, 17th and Kansas streets, San Francisco, Cal.

Riter-Conley Manufacturing Co., Pittsburgh, Pa.

Chicago Bridge and Iron Works, 105th and Thropp streets, Chicago, Ill.

California Construction Co., New Call Building, San Francisco, Cal.

Surety Construction Co., Los Angeles, Cal.

Southern Bridge Co., Birmingham, Ala.

Wisconsin Bridge Co., Milwaukee, Wis.

Greuber Engineering Co., Bethlehem, Pa.

McClintic-Marshall Co., Pittsburgh, Pittsburgh, Pa.

H. Hackfield & Co., 82 Wall street, New York City.

Mare Island, Bungalows. February 20—Specifications 2135.

A. T. Spence, 180 Jessie street, San Francisco, Cal.

Gutleben Brothers, New Call Building, San Francisco, Cal.

American Process Co., 68 William street, New York City.

Bronze Linings.

Abstract of bids for Salt River project, Arizona, bronze linings for Roosevelt dam, U. S. Reclamation service, opened at Los Angeles, Cal., under

specifications No. 396F:

Llewellyn Iron Works, Los Angeles, Cal., item 1, \$4,110; delivered at Los Angeles Feb. 10; 2, \$321; delivered at Los Angeles, Feb. 10.

Joshua Hendy Iron Works, San Francisco, Cal., item 1, \$5,089; delivered at Sunnyvale, Cal., Feb. 26; 2, \$448; delivered at Sunnyvale, Cal., Feb. 19.

Fulton Engine Works, Los Angeles, Cal., item 1, \$5,291; delivered at Los Angeles Feb. 6; 2, \$383; delivered at Los Angeles Feb. 6.

Union Iron Works, San Francisco, Cal., item 1, \$6,100; delivered at San Francisco March 1; 2, \$330; delivered at San Francisco March 1.

James Jones Brass Works, Los Angeles, Cal., item 1, \$6,500; delivered at Los Angeles March 1; 2, \$470; delivered at Los Angeles March 1.

Pelton Water Wheel Co., San Francisco, Cal., item 1, \$7,934; delivered at San Francisco Feb. 19; 2, 1485; delivered at San Francisco Feb. 2.

San Francisco, Cal., Furniture.

The contract for installing furniture in the U. S. post office and court house at San Francisco, Cal., has been awarded to John E. Sjostrom Co., Philadelphia, Pa., at \$3,287; time 9 days.

Pumping Plant.

Abstract of proposals for centrifugal pump and framework, Boersch Lake pumping plant, Minidoka project, Idaho, U. S. reclamation service, opened at Los Angeles, Cal., under specifications No. 379F:

Item 1, 2 25-sec ft vertical centrifugal pumps and steel framework; 2, do, optional within three months after opening bids.

Byron Jackson Iron Works, San Francisco, Cal. (delivered at West Berkeley, Cal.), item 1, \$2,100; time, 75 days; 2, \$1,750; time, 40 days.

Perine Machinery Co., Seattle, Wash. (delivered at Oswego, N. Y.), item 1 or 2, \$2,510; time, 90 days; alt., \$2,683; time, 90 days.

United Iron Works, Oakland, Cal. (delivered at Oakland, Cal.), item 1, \$2,750; time, 40 days; 2, \$2,700; time, 35 days.

Manistee Iron Works Co., Manistee, Mich. (delivered at Manistee, Mich.), item 1, \$3,322; time, 90 days; 2, \$3,322; time, 75 days.

Pelton Water Wheel Co., San Francisco, Cal. (delivered at San Francisco, Cal.), item 1, \$3,230; time, 70 days; 2, \$2,550; time, 55 days.

Charles C. Moore Co., San Francisco, Cal. (delivered at Dayton, Ohio), item 1, \$3,473; time, 60 days.

Suction Dredge, Caribbean.

The Panama Canal is offering for sale the sea-going suction dredge Caribbean. She is of the outboard, trailing suction type, equipped with twin-screw propellers, which were constructed for the Isthmian Canal Commission by the Maryland Steel Co. in 1907, since which date it has been in continuous and successful operation. The hull is of steel constructed to meet requirements of the rule of the American Bureau of Shipping. Her principal dimensions are: Length between perpendiculars, 274 feet; length over all, 288 feet; molded depth, 25 feet; molded beam, 47 feet 6 inches; light draft forward, 10 feet 4 inches;

light draft aft, 11 feet 9 inches; light draft displacement, 2,375 tons. The draft figures are for bilges dry, water tanks full, coal bunkers half full, and hopper gauge open. Loaded draft forward, 18 feet; aft, 20 feet.

Pearl Harbor, Cranes.

The contract for furnishing two 15-ton locomotive cranes for the naval station, Pearl Harbor, H. T., has been awarded to the American Hoist and Derrick Co., of St. Paul, Minn., at \$13,-939.

Lower Selig Extension Canal.

The Secretary of the Interior has authorized the Reclamation Service to execute the following contracts for the construction of the lower Selig extension canal and laterals of the Uncompahgre Valley irrigation project, Colo. The Reynolds-Ely Construction Co., of Springville, Utah, schedules 1 to 14 and 16 to 18, inclusive, contract price, \$21,-765.75; George F. and R. E. Wear, Delta, Colo., schedules 15 and 19, contract price, \$2,271.50.

Canal Circular 891.

The general purchasing officer of the Panama Canal has issued the following addenda to Circular No. 891:

Referring to the Panama Canal Circular No. 891, dated January 6, 1915, bids to be opened February 24, 1915, the following is for the information of intending bidders:

Bidders are advised that the special patterns referred to in paragraph 6 of the specifications as included in the contract do not include the patterns of the manufacturers' standard or stock equipment, such as casings for pumps, motors, and the like, but where patterns are made up in accordance with the special requirements of the specifications, such patterns are to be furnished the Panama Canal under the price bid for the material.

Bidders should attach a copy of this amendment to their proposals.

Pumping Unit.

The following bids were received at the office of the U. S. Reclamation Service, Los Angeles, Cal., for direct pumping units, Outlook pumping plant, Yakima project, Sunnyside unit:

Item 1, direct pumping unit, maximum water power, 140-sec.-ft.

Charles C. Moore & Co., 99 1st street, San Francisco, Cal., \$6,982, at Dayton, or \$7,409.60 delivered; time, 100 days; shipping weight, 49,376 lbs.

Pelton Water Wheel Co., 19th and Harrison streets, San Francisco, Cal., \$7,263 at San Francisco, or \$7,402.10 delivered; time, 90 days; weight, 53,-500 lbs.

S. Morgan Smith Co., York, Pa., \$7,-300 for turbine at York, Pa., and pump at San Francisco, or \$7,803.85 delivered; weight, 72,000 lbs, or pump delivered at Harrison, N. J., \$8,050; weight, 65,000 lbs; time, 90 days.

Item 2. Direct pumping unit, maximum water power, 60-sec.-ft.

Charles C. Moore & Co., \$3,629 at Dayton, or \$3,891.61 delivered; time, 100 days; weight, 30,325 lbs.

Pelton Water Wheel Co., \$3,440 at San Francisco, or \$3,591.95 delivered; weight, 15,000 lbs.

S. Morgan Smith Co., or turbine at York and pump at San Francisco, \$4,-

500, or \$1,881.50 delivered; alternate \$4,550; at Harrison, N. J., \$5,000; time, 90 days; weight for the three propositions, respectively, 30,000 lbs, 32,000 lbs, and 33,000 lbs.

Services of erecting engineer, per day—Bid 1, \$12; 2, \$18; 3, \$14.

Steel Bridges.

Abstract of bids opened at Grand Junction, Colo., for furnishing seven steel service bridges; estimated weight, 45 tons:

Des Moines Bridge and Iron Works, Des Moines, Iowa, \$2.80 cwt; 45 days.

Central States Bridge Co., Indianapolis, Ind., \$2.77 cwt; 45 days.

Penn Bridge Co., Beaver Falls, Pa., \$2.74 cwt; 60 days.

Missouri Bridge and Iron Co., Leavenworth, Kans., \$3.12 cwt; 60 days.

Milwaukee Bridge Co., Milwaukee, Wis., \$3.24 cwt; 60 days.

St. Paul Foundry Co., St. Paul, Minn., \$3.25 cwt; 60 days.

Lowith Iron Works Co., Denver, Colo., \$3.65 cwt; 50 days.

Minneapolis Steel and Machinery Co., Minneapolis, Minn., \$3.55 cwt; 45 days.

Midland Bridge Co., Kansas City, Mo., \$3.85 cwt; 30 days.

Browne Iron Works, Denver, Colo., \$4.10 cwt; 60 days.

Independent Bridge Co., Pittsburgh, Pa., \$3.98 cwt; 60 days.

Ritter-Conley Manufacturing Co., Leetsdale, Pa., \$4.36 cwt; 56 days.

Highway and Pipe Bridge.

Bids were received at Great Falls, Mont., under schedule No. 291 for highway and pipe bridge at St. Mary River crossing, St. Mary canal, U. S. Reclamation Service, Milk River project, St. Mary storage unit, as follows:

Bid 1. Central States Bridge Co., 601 Beecher street, Indianapolis, Ind.

2. East St. Louis Bridge Co., East St. Louis, Ill.

3. Minneapolis Bridge Co., Minneapolis, Minn.

4. Vincennes Bridge Co., Vincennes, Ind.

5. Minneapolis Steel and Machinery Co., Minneapolis, Minn.

6. Chicago Bridge and Iron Co., 105th and Throop streets, Chicago, Ill.

7. Security Bridge Co., Billings, Mont.

8. Security Bridge Co., Billings, Mont.

9. Des Moines Bridge and Iron Works, 9th and Tuttle streets, Des Moines, Iowa.

10. Milwaukee Bridge Co., 1400 34th street, Milwaukee, Wis.

11. The Midland Bridge Co., Kansas City, Mo.

12. United States Bridge Co., P. O. Box 1088, Great Falls, Mont.

13. Penn Bridge Co., Beaver Falls, Pa.

Item 1. 2 spans steel bridge delivered f. o. b. cars manufacturer's plant—Bid 1, \$4,460; 2, \$2,484; 3, \$2,475; 4, \$2,666; 5, \$2,625; 6, \$2,600; 7, \$2,700; 8, \$3,150; 9, \$2,648; 10, \$2,585; 11, \$2,990; 12, \$3,750; 13, \$2,490.

2. Erecting 2 spans steel bridge, including wooden floor—Bid 1, \$1,900; 2, \$726; 3, \$770; 4, \$750; 5, \$850; 6, \$1,250; 7, \$1,240; 8, \$1,645; 9, \$1,646; 10, \$2,084; 11, \$1,740; 12, \$1,350; 13, no bid.

3. Erecting 4,000 ft. B. M., wooden approaches—Bid 1, \$20; 2, \$6; 3, \$9.60; 4, \$6.25; 5, \$15; 6, \$20; 7, \$8; 8, \$8; 9,

\$10; 10, \$15; 11, \$15; 12, \$8; 13, no bid.

Total, f. o. b. manufacturer's plant—Bid 1, \$6,440; 2, \$6,444; 3, \$6,528.40; 4, \$6,857; 5, \$7,010; 6, \$7,780; 7, \$7,912; 8, \$9,622; 9, \$8,628; 10, \$9,398; 11, \$9,520; 12, \$10,232.

Estimated freight charges—Bid 1, \$1,626.45; 2, \$1,180.80; 3, \$1,107; 4, \$1,-550.92; 5, \$960.75; 6, \$1,303.80; 7, \$1,-191.26; 8, \$1,393.59; 9, \$1,162.30; 10, \$1,-230; 11, \$1,193.0; 12, \$1,589.58; 13, \$1,-447.50.

Total, f. o. b. Brownings, Mont.—Bid 1, \$8,066.45; 2, \$7,624.80; 3, \$7,635.40; 4, \$8,407.92; 5, \$7,970.75; 6, \$9,083.30; 7, \$9,103.26; 8, \$11,015.59; 9, \$9,790.30; 10, \$10,628; 11, \$10,713.10; 12, \$11,821.58.

Weight of Bridge steel—Bid 1, 210,-000 lbs; 2, 192,000 lbs; 3, 180,000 lbs; 4, 203,000 lbs; 5, 183,000 lbs; 6, 212,000 lbs; 7, 193,700 lbs; 8, 226,600 lbs; 9, 197,000 lbs; 10, 200,000 lbs; 11, 194,000 lbs; 12, 212,000 lbs; 13, 193,000 lbs.

Delivery f. o. b. plant at—Bid 1, Indianapolis, Ind.; 2, East St. Louis, Ill.; 3, Chicago, Ill.; 4, Vincennes, Ind.; 5, Minneapolis, Minn.; 6, Chicago, Ill.; 7, Jacksonville, Ill.; 8, Jacksonville, Ill.; 9, Des Moines, Iowa; 10, Milwaukee, Wis.; 11, St. Louis, Mo.; 12, Bellefontaine, Ohio; 13, Beaver Falls, Pa.

Date of Delivery (on or before)—Bid 1, April 1, 1915; 2, April 1, 1915; 3, April 1, 1915; 4, March 15, 1915; 5, March 15, 1915; 6, March 1, 1915; 7, May 1, 1915; 8, May 1, 1915; 9, April 1, 1915; 10, April 1, 1915; 11, May 12, 1915; 12, April 15, 1915 (90 days from award); 13, May 1, 1915.

Weight of erection plant—Bid 1, 4,-000 lbs; 2, 5,000 lbs; 3, 2,000 lbs; 4, 4,-000 lbs; 5, 5,500 lbs; 6, 10,000 lbs; 7, 4,000 lbs; 8, 4,000 lbs; 9, 2,000 lbs; 10, 30,000 lbs; 11, 10,000 lbs; 12, 4,000 lbs.

HALLS AND SOCIETY BUILDINGS.

OAKLAND, CAL.—Municipal auditorium curtains and light fixtures. Cost not stated. Architect, Supervising Architect J. J. Donovan, Security Bank Bldg., Oakland. Owners, City of Oakland. Bids submitted for theatre curtain and hangings and for light fixtures for the Oakland Municipal Auditorium show the City of Paris, S. F., low on the curtains at \$3,625.60 and the English Co. low on the light fixtures at \$13,339. Bids were referred to the City Attorney. A complete list of the bids submitted will be found under the heading of Oakland and Alameda County in this issue.

HOTELS.

MARTINEZ, CONTRA COSTA CO., CAL.—Hotel and store, 2 story and base, frame, \$7,000. Architect, James T. Nabett, Berry Bldg., Richmond. Owner, D. L. Hilson. The building has been designed for stores on the first floor besides the hotel entrance. Upper floor will be arranged for a number of hotel rooms and several baths. Interior finish will be of pine and redwood. Pacific Mfg. plumbing goods will be used. Exterior of the building will be covered with cement plaster on metal lath. Plans are now out for figures.

SAN FRANCISCO—Hotel, 6 story and base. Class C construction, \$45,000. Architect, Edward T. Foulkes, Crocker Bldg., S. F. Owners, Columbia Realty Co. The building will be erected on the west side of Taylor street north of Sutter, and has been designed to contain in the neighborhood of 100

rooms, nearly all of which will have private baths. The first floor will contain the office, lobby and ladies' parlor. Interior will be finished in pine and elm panels. There will be steam heat, elevator service, a hot water system and vacuum cleaning. Bath rooms will have tile floors and wainscot. Tile floor will be used in the lobby and office. Exterior of the building will be faced with pressed brick trimmed with terra cotta. Plans have been revised for the second time and figures will be called for shortly.

LOS ANGELES, CAL.—Hotel addition, 3 story. Class A construction. Cost not stated. Architects, Parkinson & Bergstrom, Security Bldg., L. A. Owner, Harry C. Fryman. The Hayward Hotel, an eight-story structure located at the corner of Sixth and Spring streets will have a three story addition. The new portion will contain in the neighborhood of 60 rooms all of which will have private baths. The steam heat, elevator service and vacuum cleaning will be extended into the new portion of the building. Concrete floors, walls and roof slabs will be used. Interior partitions will be of tile. There will be pine and hardwood finish and metal window sash and frames. Exterior of the building will be faced with pressed brick. Plans are now being prepared.

HOSPITALS.

WALLA WALLA, WASH.—Hospital, 4 story and base. Class A construction, \$250,000. Architect, [Robert F. Tegen, Morgan Bldg., Portland. Owners, St. Mary's Hospital, Walla Walla. The architect has just been commissioned to prepare the plans and details of construction have not been received. Further mention will be made of the work as the plans progress.

FRESNO, FRESNO CO., CAL.—Hospital buildings, 1 and 2 story, frame. Cost not stated. Architects, Glass & Butner, Rowell Bldg., Fresno. Owners, Fresno County. The architects have been instructed to prepare plans for a new home for the resident physician, a dormitory building and a tuberculosis ward to be erected at the Fresno County Hospital. Construction will be of frame. Details have not been received and further mention will be made of the work.

LIBRARIES.

BERKELEY, ALAMEDA CO., CAL.—Library, 1 story and base, brick, \$10,000. Architect, W. H. Ratcliff, Jr., First National Bank Bldg., Berkeley. Owners, City of Berkeley. The building will be erected on San Pablo avenue near University and has been designed in the classic style. There will be one large reading room, stack room and office for the librarian. Interior finish will be of pine with maple floor. A central heating system, probably warm air, will be installed. Metal book stacks are specified. Exterior of the building will be faced with pressed brick. Plans are now being prepared.

POST OFFICES

PENDLETON, ORE.—Post office, 3 story and base, fireproof construction. Cost not stated. Architect, Supervising architect Oscar Wenderoth, Washington, D. C. Owners, United States Government. The building will cover

an area of approximately 5,500 square feet and will be of fireproof construction. Interior finish will be of pine and hardwood. There will be steam heat, a hot water supply, vacuum cleaning and metal window sash and frames. Special fireproof vaults will be installed. Exterior of the building will be faced with pressed brick, terra cotta and cut stone. Plans are complete and figures are being taken. Bids will be opened on March 25th. Plans can be secured from either the Supervising Architect or the Custodian of the site. An official proposal appears in another column of this issue.

WILLOWS, GLENN CO., CAL.—Post office, 2 story and base, \$75,000. Architect, Supervising Architect, Washington, D. C. Owners, United States Government. The House declined to appropriate \$75,000 to push the work on the Willows Federal Building, claiming an injustice would be done to other projects. Congressman Kent of California will carry the fight into the Senate.

Contracts Awarded.

THE DALLES, ORE.—Post office, 2 story and base, stone, steel and brick, \$79,658. Architect, Supervising architect Oscar Wenderoth, Washington, D. C. Owners, United States Government. Contractor, George Isaackson, 1013 East Irving street, Portland. Contract price, \$79,658.

RAILROAD CONSTRUCTION AND EQUIPMENT.

MODESTO, STANISLAUS CO., CAL.—Passenger station, 1 story and base, reinforced concrete, \$15,000. Architect, Engineering Department Southern Pacific Co., Flood Bldg., S. F. Owners, Southern Pacific Co. Plans are now being prepared for a new passenger station to be erected at Modesto. The building will be arranged for express and baggage rooms, two waiting rooms and office for the agent. Interior will be finished in pine. There will be a central heating system. The design is in the Mission style and roof will be of clay tile. Exterior of the building will be faced with cement plaster.

Contracts Awarded.

RICHMOND, CONTRA COSTA CO., CAL.—Passenger station, 1 story, frame and concrete, \$11,000. Engineer, Chief Engineer Southern Pacific Co., Flood Bldg., S. F. Owners, Southern Pacific Co. Contractors, Jones & McGovern, 2218 Los Angeles street, Berkeley. Contract price, \$11,000.

RESIDENCES.

SAN FRANCISCO — Residence, 1½ story and base, frame, \$2,500. Architect, none. Owners, Oscar Heyman & Bro., 742 Market street, S. F. The dwelling has been designed for a five-room house and will be erected on the west side of 11th avenue north of Moraga. Interior will be finished in pine and redwood. Hardwood floors will be used in the living and dining rooms. There will be open fire places and tile or brick mantels. An automatic water heater will be installed. Bath room will have tile wainscot. Exterior of the house will be covered with cement plaster on metal lath. Plans are complete and in the hands of the owners who will do the work by Day Labor. Materials are now being purchased.

SAN FRANCISCO—Residences, 2, 2 story and base, frame, \$3,000 each. Architect, none. Owners, Johnson & Johnson, 818 19th street, S. F. These houses will be erected on the east side of 22nd avenue south of California, and each has been designed to contain seven rooms and bath. Interiors will be finished in pine, redwood and hardwood veneer. Hardwood floors will be used in the living rooms, dining rooms and reception halls. There will be furnace heat and open fire places. Mantels will be of tile. Tile wainscot will be used in the bath rooms and kitchens. Automatic water heaters will be installed. Exteriors will be covered with rustic and cement plaster on metal lath. Plans are complete and in the hands of the owners who will do the work by Day Labor. Materials are now being purchased.

BERKELEY, ALAMEDA CO., CAL.—Residence, 2 story and base, frame, \$7,000. Architect, Eugene K. Martin, 2192 Shattuck avenue, Berkeley. Owner, Mr. Erickson. The dwelling will be erected on Prince street and has been designed to contain eight rooms, bath and sleeping porch. Interior finish will be of pine, redwood, hardwood veneer and white enamel. Hardwood floors will be used in the principal rooms. Plans provide for furnace heat and open fire places. Mantels will be of tile and brick. Bath room will have tile wainscot and floor. An automatic water heater will be installed. Exterior of the house will be covered with cement plaster on metal lath. Plans are complete and figures will be taken at once.

BERKELEY, ALAMEDA CO., CAL.—Bungalow, 1½ story and base, frame, \$3,700. Architect, James W. Plachek, Acheson Bldg., Berkeley. Owner's name withheld. The dwelling will be erected on San Mateo avenue and has been designed to contain eight rooms, bath and sleeping porch. Interior finish will be of pine and hardwood veneer with white enamel in the bed rooms. There will be furnace heat and open fire places. Mantels will be of brick or tile. Tile wainscot and floor will be used in the bath room. An automatic water heater will be installed. Exterior of the house will be covered with rustic and cement plaster on metal lath. Plans are now being prepared.

BERKELEY, ALAMEDA CO., CAL.—Residence, 2 story and base, frame, \$4,500. Architect, M. M. Bruce, 2270 Green street, S. F. Owner, H. H. Hall, 1910 Napa avenue, Berkeley. The dwelling has been designed for a seven room house with bath and sleeping porch and will be erected at the corner of Amador and Shattuck avenue. Interior will be finished in pine and redwood. White enamel will be used in the bed rooms. There will be hardwood floors in the living and dining rooms and reception hall. Plans provide for furnace heat and open fire places. Mantels will be of tile or brick. An automatic water heater will be installed. Tile wainscot will be used in the bath room. Exterior of the house will be covered with rustic and cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor.

BURLINGAME, SAN MATEO CO., CAL.—Residence, 2 story and base,

frame, \$6,000. Architect, Eugene K. Martin, 2192 Shattuck avenue, Berkeley. Owner, Mr. McDonald. The dwelling will be erected on Chapin avenue, and has been designed for an eight-room house with two baths and sleeping porch. Pine and hardwood interior trim will be used. Bed rooms will be finished in white enamel. Hardwood floors will be used in the living room, dining room and reception hall. There will be furnace heat and open fire places. Mantels will be of tile and brick. Bath rooms will have tile floors and wainscot. An automatic water heater will be installed. Exterior of the house will be covered with cement plaster on metal lath. Plans are now being prepared.

FRESNO, FRESNO CO., CAL.—Residence, 2 story and base, frame, \$3,000. Architect, none. Owner, C. C. Crane, 336 Thesta street, Fresno. The dwelling will be erected on Thesta street, and has been designed to contain seven rooms and bath. Interior will be finished in pine and redwood. Hardwood floors will be used in the living and dining rooms. There will be a large open fire places and tile or brick mantels. Tile wainscot will be used in the bath room. An automatic water heater will be installed. Exterior of the house will be covered with cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor.

MARTINEZ, CONTRA COSTA CO., CAL.—Residence, 1½ story and base, frame, \$3,000. Architect, James T. Narbett, Berry Bldg., Richmond. Owner, C. H. Hayden. The dwelling has been designed for a seven-room house with bath and sleeping porch. Interior will be finished in pine and redwood. Some hardwood floors will be used. There will be open fire places and tile or brick mantels. Bath room will have tile wainscot. An automatic water heater will be installed. Exterior of the house will be covered with rustic and cement plaster on metal lath. Plans are now being prepared.

SACRAMENTO, CAL.—Residence, 1 story and base, frame, \$1,500. Architect, none. Owner, John Shortliff, 3216 Pearl avenue, Sacramento. The dwelling will be erected in East Sacramento and has been designed for a five-room house with bath. Interior finish will be of pine and redwood. Some hardwood floors will be used. There will be an open fire place and tile mantel. Bath room will have tile wainscot. Exterior of the dwelling will be covered with rustic and cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor.

OAKLAND, CAL.—Residence, 2 story and base, frame, \$5,000. Architect, Claude B. Barton, First Trust Bldg., Oakland. Owner, J. McClellan. The dwelling has been designed for a seven-room house and will be erected in the Crocker Highlands. Interior finish will be of pine and redwood with some hardwood veneer and white enamel. Hardwood floors will be used in the living and dining rooms. There will be furnace heat and open fire places. Mantels will be of tile. Tile wainscot and floor will be used in the bath room. An automatic water heater will be installed. Exterior of the house will be covered with cement

plaster on metal lath. Plans are now being prepared.

SACRAMENTO, CAL.—Cottage, 1 story and base, frame, \$300. Architect, none. Owner, C. J. Hopkinson, 1318 25th street, Sacramento. The dwelling will be erected in Boulevard Park, and has been designed for a five-room house with bath. Interior will be finished in pine and redwood. Hardwood floors will be used in the living and dining rooms. There will be a large open fire place in the living room. Mantel will be of tile or brick. Tile wainscot will be used in the bath room and kitchen. Exterior of the house will be covered with rustic and cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor.

STOCKTON, SAN JOAQUIN CO., CAL.—Residence, 1 story and base, frame, \$3,000. Architect, Joseph Losekann, San Joaquin Bldg., Stockton. Owner, Ray Friedberger, 1407 N. El Dorado street, Stockton. The dwelling will be erected in Yosemite Terrace and has been designed for a six-room house with bath and sleeping porch. Interior finish will be of pine and redwood. Hardwood floors will be used in the living and dining rooms. There will be open fire places and tile or brick mantels. An automatic water heater will be installed. Tile wainscot will be used in the bath room. Exterior of the house will be covered with rustic and shiplap. Plans are complete and figures are being taken.

STOCKTON, SAN JOAQUIN CO., CAL.—Bungalow, 1 story, frame, \$2,000. Architect, none. Owner, Adolph Brown, 210 East Market street, Stockton. The dwelling has been designed for a five-room house and will be erected on Baker street. Interior finish will be of pine throughout. Some hardwood floors will be used. There will be an open fire place and tile mantel. Exterior of the house will be covered with rustic and shiplap. Plans are complete and in the hands of the owner who will do the work by Day Labor.

LOCKEFORD, SAN JOAQUIN CO., CAL.—Bungalow, 1½ story and base, frame, \$4,000. Architect, Ralph J. Morrell, Odd Fellows' Bldg., Stockton. Owner, H. W. Walsh. The dwelling has been designed to contain six rooms, bath and sleeping porch. Interior will be finished in pine, redwood and hardwood veneer. Hardwood floors will be used in the living room, dining room and reception hall. There will be furnace heat and open fire places. Mantels will be of tile or brick. An automatic water heater will be installed. Tile wainscot will be used in the bath room. Exterior of the house will be covered with rustic and cement plaster on metal lath. Plans are complete and figures are being taken.

STOCKTON, SAN JOAQUIN CO., CAL.—Residence, 1½ story and base, \$3,000. Architect, Joseph Losekann, San Joaquin Bldg., Stockton. Owner, Robert M. Morton. The dwelling will be erected in the Oaks Addition and has been designed for a six-room house with bath and sleeping porch. Interior will be finished in pine and redwood. Hardwood floors will be used in the living and dining rooms. Bath room will have tile wainscot. An automatic water heater will be installed. Exterior of the house will be covered with cement plaster on metal

lath. Plans are complete and figures are being taken.

DIXON, SOLANO CO., CAL.—Residence, 2 story and base, concrete, \$15,000. Architect's name not given. Owner, R. D. Meyers, Dixon. The dwelling has been designed to contain twelve rooms, two baths and sleeping porch. Interior finish will be of pine and hardwood with white enamel in the bed rooms. Hardwood floors will be used in the living room, dining room and reception hall. There will be furnace heat and open fire places. Mantels will be of tile or brick. A hot water circulating system will be installed. Tile floors and wainscot will be used in the bath rooms. Exterior of the house will be covered with cement plaster. Plans are complete and the work will be done by Day Labor.

HOLLYWOOD, LOS ANGELES CO., CAL.—Residences, 2, 2 story and base, \$30,000 each. Architect, Elmer Grey, Wright and Callender Bldg., L. A. Owner's name withheld. These two dwellings will be erected in Hacienda Park and each will contain sixteen rooms, three baths and sleeping porches. Only preliminary plans have been prepared and compete details cannot be given. Further mention will be made of the work.

SCHOOLS.

SAN FRANCISCO — School finish. Class A construction, \$86,906. Architects, City Department of Architecture, Temporary City Hall, S. F. Owners, City and County of San Francisco. Bids opened by the Board of Public Works for the finish construction in the Academic Building, Polytechnic High School group, show P. F. Reilly low at \$86,906, and he will probably be awarded the contract. A complete list of the bids received will be found under the heading of San Francisco in this issue.

RICHMOND, CONTRA COSTA CO., CAL.—School, 1 story brick, \$12,000. Architect, James T. Narbett, Berry Bldg., Richmond. Owners, City of Richmond. The building has been designed for a fourteen-room school and when entirely complete will cost about \$60,000. Only the first unit of four rooms will be erected at the present time. Interior finish will be of pine throughout with maple floors in the class rooms. There will be furnace heat and oil burning equipment. Exterior of the building will be faced with pressed brick. Plans are being prepared.

PALO ALTO, SANTA CLARA CO., CAL.—School, 1 story and base, brick, \$160,000. Architects, Allison & Allison, Hibernian Bldg., L. A. Owners, Palo Alto School District. Architects Allison & Allison have been notified by the Board of School Trustees of Palo Alto that owing to the recent court decision relative to the law of 1878 requiring a public competition for all county buildings, that plans for the new \$160,000 school building could not be used. The question of securing further plans will be taken up by the Board at their next meeting.

EVERETT, WASH. — School, 2 story and base, brick and concrete, \$47,000. Architect, W. W. Hastings. Everett, Wash. Owners, Everett School District No. 24. The building has been designed to contain eight class rooms, an auditorium and departments for domestic science and manual training. Interior will be finished in pine. Maple

floors will be used in the class rooms. There will be steam heat, modern school plumbing, vacuum cleaning and program clocks. Exterior of the building will be faced with pressed brick. Plans are complete and figures are being taken. Bids will be opened on March 15th. Plans and specifications can be secured from the architect.

WARDEN, WASH.—School, 2 story and base, reinforced concrete, \$15,000. Architect, W. W. Hastings, Everett, Wash. Owners, Warden School District. The building will contain six class rooms and an assembly hall. Interior will be finished in pine with maple floors in the class rooms. Plans provide for steam heat, modern school plumbing and program clocks. Exterior of the building will be faced with cement plaster. Plans are complete and figures are being taken. Bids will be opened on March 20th. Plans and specifications can be secured from the architect.

SALEM, ORE.—School, 2 story and base, semi-fireproof construction, \$20,000. Architect, George R. Post, Salem. Owners, City of Salem. The building will contain eight class rooms, principal's office and teachers' rooms. Interior will be finished in pine throughout. Maple floors will be used in the class rooms. A fan system of heating will be installed. Exterior of the building will be faced with pressed brick. Plans are now being prepared.

LANCASTER, LOS ANGELES CO., CAL.—School, 1 story and base, reinforced concrete. Cost not stated. Architect, E. L. Hopkins, Delta Bldg., L. A. Owners, Antelope Valley Union High School District. The building will cover an area of 108 by 68 feet exclusive of the auditorium, which will cover 70 by 64 feet. There will be six class rooms. Interior finish will be of pine. Maple floors will be used in the class rooms. Plans provide for modern school plumbing and a central heating system. Exterior of the building will be faced with cement plaster. Plans are now being prepared.

CHATSWORTH SCHOOL DISTRICT, LOS ANGELES CO., CAL.—School, 1 story and base, hollow tile, \$30,000. Architects, Dennis & Hewitt, Fay Bldg., L. A. Owners, Chatsworth School District. The building will contain class rooms, an auditorium, library and principal's office. Interior will be finished in pine. There will be a central heating system, probably a warm air system. Exterior of the building will be covered with cement plaster. Plans are being prepared.

HOLLYWOOD, LOS ANGELES CO., CAL.—School, 2 story and base, brick and concrete. Cost not stated. Architect, Norman F. Marsh, Broadway Central Bldg., L. A. Owners, Hollywood High School District. The building will cover an area of 100 by 112 feet. The basement will be arranged for a large gymnasium with a balcony. There will be fourteen class rooms, an auditorium and teachers' rooms. Interior finish will be of pine with maple floors in the class rooms. Plans provide for steam heat, oil burning furnaces, vacuum cleaning and program clocks. Exterior of the building will be faced with pressed brick. Plans are now being prepared.

LOS ANGELES, CAL.—Schools, 2, 2 story and base, brick and hollow tile. Cost not stated. Architect, Elmore R. Jeffery, Wesley Roberts Bldg., L. A. Owners, Garbansa Highland Park

High School. The buildings will be erected at the corner of 54th avenue and Irvington Place. Only preliminary plans have been prepared and details of this work are not yet available. Further mention will be made of the work as plans progress.

PUENTE, LOS ANGELES CO., CAL.—Schools, 3, 1 story, brick or hollow tile, \$45,000. Architect, C. H. Brown, Stimson Bldg., L. A. Owners, Puente High School District. Three buildings will be erected at the present time. The administration building will be two stories, 136 by 100 feet. The science and commercial buildings will each be one story, 55 by 70 feet. The style of architecture will be Spanish Renaissance. The construction will be of brick or hollow tile with plastered exteriors, clay tile roofs, concrete foundations, pine trim, maple floors, slate blackboards, plumbing, electric wiring, heating and ventilating and vacuum cleaning system. Plans are being prepared.

LOS ANGELES, CAL.—School group, 5, 1 and 2 story, hollow tile, \$50,000. Architect, George A. Howard, Grant Bldg., L. A. Owners, Hyde Park School District. The group will consist of the administration building and four smaller structures. The main building will be two stories, extreme dimensions 100 by 100 feet. It will contain an auditorium to seat 500 people, principal's and superintendent's offices, a large enclosed study hall, two open-air class rooms and teachers' rooms. The smaller buildings will each contain two class rooms, cloak rooms, teachers' room and lavatories. The central heating system will be placed in the basement of the main building. The buildings will be of interlocking tile construction, with concrete fountain tile roofs, brick exterior trim, maple floors, pine interior trim.

OWENSMOUTH, LOS ANGELES CO., CAL.—School, 2 story and base, brick or hollow tile construction, \$70,000. Architects, Dennis & Hewitt, Fay Bldg., L. A. Owners, Owensmouth Union High School District. The building will cover an area of 230 by 60 feet and has been designed in the classic style and will contain twelve standard class rooms, large auditorium, library, lecture rooms, manual training and domestic science departments, etc. The construction will be of hollow tile or brick with plastered exterior, artificial stone trim and columns, concrete foundations, clay tile roofing, pine trim, reinforced concrete stairways and corridor floors, plumbing, heating and electric wiring. Plans are being prepared.

COLTON, SAN BERNARDINO CO., CAL.—School, 2 story and base, brick, \$70,000. Architects, Allison & Allison, Hibernian Bldg., L. A. Owners, Colton School District. The building will contain sixteen class rooms, auditorium, domestic science and sloyd rooms. Concrete foundations and artificial stone trim, clay tile roof, pine interior trim, maple floors, slate blackboards, lavatories, plumbing, electric wiring, plenum system of heating, etc. Separate bids will be taken on the general contract, plumbing and heating. Bonds in the sum of \$80,000 have been voted and sold. Plans are complete and figures are being taken. Bids will be opened on February 26th. Plans can be secured from the architects.

RICHLAND SCHOOL DISTRICT, KERN CO., CAL.—School, 1 story, frame. Cost not stated. Architect, J. M. Saffell, Fiske Bldg., Bakersfield,

Owners, Richland School District. The building has been designed for a district school and will contain two class rooms. Interior will be finished in pine. Stoves will be used for heating. Exterior of the building will be covered with rustic and cement plaster. Plans are now being prepared.

Contracts Awarded.

ROSEVILLE, PLACER CO., CAL.—School, 1 story and base, brick and concrete, \$39,855. Architect, W. H. Weeks, 75 Post street, S. F. Owners, Roseville Union High School District. Contractors, O'Rourke & Brady, San Francisco, general construction. Contract price, \$39,555.

LOS ANGELES, CAL.—School, 1 story and base, brick, \$48,749. Architect, R. C. Farrell, Architectural Department Board of Education, L. A. Owners, City of Los Angeles. Contractors, The Merchants' Realty and Investment Co., Van Nuys Bldg., L. A. Contract price, \$48,749.

SEWERS, STREET WORK & WATER SYSTEMS.

REDWOOD CITY, SAN MATEO CO., CAL.—Highway construction. Cost not stated. Engineer, County Surveyor Neuman, Redwood City. Owners, San Mateo County. Plans are complete for constructing 2½ miles of concrete and oil macadam highway extending from Hillsborough to the Crystal Springs Lakes. Bids are being taken and will be opened on March 1st. Plans and complete information can be secured from the County Surveyor at Redwood City.

SALINAS, MONTEREY CO., CAL.—Road construction, \$30,000. Engineer, County Surveyor, Salinas. Owners, Monterey County. Bids received and opened by the Board of Supervisors for the improvements of Spreckels boulevard from Hilltown to the town of Spreckels and thence to Spreckels Junction were rejected. The bids received were as follows: Dan McCormick, \$25,500; Granite Rock Co, \$25,799; Peterson & Grier, \$30,760. New bids will be called for.

REDWOOD CITY, SAN MATEO CO., CAL.—Highway construction. Cost not stated. Engineer, County Surveyor Neuman, Redwood City. Owners, San Mateo County. Plans are complete and figures are now being called for on the construction of approximately 4.26 miles of county highway, extending from Menlo Park to Portola. The road will be of concrete macadam. Bids will be opened on March 1st. Plans and complete information can be secured from the County Surveyor.

LONG VALLEY, LASSEN CO., CAL.—Irrigation project. Cost not stated. Engineers, United States Reclamation Service, Washington, D. C. Owners, United States Government. The Interior Department has agreed to consider a survey of Long Valley Creek, Lassen County, for a new irrigation project, if the people will subscribe at least \$5,000. This has met with favor among the residents of the county, and it is thought that the survey will be underway at an early date.

COLUSA, COLUSA CO., CAL.—Furnishing cement. Cost not stated. Engineer, County Surveyor, Colusa. Owners, Colusa County. Bids will be received up to and including March 2nd for furnishing the county with cement for the year 1915. The amount is not to exceed 10,000 barrels and must be delivered in car lots at any station in Colusa County. Complete information

can be secured from the County Clerk.

OROVILLE, BUTTE CO., CAL.—Street paving. Cost not stated. Engineer, City Engineer, Oroville. Owners, City of Oroville. The City Trustees have adopted a resolution of intention to pave Bird street from Lincoln to the Marysville road, a distance of nine blocks, and at the same time instructed the City Engineer to prepare plans and specifications for the work on this street as well as on Montgomery street for the same distance.

VALLEJO, SOLANO CO., CAL.—Water pipe, cast iron. Cost not stated. Engineer, City Engineer, Vallejo. Owners, City of Vallejo. The City Council has authorized Commissioner Warford to secure estimates on 1,000 feet of 4-inch pipe to be used for extending the fire control zone in the O'Hara Tract, and for what new work will be necessary when Virginia street is improved beyond Monterey.

RIVERSIDE, RIVERSIDE CO., CAL.—Ornamental lighting system. Cost not stated. Engineer, City Engineer, Riverside. Owners, City of Riverside. Preliminary plans are now being considered by residents of the East Side District for an ornamental lighting system. Residents have discussed the needs of lights in the section bounded by Pachappa and Chicago avenues and Blaine and Moody streets. In this district it is proposed to establish single light ornamental post lights. The matter has already been called to the attention of the City Council by Councilman Strickler, who is interested in the proposed system. After considerable discussion the Council ordered the City Engineer to prepare a map of the proposed lighting district.

SEATTLE, WASH.—Road construction, \$80,000. Engineer, County Surveyor Denton, Seattle. Owners, Kings County. Plans have been completed for the construction of the ten-mile section of road between Renton and Issaquah, which will cost about \$80,000. The condemnation proceedings have not as yet been completed so that it will probably be thirty days before the work is advertised for bids.

Contracts Awarded

CHICO, BUTTE CO., CAL.—State Highway construction, \$70,042.40. Engineer, State Highway Commission, Forum Bldg., Sacramento. Owners, State of California. Contractors, Whitlock & Gorrill, San Francisco. Contract price \$70,042.40. This contract covers the construction of the State Highway between Nelson and Chico, a distance of 12½ miles.

PORTERVILLE, TULARE CO., CAL.—Street paving, \$61,013.81. Engineer, City Engineer, Porterville. Owners, City of Porterville. Contractors, Federal Construction Co., San Francisco. Contract price, \$61,013.81.

VANCOUVER, B. C.—Water system, dam and pipe, \$98,612. Engineer's name not given. Owners, City of West Vancouver. Contractors, Vancouver Plumbing and Heating Co., Vancouver. Contract price, \$98,612. This contract covers the construction of a reinforced concrete dam 112 feet long and 28 feet high, 320 feet of timber trestle and 18 miles of pipe.

THEATRES.

SAN FRANCISCO—Theatre alterations, concrete and steel. Cost not stated. Architect, J. R. Miller, Lick Bldg., S. E. Owners, Realty and Rebuilding Co. The old Chutes Theatre will be

moved to the rear of the present stores on Fillmore street between Turk and Eddy streets and a new entrance and other alterations made to conform with the law. Plans are complete and work will be started shortly.

BREMERTON, WASH.—Theatre, 1 story and base, reinforced concrete, \$35,000. Architect, Max Umbrecht, Rector Hotel, Seattle. Owners, Oswald & Rantz. The building will be erected on Burwel avenue near Pacific and will have a seating capacity of 750 people. Interior will be finished in pine and ornamental plaster. Construction will be fireproof throughout. Plans provide for steam heat, vacuum cleaning, special electric work and a modern system of ventilating. Exterior will be faced with cement plaster. Plans are complete and figures are being taken.

WALLA WALLA, WASH.—Theatre, 2 story and base, reinforced concrete, \$45,000. Architect, George B. Purvis, Northern Bank Bldg., Seattle. Owners, Crews Amusement Co. The building will be of fireproof construction with reinforced concrete floors, walls and roof slabs. The main auditorium and balcony will have a seating capacity of 1,200 people. Interior finish will be of pine and ornamental plaster. There will be steam heat, vacuum cleaning, a modern system of ventilation and special electric work. Metal window sash and frames will be used. Exterior of the building will be faced with cement plaster. Plans are complete and figures are being taken.

SEALED PROPOSALS

PROPOSALS FOR PUMPING PLANT.

PUMPING PLANT—U. S. Engineer Office, 602 Burke Building, Seattle, Wash.—Sealed proposals for pumping plant for Lake Washington canal locks will be received at this office until noon March 15, 1915, and then publicly opened. Information on application to U. S. engineer office, Seattle, Wash.; Chicago, Ill., or New York, N. Y. J. B. CAVANAUGH, major, engineers.

PROPOSALS FOR PUMPING UNIT.

PUMPING UNIT—U. S. Reclamation Service, Los Angeles, Cal.—Sealed proposals will be received here until February 12, 1915, for furnishing four direct-connected centrifugal pumping units, each unit to consist of a horizontal 2-stage inclosed runner centrifugal pump having a capacity of 100 gallons per minute under a head of 125 feet direct connected to a suitable 3-phase constant speed induction motor. For further information address O. H. ENSIGN, chief electrical engineer.

INVITATION FOR PROPOSALS.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C. February 1, 1915—SEALED PROPOSALS will be opened in this office at 3 P. M., March 25, 1915, for the construction complete (including mechanical equipment, except elevator, lighting fixtures, and approaches) of the United States Post Office and Court House at Pendleton, Oregon. Three-story and basement, fireproof building, ground area, 5,500 square feet; stone, terra cotta, and brick facing. Drawings and specifications may be obtained, after February 11, 1915, from the Custodian of site at Pendleton, Oregon, or at this office, in the discretion of the Supervising Architect, O. WENIGEROTH, Supervising Architect.

PROPOSALS FOR EXCAVATION AND CONCRETE.

EXCAVATION AND CONCRETE—Department of the Interior, United States Reclamation Service, Washington, D. C.—Sealed proposals will be

received at the office of the United States Reclamation Service, Provo, Utah, until 2 o'clock p. m. February 24, 1915, for construction involving 49,000 yards of canal excavation and 3,670 yards of reinforced concrete. The work is located near Payson City, Utah, on the San Pedro, Los Angeles and Salt Lake Railroad and the Tintic branch of the Denver and Rio Grande Railroad. For particulars address the United States Reclamation Service at Provo, Utah, or Washington, D. C. A. P. DAVIS, director and chief engineer.

PROPOSALS FOR CANAL SUPPLIES.

PANAMA CIRCULAR 900—Proposals for Dynamite, Safety Fuse, Blasting Caps, Detonators, Electric Motors, Rack Pinion Quills, Cable Belts, Electric Valves, Structural Steel, Steel and Iron Castings, Pig Iron, Rail Frogs, Staybolt Iron, Track Spikes, Poultry Netting, Wrought Iron and Steel Pipe, Pipe Fittings, Slab Zinc, Solder, Shovels, Garbage Can Covers, Water Coolers, Twist Drills, Reamers, Brooms, Life Preservers, Airbrake Hose, Rubber Tubing, Insulating Tape, Rubber Tires, Leather Belting, Rubber Belting, Sponges, Chamois Skins, Chair Seats, Twine, Rock Salt, Soap, Candles, Putty, Paint Remover, San Soda, Aqua Ammonia, Muriatic Acid, Linseed Oil, White Zinc, White Lead, Shellac, Enamel, Varnish, Paints, Lampblack, Memorandum Books, Scratch Pads, Paper, Crossties and Poplar Lumber.—Sealed proposals will be received at the office of the general purchasing officer, the Panama Canal, Washington, D. C., until 10:30 a. m. February 18, 1915, at which time they will be opened in public, for furnishing the above mentioned articles. Blanks and general information relating to this circular (No. 900) may be obtained from this office or the offices of the assistant purchasing agent, 1086 North Point street, San Francisco, Cal.; also from the U. S. engineer offices in the following cities: Seattle, Wash.; Los Angeles, Cal. F. C. BOGGS, major, corps of engineers, U. S. army, general purchasing officer.

NOTICE TO CONTRACTORS.

SEALED BIDS will be received by W. F. McClure, State Engineer, Forum Building, Ninth and K Streets, Sacramento, California, up to and including 12 o'clock, noon, Monday, March 1, 1915, said bids then and there to be publicly opened and read for furnishing all plant, materials, and labor, and doing the work required for the complete construction and erection of a building to be known as the "Superintendent's Residence," Southern California State Hospital, Patton, California, in accordance with the plans specifications therefor, copies of which may be obtained on application to the State Department of Engineering, Sacramento, California.

Such bids will be received by the Entire Work, and must be submitted on forms prepared and furnished by the State Department of Engineering.

Cash, a bidder's bond, or a certified check in the sum of ten per centum (10%) of the amount of the bid must accompany each bid.

A deposit of Ten (\$10.00) Dollars will be required on plans and specifications, the deposit to be returned immediately on the return of the plans and specifications to the State Department of Engineering, at Sacramento, California, in good condition.

The State Department of Engineering reserves the right to reject any and all bids and to waive any informality in any bid received.

All bids must be addressed to W. F. McClure State Engineer, Sacramento, California, and plainly marked on the envelope: "Proposal for Superintendent's Residence, Southern California State Hospital, Patton, California."

(SIGNED) W. F. MCCLURE,
State Engineer. (*)

PROPOSALS FOR FOUNDATIONS.

FOUNDATIONS—Sealed proposals indorsed "Proposals for Foundations for Radio Towers" will be received at the naval station, Cavite, P. I., or at the bureau of yards and docks, Navy Department, Washington, D. C., until 11 o'clock a. m. March 13, 1915, and then and there publicly opened, for the construction of concrete and pile

foundations for three 600-foot steel radio towers at the naval station, Cavite, P. I. Plans and specifications may be obtained on application to the bureau or to the commandant of the naval station named, H. R. STANFORD, chief of bureau.

PROPOSALS FOR BUILDING.

BUILDING—Sealed proposals indorsed "Proposals for two Bungalows" will be received at the bureau of yards and docks, Navy Department, Washington, D. C., until **11 o'clock a. m. February 20, 1915**, and then and there publicly opened, for two bungalows for marine officers' quarters at the U. S. navy yard, Mare Island, Cal. Plans and specifications can be obtained on application to the bureau or to the commandant of the navy yard named, H. R. STANFORD, chief of bureau.

PANAMA-PACIFIC INTERNATIONAL EXPOSITION.

Due to the short time that now intervenes until the Opening Day of the Exposition, the Buildings and Grounds Committee will discontinue the practice of advertising for bids on construction work.

In the future, a notice, attached to the plans and specifications on which bids are desired, will be posted on the Bulletin Board located on the first floor of the Service Building near the entrance. Bids for all work posted on this Board will be taken and the contracts awarded within twenty-four hours.

By order of the Buildings and Grounds Committee.

WILLIAM H. CROCKER,
Chairman. (*)

PROPOSALS FOR CANAL SUPPLIES.

PROPOSALS FOR FOUNDATIONS.

FOUNDATIONS, RADIO TOWERS—Sealed proposals indorsed "Proposals for Foundations for Radio Towers" will be received at the naval station, Pearl Harbor, Hawaii, or at the bureau of yards and docks, Navy Department, Washington, D. C., until **11 o'clock a. m. February 27, 1915**, and then and there publicly opened, for the construction of concrete foundations for three 600-foot steel radio towers at the naval station, Pearl Harbor, Hawaii. Plans and specifications may be obtained on application to the bureau or to the commandant of the naval station named, H. R. STANFORD, chief of bureau.

PROPOSALS FOR COFFERDAM.

COFFERDAM—U. S. Engineer Office, 602 Burke Bldg., Seattle, Wash.—Sealed proposals for excavation, removal of sections of an existing cofferdam at the construction of a new cofferdam at the Puget Sound-Lake Washington lock site, Seattle, Wash., will be received at this office until **12 noon, February 17, 1915**, and then publicly opened. Information on application. J. B. CAVANAUGH, major, engineers.

PROPOSALS FOR FOUNDATIONS.

FOUNDATIONS—Sealed proposals indorsed "Proposals for Foundations for Radio Towers" will be received at the bureau of yards and docks, Navy Department, Washington, D. C., until **11 o'clock a. m. February 27, 1915**, and then and there publicly opened, for the construction of nine foundations for radio towers at the United States naval reservation, Chollas Heights, San Diego, Cal. Plans and specifications may be obtained on application to the bureau. H. R. STANFORD, chief of bureau.

NOTICE TO CONTRACTORS.

SEALED bids will be received by W. F. McClure, State Engineer, Forum Building, Sacramento, California, up to and including **12 o'clock, noon, Monday, March 1, 1915**, said bids then and there to be publicly opened and read for furnishing all plant, materials, and labor, and doing the work required for the complete construction and erection of a building to be known

as the "Superintendent's Residence," Southern California State Hospital, Patton, California, in accordance with the plans and specifications therefor, copies of which may be obtained on application to the State Department of Engineering, Sacramento, California.

Such bids will be received for the Entire Work, and must be submitted on forms prepared and furnished by the State Department of Engineering. Cash, a bidder's bond, or a certified check in the sum of ten per centum (10%) of the amount of the bid must accompany each bid.

A deposit of Ten (\$10.00) Dollars will be required on plans and specifications, the deposit to be returned immediately on the return of the plans and specifications to the State Department of Engineering at Sacramento, California, in good condition.

The State Department of Engineering reserves the right to reject any and all bids and to waive any informality in any bid received.

All bids must be addressed to W. F. McClure, State Engineer, Sacramento, California, and plainly marked on the envelope: "Proposals for Superintendent's Residence, Southern California State Hospital, Patton, California."

(Signed) W. F. McCLURE,
State Engineer.

PROPOSALS FOR STEEL TOWERS.

STEEL TOWERS—Sealed proposals, indorsed "Proposals for Steel Towers," will be received at the bureau of yards and docks, Navy Department, Washington, D. C., and at the U. S. naval station, Cavite, P. I., until **11 o'clock a. m. February 27, 1915**, and then and there publicly opened for the construction and erection of three 600-foot steel towers at each of the following naval stations: San Diego, Cal.; Pearl Harbor, Hawaii, and Cavite, P. I. Plans and specifications may be obtained on application to the bureau or at the naval stations named upon deposit of \$25 as security for their return. H. R. STANFORD, chief of bureau.

NOTICE TO CONTRACTORS.

OFFICE CONSTRUCTING QUARTERMASTER, Fort Mason, Cal., 2nd February, 1915. **SEALED PROPOSALS**, in triplicate, for constructing Commanding Officers Quarters including plumbing, heating, electric wiring and fixtures, at Fort Winfield Scott, California, will be received here until **11 A. M., 16th February, 1915**, and then opened. Plans, specification blank forms and necessary information can be obtained here. Deposit of \$10.00 required to insure return of plans, etc. Proposals to be inclosed in sealed envelopes and addressed to GEO. McK. WILLIAMSON, Lt. Col., Q. M. C. (*)

NOTICE TO STEEL ROLLING DOOR MANUFACTURERS.

Office of the Board of State Harbor Commissioners, Union Depot and Ferry House, San Francisco, Cal., February 15, 1915.

SEALED PROPOSALS or bids will be received at this office at or prior to **11 o'clock A. M., on Thursday, March 4, 1915**, for furnishing and installing steel rolling doors on the shed on Pier No. 24 on the waterfront of the City and County of San Francisco, in accordance with the plans and specifications prepared for these doors by the Assistant State Engineer, and adopted by the Board, February 8, 1915, and on file in this office, to which special reference is hereby made.

No bid will be received unless it is made on a blank form furnished from this office. Each bid shall be accompanied by a certified check for an amount equal to five (5) per cent of the amount of the proposal, to be made payable to the order of the Secretary of the Board, conditioned that if the proposal is accepted and the contract awarded, and if the bidder shall fail or neglect to execute a contract and give the bond required within six days after the award is made, in that case said sum mentioned in said check shall be deemed liquidated damages for such failure and neglect and shall be paid into the

San Francisco Harbor Improvement Fund.

The bond required to be not less than one-half of the amount of the bid, with two or more sureties to be approved by the Board of State Harbor Commissioners, and conditioned for the faithful performance by the contractor of all the terms and conditions of said contract according to the true intent and meaning thereof and to the satisfaction of said Board; and said bond shall also be effective as provided in an act approved May 1, 1911, for the protection of material men, mechanics and laborers.

Bids will not be considered by this Board unless delivered to the Secretary or to the Assistant Secretary at the office of the Secretary, Room 17, Ferry Building, at or prior to **11 o'clock A. M. on Thursday, March 4, 1915**, at which time and place the bids will be opened.

The Board reserves the right to reject any or all bids if deemed for the best interest of the State.

Bidders are invited to be present at the opening of the bids.

Plans and specifications of this work to be had at Room 18, Union Depot and Ferry House, upon depositing \$20.00 for same, which will be returned on return of plans and specifications.

Bidders are requested to mark envelope containing bid: "Bid for Steel Rolling Doors."

J. J. DWYER,
THOMAS S. WILLIAMS,
J. H. McCALLUM,

Board of State Harbor Commissioners.
JEROME NEWMAN,
Assistant State Engineer.
LEO. V. MERLE, JR.,
Secretary. (*)

PAVING WORK CONSIDERED.

LINDSAY, Tulare Co., Cal.—At a recent meeting of the Board of Trustees a resolution was passed to pave the remainder of Sweet Briar avenue to Tulare road. The matter of paving Elmwood avenue to the Tulare highway is also being considered.

THE SELF SOLVING COTTON PROBLEM.

More than 10 million bales of cotton, worth 400 million dollars, have been marketed by growers out of the 1914 crop. Of this quantity more than 4 million bales, worth 160 million dollars, have been exported.

The figures are here given to show the foolishness of all the projects proposed in the weeks following the outbreak of the war "to help the South." There was the "buy a bale" movement, the 135 million dollar loan pool, the efforts by Southern congressmen to push a bill through Congress for the issue of paper money to buy cotton and numerous others.

The "buy a bale" movement was nothing but noise. Only \$10,000 of the 135 million dollar loan fund pledged by bankers was applied for. Thanks to the positive and clear opposition of Secretary McAdoo, the congressional aid schemes failed.

Meantime it has been demonstrated that the South could take care of itself; that its last cotton crop had a substantial value and could be sold as soon as the world's markets became readjusted to the extraordinary conditions arising from the war.

It is true that the price of cotton is much lower than in recent years, but it is also true that the price is high enough to put hundreds of millions of dollars in circulation in the South and to give a marked revival of business in that part of the country.—Kansas City Star.

ADVANCE NEWS

Classified according to Location

SAN FRANCISCO.

RESIDENCE—1½ story and base, frame, \$2,500. San Francisco. Architect, none. Owners, Oscar Heyman & Bro., 742 Market street, S. F. The dwelling has been designed for a five room house and will be erected on the west side of 11th avenue north of Morago. Interior will be finished in pine and redwood. Hardwood floors will be used in the living and dining rooms. There will be open fire places and tile or brick mantels. An automatic water heater will be installed. Bath room will have tile wainscot. Exterior of the house will be covered with cement plaster on metal lath. Plans are complete and in the hands of the owners who will do the work by Day Labor. Materials are now being purchased.

RESIDENCES—2, 2 story and base, frame, \$3,000 each. San Francisco. Architect, none. Owners, Johnson & Johnson, 818 19th street, S. F. These houses will be erected on the east side of 22nd avenue south of California, and each has been designed to contain seven rooms and bath. Interiors will be finished in pine, redwood and hardwood veneer. Hardwood floors will be used in the living rooms, dining rooms and reception halls. There will be furnace heat and open fire places. Mantels will be of tile. Tile wainscot will be used in the bath rooms and kitchens. Automatic water heaters will be installed. Exteriors will be covered with rustic and cement plaster on metal lath. Plans are complete and in the hands of the owners who will do the work by Day Labor. Materials are now being purchased.

APARTMENT HOUSE—3 story and base, frame, \$14,000. San Francisco. Architect, none. Owner, Fred W. Lurmann, 1351 California street, S. F. The building will be erected on a lot 27½ by 83½ feet on the north side of California street west of Taylor. The building has been designed to contain six suites of four rooms each. Interior will be finished in pine and hardwood. Hardwood floors will be used in the living and dining rooms. There will be steam heat, oil burning plant and a hot water system. All apartments will have wall beds and private bath rooms. Bath rooms will have tile floors and wainscot. Entrance will be finished in marble. Exterior of the building will be faced with cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor. Materials are being purchased.

APARTMENT HOUSE—3 story and base, frame, \$10,000. San Francisco. Architect, Italo Zanolini, 606 Montgomery street, S. F. Owner, M. S. Bacigalupi, 1953 Stockton street. The building will be erected on the west side of Stockton street north of Chestnut and will have a frontage of 37 feet by a depth of 66½ feet. There will be five suites of four and five

rooms. Interior will be finished in pine throughout. Plans provide for a hot water system. There will be wall beds and private bath rooms. Tile wainscot and composition floors will be used in the bath rooms. Entrance will be finished in tile and marble. Exterior of the building will be covered with rustic and cement plaster on metal lath. Plans are complete and figures are being taken.

FERRY APPROACH AND GREEN PILES. Cost not stated. San Francisco. Engineer, Assistant State Engineer Newman, Ferry Bldg., S. F. Owners, State of California. The State Board of Harbor Commissioners are now taking bids for furnishing a quantity of green piles for harbor work. The Secretary states that plans for the Market street approach have been approved by the Commission and have been sent to Sacramento for the approval of the State Advisory Board of Engineers. Bids will probably be called for on this work at the next meeting of the Board which will be Thursday next.

CHURCH—2 story, frame, \$8,000. San Francisco. Architect, James W. Plachek, Acheson Bldg., Berkeley. Owners, Sunset Congregational Church, San Francisco. The building will be erected at the corner of 10th avenue and Judah street and has been designed in the Mission style. There will be a large main auditorium and Sunday school rooms. Interior finish will be of pine and redwood. Hot air heat will be installed. Some ornamental plaster will be installed. Art glass windows are specified. Exterior of the building will be covered with cement plaster on metal lath. Plans are complete and figures are being taken.

WAREHOUSE—3 story and base. Class C construction, \$75,000. San Francisco. Architect, Leo J. Devlin, Pacific Bldg., S. F. Owner, John Rapp, leased to Dunham, Carrigan & Hayden. The building will be erected at the corner of Kansas and Division streets and will cover a large ground area. The main portion of the building will be used for storage space and shipping rooms. A portion of the front will be arranged for general offices and display rooms. Interior will be finished in pine throughout. There will be a freight elevator and steam heat. Metal window sash and frames and fireproof doors are specified. Exterior of the building will be faced with stock brick. Plans are complete and figures are being taken.

FLATS—2 story and base, frame, \$5,000. San Francisco. Architect, Theso. W. Lenzen, Humboldt Bank Bldg., S. F. Owner, James Flanagan, 139 Central avenue, S. F. The building will be erected on the west side of 11th avenue north of Fulton, and has been designed to contain two modern flats of five and six rooms. Interiors will be finished in pine and redwood with some elm panels. Hardwood floors will be used in the living and dining rooms. There will be open fire places and tile

or brick mantels. Bath rooms will have tile wainscot. Automatic water heaters will be installed. Exterior will be covered with cement plaster on metal lath. Plans are now being prepared.

GARAGE—3 story and base. Class C construction, \$14,000. San Francisco. Architect, Charles E. Gottchalk, Phelan Bldg., S. F. Owners, Terminal Hotel Co. The building will be erected on the south side of Sacramento street east of Drumm, covering an area of 108½ by 91½ feet. The main floor, which will be used for storage purposes, will have a capacity of 125 machines. Upper floors will be arranged for lofts and a machine shop. Interior will be finished in pine throughout. Metal window sash and frames and special gasoline storage tanks will be installed. Exterior of the building will be faced with pressed brick. Plans are complete and figures are being taken.

PATHOLOGICAL AND GARAGE BUILDING—2 story and base. Class A construction, \$88,000. San Francisco. Architects, August Headman, New Call Bldg., and P. Righetti, Phelan Bldg. Owners, City and County of San Francisco. Revised plans for this building have been completed and approved. Changes made in the original plans are as follows: Reduction in height of basement, change in direction of tunnel, reduction in steel and terra cotta, omission of all finish in second floor. Bids will be called for by the Board tract, plumbing, heating and ventilating, electric work, painting and finish hardware. Plans can be secured from the Board of Public Works, Temporary City Hall.

SCHOOL FINISH—Class A construction, \$86,906. San Francisco. Architects, City Department of Architecture, Temporary City Hall, S. F. Owners, City and County of San Francisco. Bids opened by the Board of Public Works for the finish construction in the Academic Building, Polytechnic High School group, show P. F. Reilly low at \$86,906, and he will probably be awarded the contract. A complete list of the bids received will be found under the heading of San Francisco in this issue.

CITY HALL ELEVATOR WORK—\$50,000. San Francisco. Architects, Bakewell & Brown, 251 Kearny street, S. F. Owners, City and County of San Francisco. Bids opened by the Board of Public Works for this work show but two bidders, the Pacific Gurney Co. and the Otis Elevator Co. Bids have been taken under advisement. A complete list of the bids submitted will be found under the heading of San Francisco in this issue.

HOTEL—6 story and base. Class C construction, \$45,000. San Francisco. Architect, Edward T. Foulkes, Crocker Bldg., S. F. Owners, Columbia Realty Co. The building will be erected on the West side of Taylor street north of Sutter and has been designed to contain in the neighborhood of 100 rooms, nearly all of which will have

W. R. BRODE, Pres.
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private baths. The first floor will contain the office, lobby and ladies' parlor. Interior will be finished in pine and elm panels. There will be steam heat, elevator service, a hot water system and vacuum cleaning. Bath rooms will have tile floors and wainscot. Tile floor will be used in the lobby and office. Exterior of the building will be faced with pressed brick, trimmed with terra cotta. Plans have been revised for the second time and figures will be called for shortly.

THEATRE ALTERATION—Concrete and steel. Cost not stated. San Francisco. Architect, J. R. Miller, Lick Bldg., S. F. Owners, Realty and Rebuilding Co. The old Chutes Theatre will be moved to the rear of the present stores on Fillmore street between Turk and Eddy streets and a new entrance and other alterations made to conform with the law. Plans are complete and work will be started shortly.

Contracts Awarded.

WHARF REPAIRS — \$11,877. San Francisco. Engineer, Assistant State Engineer Newman, Ferry Bldg., S. F. Owners, State of California. Contractors, San Francisco Bridge Co., Monadnock Bldg., S. F. Contract price, \$11,877. This contract covers repairs to Pier No. 21.

APARTMET HOUSE—6 story and base, steel and concrete, \$80,000. San Francisco. Architect, W. F. Mellin, 244 Kearny street, S. F. Owner, W. A. Rudgear. Contractor, James L. McLaughlin, 244 Kearny street, S. F. Contract price, \$80,000. Note: Sub-figures are now being taken on all parts of the work.

City Bids Opened

Bids for Finishing Construction at the Academic Building and Work in City Hall and Civic Center Opened.

Bids were opened by the Board of Public Works at the regular Wednesday afternoon meeting of the Board of Public Works for the finishing construction of the Academic Building at the Polytechnic High School group; for the elevator lifts in the City Hall and for plumbing in the Civic Center. Following is a complete list of the bids opened:

Finishing Construction, Academic Bldg.	
P. F. Reilly.....	\$86,906
W. D. Henderson.....	88,452
Brockage, Foley & Green...	94,731
H. C. Matthies.....	94,778
C. F. Libby.....	88,787
William Bateman.....	99,995
O. Monson.....	98,937
Newsom, Wold & Kohn....	88,455
Carnahan & Mulford.....	99,689
McSheehy Bros.....	90,640
Lindgren Co.....	89,400
Elevator Lifts, New City Hall.	
Pacific Gurney Elevator Co. (a)	\$50,-
950; (b) \$—; (c) \$49,995; (d) \$41,500;	
(e) \$—; (f) \$39,800.	
Otis Elevator Co. (a)	\$44,475; (b)

\$61,000; (c) \$63,025; (d) \$34,075; (e) \$46,490; (f) \$47,979.

Plumbing, Civic Center.

Wittman, Lyman Co. (a) \$5,899; (b) \$5,935; (c) \$5,919; (e) \$1,599.

J. E. O'Mara (a) \$6,120; (b) \$6,190; (c) \$6,170; (e) \$1,575.

Scott Co. (a) \$5,990; (b) \$6,065; (c) \$6,025; (e) \$1,500.

- Kiernan & O'Brien (a) \$5,934; (b) \$5,994; (c) \$5,944; (e) \$1,425.

F. W. Snook & Co. (a) \$6,224; (b) \$6,369; (c) \$6,385; (e) \$1,730.

No figures submitted by bidders for Proposition No. 4.

Building Contracts Awarded.

San Francisco

No.	Owner.	Contractor	Amt.
405	McLaughlin ..	Horstmeyer	1940
406	Reardon	Gilmour	3900
407	Dunphy	Dunphy	1000
408	Tiscornia	Tiscornia	1500
409	United R R	Owner	1000
410	Heyman	Heyman	2500
411	Coustette	Sasso	1170
412	Bershon	Grant	1600
413	Kessler	Murphy	3150
414	P P I E.....	Strehlow	4750
415	P P I E.....	Chadbourne	7300
416	McPartlan	Walker	7100
417	Ackerman	Strehlow	10250
418	Rex	Julie	1271
419	Lennon's	Am Fixture	1000
420	Bullard	Bullard	500
421	Harris	Sasso	500
422	Foglietti	Francesconi	600
423	Filippis	Filippis	400
424	Uri	Collins	400
425	Transfer	Transfer	400
426	Kling	Kling	400
427	Banghof	Cutts	400
428	Cohen	Cohen	450
429	Cluff	Cameron	400
430	Baaser	Baaser	1000
431	Pritchard	Pritchard	400
432	Gardner	Schmidt	800
433	McKenzie	Raithel	400
434	Turner	Glaze	450
435	Boomer	O'Leary	750
436	Johnson	Johnson	2750
437	Johnson	Johnson	2750
438	Grand Central Inv.	Owner	1000
439	Curtis	S F Bldg	1050
440	Same	Same	1050
441	Same	Same	1050
442	Same	Same	1050
443	Mirsky	Haugerud	700
444	Samuels	Snook	1253
445	Rothberg	Decker	2117
446	Same	Scott	1840
447	Same	Reed	6100
448	Same	Floodberg	3050
449	Same	Zelinsky	2250
450	Same	Lacey	3765
451	Same	Marcussen	20292
452	Rudgear	McLaughlin	82000
453	Cafe Rex	Seibert	5060
454	Wertheimber	Secor	1330
455	Musto	Kiernan	2284
456	Same	Trevia	25200
457	Same	Gilmour	8450
458	Same	Zelinsky	1745
459	Westminster Scy...	Duffie	2000
460	Sica	Sica	1500
461	Weismann	Mager	6750
462	St. Paul's	Wilhelm	2000
463	O'Brien	Grahn	2000
464	Hoeckle	Leigh	2600
465	Irvine	Irvine	7500
466	North Star	Trost	2000
467	Hart	Pasqualetti	1200
468	Donahue	De Martini	4800
469	Gioml	De Martini	3000
470	Crittenden	Crittenden	1500
471	Emery	Anderson	1350
472	Milton	Leigh	1850
473	Ahabot Achim	Mudrick	2000
474	Baltstiasl	Cavalieri	1900
475	Lawson	Barnes	1000
476	Kastecker	Aler	1000
477	Gerard	Gerard	14000
478	Netherlands	Peters	3600
479	Gantner	Brochhage	16203
480	W'n Sugar	Snell	5642

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481	Curtis	S F Bldg	4000
482	Duff	Nielsen	1495
487	Bollman	Lange	3762
488	Phelan	Reed	10228
489	Louisiana	W'n Bldg	4800
490	Package Fruit	Schmidt	590
491	Cirelli	Coburn	7250

MOVING BUILDING

(405) SE EIGHTEENTH & CLOVER to SE 18th and Douglass 25x75. All work except moving, painting, gas fixtures and shades for moving bldg. Owner.....J. H. McLaughlin, Prem. Architect.....None.

Contractor..Wm. Horstmeyer Co., 43 Eureka, San Francisco.

Filed Feb. 8, '15. Dated Jan. 30, '15. Building underpinned\$500 Brown coated 500 White coated 200 Completed and accepted..... 240 Usual 35 days..... 500

TOTAL COST, \$1940

Bond, \$1000. Surety, Massachusetts Bonding & Insurance Co. Limit, 60 days. Forfeit, \$6. Plans and specifications filed.

FRAME FLATS

(406) W LANGTON 225 S Howard. All work except brick veneering on front of building for two-story and basement frame flats (five-room and bath).

Owner.....T. H. & Agnes M. Reardon, 649 Fell, San Francisco.

Designer...J. E. McCarthy.

Contractor..George D. Gilmour, 2376 Howard, San Francisco.

Filed Feb. 8, '15. Dated Feb. 5, '15.

Frame up\$975 Brown coated 975 Completed and accepted..... 975 Usual 35 days..... 975

TOTAL COST, \$3900

Bond, \$2000. Sureties, Richard J. Dunnigan and Mrs. Margaret Gilmour. Limit, 90 days from Feb. 7. Forfeit, none. Plans and specifications filed.

FRAME DWELLING

(407) E MORSE 237-4 N Lowell. One and one-half-story and basement frame dwelling.

Owner.....W. H. Dunphy, 663 Morse, San Francisco.

Architect...None.

Day's work.....COST, \$1000

FRAME DWELLING

(408) E OTSEGO 267 N Ocean Ave. One-story and basement frame dwlg.

Owner.....Dominic Tiscornia, 233 Delano, San Francisco.

Architect...None.

Day's work.....COST, \$1500

FRAME SHED

(409) BAY, FRANCISCO, POLK AND Van Ness Ave. One-story frame passenger shed.

Owner.....United Rail Roads, Holbrook Bldg., S. F.

Architect...None.

Day's work.....COST, \$1000

FRAME DWELLING

(410) W ELEVENTH AVE 25 N Moraga. One and one-half-story and basement frame dwelling.

Owner.....Oscar Heyman & Bro., 742 Market, San Francisco.

Architect...None.

Day's work.....COST, \$2500

FRAME BUILDING

(411) W SCOTT 100 N Lombard W 126xN50. All work for one-story frame building.

Owner.....Mr. & Mrs. H. P. Coustette 3227 Scott, San Francisco.

Architect...None.

Contractor...G. Sasso, 18 Osgood Place, San Francisco.

Filed Feb. 9, '15. Dated Jan. 25, '15.

Every Saturday\$160

On completionBalance

TOTAL COST, \$1170

Bond, none. Limit, Feb. 17. Forfeit, \$10. Specifications only filed.

FRAME STORE BUILDING

(412) SW WEBSTER AND CHESTNUT frontage of 137-6 on Webster and 122-6 on Chestnut. All work for one-story frame store building.

Owner.....N. and D. Bershon, 1919 Ellis, San Francisco.

Architect...None.

Contractor...W. E. Grant, 1032 Irving, San Francisco.

Filed Feb. 9, '15. Dated Feb. 9, '15.

Progressive payments as work progresses

Usual 35 days.....25%

TOTAL COST, \$1600

Bond, none. Limit, 30 days. Forfeit, none. Plans and specifications filed.

FRAME STORES

(413) SW CHESTNUT & VAN NESS Ave. All work for one-story frame building (15 stores).

Owner.....B. Frankel and Jacob Kessler, 1606 Scott, S. F.

Architect...None.

Contractor...J. H. Murphy, 2409 Fillmore, San Francisco.

Filed Feb. 9, '15. Dated Feb. 5, '15.

On February 6, 1915.....\$ 300

On February 13, 1915.....600

Ready for occupancy.....1100

Not later than 90 days from

completion1150

TOTAL COST, \$3150

Bond, \$2362.50. Surety, Pacific Coast Casualty Co. Limit, Feb. 18, 1915.

Forfeit, \$5. Plans and specifications filed.

COMFORT STATION

(414) N FRANCISCO 60 E Octavia E 60xN 100. All work for constructing public comfort station No. 2.

Owner.....Panama-Pacific International Exposition Co., Service Bldg., S. F.

Architect...None.

Contractor...Strehlow, Freese & Petersen, Exposition Site.

Filed Feb. 9, '15. Dated Jan. 22, '15.

Usual 35 days.....25%

As work progresses.....75%

TOTAL COST, \$4750

Bond, \$3000. Surety, Pacific Coast Casualty Co. Limit, 35 days. Forfeit, \$25. Plans and specifications filed.

CONCRETE SURFACE

(415) EXPOSITION SITE. Asphaltic concrete wearing surface on Exposition roadways.

Owner.....Panama-Pacific International Exposition Co., Service Bldg., S. F.

Architect...None.

Contractor...E. M. Chadbourne, 133 1st, San Francisco.

Filed Feb. 9, '15. Dated Feb. 8, '15.

As work progresses.....75%

Usual 35 days.....25%

TOTAL COST, \$7300

Bond, \$4000. Surety, United States Fidelity & Guaranty Co. Limit, 45 days. Forfeit, \$20. Plans and specifications filed.

FRAME RESIDENCE

(416) E LARKIN 117-6 S Pacific S 20x E 68-9. All work except gas and electric light fixtures, window shades wall beds and gas radiators for three story frame double residence.

Owner.....Margaret McPartland, 1404 Leavenworth, S. F.

Architect...W. A. Banks, 2325 Larkin, San Francisco.

Contractor...G. H. & S. Walker, 110 Jessie, San Francisco.

Filed Feb. 9, '15. Dated Feb. 1, '15.

Frame up\$1325

Roof on1325

White coated1325

Accepted1325

Usual 35 days.....1800

TOTAL COST, \$7100

Bond, limit, forfeit, none. Plans and specifications filed.

COMPLETION OF CONCESSION

(417) EXPOSITION SITE. Completion of Wild Animal Arena.

Owner.....Irving Ackerman.

Architect...G. Albert Lansburgh, M. A. Gunst Bldg., S. F.

Contractor...Strehlow, Freese & Petersen, Exposition Site.

Filed Feb. 9, '15. Dated Feb. 6, '15.

On day show opens.....\$2500

Completed and accepted.....5000

Usual 35 days.....2750

TOTAL COST, \$10,250

Bond, \$5500. Surety, Pacific Coast Casualty Co. Limit, Feb. 20, 1915.

Forfeit, none. Plans and specifications filed.

ELECTRIC WIRING

(418) NW STOCKTON & O'FARRELL. Electric wiring for Rex Cafe.

Owner.....The Rex Cafe.

Architect...G. Albert Lansburgh, M. A. Gunst Bldg., S. F.

Contractor...Butte Eng. & Elec. Co., 683 Howard, S. F.

Filed Feb. 9, '15. Dated Feb. 6, '15.

Completed and accepted.....75%

Usual 35 days.....25%

TOTAL COST, \$1277

Bond, \$650. Surety, National Surety Co. Limit, March 9, 1915. Forfeit, \$20

Plans and specifications filed.

ALTERATIONS

(419) NO. 782 MARKET. Alter store.

Owner.....Lennon's Glove House, 782 Market, San Francisco.

Architect...None.

Contractor...American Fixture Co., 20th and York, San Francisco.

COST, \$1000

FRAME STABLE

(420) NO. 1745 CHESTNUT. One-story frame stable.

Owner.....Mrs. Ralph Bullard, Prem.

Architect...None.

Day's work.....COST, \$500

ALTERATIONS

(421) NO. 3241 SOCTT. Alterations.

Owner.....Joseph M. Harris, Adeline Hotel, S. F.

Architect...None.

Contractor...A. Sasso, 2801 Greenwich, S. F.

COST, \$500

ALTERATIONS AND REPAIRS

(422) NO. 3324 STEINER. Alter and repair.

Owner.....Fortunate Foglietti, Prem.

Architect...None.

Contractor...D. Francesconi, 151 Pixley Alley, San Francisco.

COST, \$600

RAISE AND ADD TO BUILDING

(423) NOS. 1251-53 KEARNY. Raise and add to building.

Owner.....V. Filippis, 866 Union, San Francisco.

Architect...None.

Day's work.....COST, \$400

ALTERATIONS

(424) NOS. 555-557 HAYES. Alter for fruit store.

Owner.....Mrs. Uri, 1849 O'Farrell, San Francisco.

Architect...None.

Contractor...J. Collins, 581 Waller, S. F.

COST, \$400

ALTERATIONS

(425) W EIGHTH 250 N Harrison. Erect platform and enclose same.

Owner.....Union Transfer Co., Ferry Bldg., San Francisco.

Architect...None.

Day's work.....COST, \$400

ADDITION

(426) NO. 3020 FILLMORE. Add to building.

Owner.....J. Kling, Premises.

Architect...None.

Contractor...Geo. L. Streshly, 2400 Van Ness Ave., San Francisco.

COST, \$400

FRAME GARAGE

(427) SE WYOMING & LAWRENCE Ave. One-story frame garage.

Owner.....F. A. Banzhof, 260 Lawrence, San Francisco.

Architect...None.

Contractor...L. C. Cutts, 20 De Wolf, San Francisco.

COST, \$400

ALTERATIONS

(428) NO. 1955 CHESTNUT. Alter stores.
Owner.....Dave Cohen, Premises.
Architect...None.
Day's work. COST, \$450

ALTERATIONS

(429) NO. 1249 NINTH AVE. Alter residence.
Owner.....Wm. Cluff Co., Spear and Mission, San Francisco.
Architect...None.
Contractor...Cameron & Disston, 831 Hearst Bldg., S. F.
COST, \$400

FRAME FLATS

(430) S UNDERWOOD 175 E Lane. One-story and basement frame (2) flats.
Owner.....August Baaser, 1721 Newcomb, San Francisco.
Architect...None.
Day's work. COST, \$1000

ALTERATIONS

(431) NO. 363 FELL. Minor alterations for shop.
Owner.....F. L. and Rose L. Pritchard, 50 Irving, S. F.
Architect...J. H. Humphrey, — Oak, San Francisco.
Day's work. COST, \$400

ALTERATIONS

(432) NO. 2544 MISSION. Alter front.
Owner.....Anna Gardner (Lessee).
Architect...None.
Contractor...L. Schmidt, 448 Jessie, S. F.
COST, \$800

ADDITION

(433) NO. 432 FIFTEENTH AVE. Add one-story frame.
Owner.....Geo. A. McKenzie, Prem.
Architect...None.
Contractor...J. Raltheil, 432 15th Ave., San Francisco.
COST, \$400

ALTERATIONS

(434) NO. 1144 KENTUCKY. Alter store and flat.
Owner.....A. M. Turner.
Architect...None.
Contractor...G. W. Glaze, Daly City.
COST, \$450

FRAME STABLE

(435) NE CABRILLO & 17TH AVE. One-story frame stable.
Owner.....M. Boomer, Premises.
Architect...None.
Contractor...Thos. O'Leary, Premises.
COST, \$750

FRAME DWELLING

(436) E TWENTY-SECOND AVE 225 S California. Two-story and basement frame dwelling.
Owner.....Johnson & Johnson, 818 19th, San Francisco.
Architect...None.
Day's work. COST, \$2750

FRAME DWELLING

(437) E TWENTY-SECOND AVE 200 S California. Two-story and basement frame dwelling.
Owner.....Johnson & Johnson, 818 19th, San Francisco.
Architect...None.
Day's work. COST, \$2750

ALTERATIONS

(438) NO. 1 FELL. Alter store.

Owner.....Grand Central Investment Co., 1120 Market, S. F.
Architect...None.
Day's work. COST, \$1000

FRAME DWELLING

(439) E PARKER 93 N Geary. One-story and basement frame dwelling.
Owner.....T. R. Curtis, 778 2nd Ave., San Francisco.
Architect...None.
Contractor...San Francisco Bldg. Co., 45 Kearny, S. F.
COST, \$1050

FRAME DWELLING

(440) E PARKER 62 N Geary. One-story and basement frame dwelling.
Owner.....T. R. Curtis, 778 2nd Ave., San Francisco.
Architect...None.
Contractor...San Francisco Bldg. Co., 45 Kearny, S. F.
COST, \$1050

FRAME DWELLING

(441) E PARKER 31 N Geary. One-story and basement frame dwelling.
Owner.....T. R. Curtis, 778 2nd Ave., San Francisco.
Architect...None.
Contractor...San Francisco Bldg. Co., 45 Kearny, S. F.
COST, \$1050

FRAME DWELLING

(442) SE GEARY AND PARKER. One-story and basement frame dwelling.
Owner.....T. R. Curtis, 778 2nd Ave., San Francisco.
Architect...None.
Contractor...San Francisco Bldg. Co., 45 Kearny, S. F.
COST, \$1050

ALTERATIONS

(443) NO. 118 EDDY. Minor alterations.
Owner.....B. Mirsky, 290 O'Farrell, San Francisco.
Architect...None.
Contractor...A. Haugerud, 2218 Folsom, S. F.
COST, \$700

PLUMBING, ETC.

(444) NW STOCKTON & O'FARRELL W 137-6xN 137-6. Plumbing, piping, fixtures, drains, etc., for one-story and basement of Samuels Lace House Building.
Owner.....D. Samuels Co.
Architect...Henry H. Meyers, Kohl Bldg., San Francisco.
Contractor...Frederick W. Snook, 596 Clay, San Francisco.
Filed Feb. 10, '15. Dated Feb. 9, '15.
Completed and accepted.....\$939
36 days after.....314
TOTAL COST, \$1253
Bond, none. Limit, 13 days. Forfeit, \$20. Plans and specifications filed.

CLASS "C" APARTMENTS

(445) N POST 137-6 E Larkin E 63-7x N 137-6. Electric work for three-story and basement Class "C" apartment building.
Owner.....A. Rothberg, 130 Geary, San Francisco.
Architect...Fredk. H. Meyer, Bankers' Invest. Bldg., S. F.
Contractor...Decker Elec. Co., 111 New Montgomery, S. F.
Filed Feb. 10, '15. Dated Feb. 5, '15.
On 1st of each month.....75%
Usual 35 days.....25%
TOTAL COST, \$2117
Bond, \$1058.50. Surety, Pacific Coast

Casualty Co. Limit, 100 days. Forfeit, none. Plans and specifications filed.

(446) HEATING WORK ON ABOVE.
Contractor...Scott Co., 243 Minna, S. F.
Filed Feb. 10, '15. Dated Feb. 5, '15.
Payments same as above.....

TOTAL COST, \$1840
Bond, \$920. Sureties, H. S. Tittle and H. M. Van Pelt. Limit, 100 days. Forfeit, none. Plans and specifications filed.

(447) BRICK AND TERRA COTTA on above.
Contractor...Reed & White, 180 Jessie, San Francisco.

Filed Feb. 10, '15. Dated Feb. 5, '15.
Payments same as above.....
TOTAL COST, \$6100
Bond, \$3050. Surety, Hartford Accident & Indemnity Co. Limit, 100 days. Forfeit, none. Plans and specifications filed.

(448) LATH AND PLASTER ON above.

Contractor...Floodberg & McCaffery, Monadnock Bldg., S. F.
Filed Feb. 10, '15. Dated Feb. 5, '15.
Payments same as above.....

TOTAL COST, \$3050
Bond, \$1525. Surety, New England Casualty Co. Limit, 50 days. Forfeit, none. Plans and specifications filed.

(449) PAINTING ON ABOVE.

Contractor...D. Zelinsky, 564 Eddy, San Francisco.
Filed Feb. 10, '15. Dated Feb. 5, '15.
TOTAL COST, \$2250
Payments same as above.....

Bond, \$1125. Sureties, Paul Gottlieb and B. C. Allyn. Limit, 100 days. Forfeit, none. Plans and specifications filed.

(450) PLUMBING ON ABOVE.

Contractor...E. V. Lacey, 249 9th, S. F.
Filed Feb. 10, '15. Dated Feb. 5, '15.
Payments same as above.....

TOTAL COST, \$3765
Bond, \$1882.50. Surety, Fidelity & Deposit Co. of Maryland. Limit, 100 days. Forfeit, none. Plans and specifications filed.

(451) STRUCTURAL STEEL & IRON work, glass, glazing, marble, ornamental iron, sheet metal, roof covering, carpenter, etc., on above.

Contractor...Marcus Marcussen, 19 Devisadero, San Francisco.
Filed Feb. 10, '15. Dated Feb. 5, '15.
Payments same as above.....

TOTAL COST, \$20,292
Bond, \$10,146. Surety, The Aetna Accident & Liability Co. Limit, 100 days. Forfeit, none. Plans and specifications filed.

CLASS "C" APARTMENTS

(452) NW BUSH AND STOCKTON. All work for six-story and basement Class "C" reinforced concrete and steel frame apartment house.

Owner.....Wm. A. Rudgear, Bay and Stockton, S. F.
Architect...None.
Contractor...Jas. L. McLaughlin, 244 Kearny, San Francisco.

Filed Feb. 10, '15. Dated Feb. 10, '15.
5th and 20th of each month.....10%
Usual 35 days.....10%

TOTAL COST, \$82,000
Bond, \$41,000. Surety, The Aetna Ac-

cident & Liability Co. Limit, 120 days. Forfeit, \$25. Bonus, \$25. Plans and specifications filed.

HEATING AND VENTILATING

(453) NW STOCKTON & O'FARRELL. Heating and ventilating for Cafe Rex. Owner.....Cafe Rex.

Architect...G. Albert Lansburgh, M. A. Gunst Bldg., S. F.
Contractor...J. J. Seibert and C. R. Danziger, Phelan Bldg., San Francisco.

Filed Feb. 10, '15. Dated Feb. 8, '15.
Progressive payments of..... 75%
Usual 35 days..... 25%
TOTAL COST, \$5060
Bond, \$2525. Surety, Pacific Coast Casualty Co. Limit, March 19, 1915. Forfeit, \$50. Plans and specifications filed.

FRAME STORES

(454) W VAN NESS AVE 56 N Chestnut S 54 W 120 N 54 E 120. All work for one-story frame stores.

Owner.....Wertheimer & Moor, Shreve Bldg., S. F.
Architect...None.
Contractor...L. A. Secor, 80 Caselli Ave., San Francisco.

Filed Feb. 10, '15. Dated Feb. 9, '15.
Frame up\$332.50
Brown coated 332.50
Accepted 332.50
Usual 35 days..... 312.50
TOTAL COST, \$1330.00
Bond, none. Limit, 18 days from issuing permit. Forfeit, \$10. Plans and specifications filed.

PLUMBING AND GAS FITTING

(455) NW VALLEJO & DEVISADERO 68 on Vallejo and 137-6 on Devisadero. Plumbing and gas fitting for two-story basement and attic frame residence.

Owner.....Marie A. Musto.
Architect...Henry C. Smith, 785 Market, San Francisco.
Contractor...Kiernan & O'Brien, Inc., 1754 Mission, S. F.

Filed Feb. 10, '15. Dated Jan. 27, '15.
Roughing in\$815
Completed and accepted..... 815
Usual 35 days..... 654

TOTAL COST, \$2284
Bond, \$1142. Sureties, P. W. Mehern and Jas. H. Pinkerton. Limit, 100 days. Forfeit, none. Plans and specifications filed.

(456) ALL WORK EXCEPT PLASTERING, painting, marble tiling, plumbing, finish hardware, gas fixtures and window shades on above.

Contractor...Trevia & Pasqualetti, 400 Bay, San Francisco.

Filed Feb. 10, '15. Dated Jan. 27, '15.
1st floor joists on.....\$3780
Roof and sheathing on..... 3780
Ready for interior and exterior plaster 3780
Standing finish in..... 3780
Completed and accepted..... 3780
Usual 35 days..... 6300

TOTAL COST, \$25,200
Bond, \$12,600. Surety, Southwestern Surety Insurance Co. Limit, 100 days. Forfeit, none. Plans and specifications filed.

(457) EXTERIOR AND INTERIOR plaster and staff cast cement work on above.

Contractor...W. G. Gilmour, 110 Jessie, San Francisco.

Filed Feb. 10, '15. Dated Jan. 27, '15.
Progressive payments of..... 75%
Usual 35 days..... 25%
TOTAL COST, \$8450
Bond, \$4225. Surety, Massachusetts Bonding & Insurance Co. Limit, 100 days from Jan. 27. Forfeit, none. Plans and specifications filed.

(458) PAINTING, TINTING AND paper hanging on above.

Contractor...A. A. Zelinsky, 1735 McAllister, San Francisco.

Filed Feb. 10, '15. Dated Jan. 27, '15.
Payments same as above.....
TOTAL COST, \$1745
Bond, \$873. Sureties, R. Zelinsky and Chas. Carroll. Limit, 100 days from Jan. 27. Forfeit, none. Plans and specifications filed.

FRAME DWELLING

(459) E WEBSTER 100 S Page. Two story and basement frame dwelling. Owner.....Westminster Society, SE Page and Webster, S. F.

Architect...A. J. Barnett, 76 College Ave., San Francisco.
Contractor...C. W. Duffie, 870 Page St., San Francisco.

COST, \$2000

FRAME DWELLING

(460) N WALLACE AVE 100 E Railroad Ave. One-story and basement frame dwelling.

Owner.....Jo Sica, 1901 Mason, S. F.
Architect...Wm. C. Helms, 1827½ Felton, Berkeley.

Day's work. COST, \$1500

FRAME APARTMENTS

(461) NW JERSEY AND SANCHEZ. Two-story and basement frame (4) apartments.

Owner.....F. Weismann, NE 25th & Sanchez, San Francisco.
Architect...None.

Contractor...Mager Bros., 354 Fair Oaks, San Francisco.

COST, \$6750

REPAIRS

(462) SE EDDY AND GOUGH. Repair fire damage and slate roof.

Owner.....St. Paul's Congregation, Premises.

Architect...F. D. Boese, 45 Kearny, San Francisco.

Contractor...A. H. Wilhelm, 180 Jessie, San Francisco.

COST, \$2000

FRAME DWELLING

(463) W MARS 225 S 17th. One and one-half-story and basement frame dwelling.

Owner.....Mrs. M. O'Brien, 402 Haight, San Francisco.

Architect...None.
Contractor...Wm. H. Grahn, 2840 Bryant, San Francisco.

COST, \$2000

FRAME DWELLING

(464) W LOWER TERRACE 165 S 17th. Two-story and basement frame dwelling.

Owner.....H. C. Hoeckle, 36 Diamond San Francisco.

Architect...None.
Contractor...Leigh & Schultz, 419 21st Ave., San Francisco.

COST, \$2600

BRICK STORES

(465) NE MARSHALL SQUARE AND Market. One-story brick stores.

Owner.....James K. Irvine.

Architect...William Koenig, 750 Par-nassus Ave., S. F.

Day's work. COST, \$7500

NOTE:—Building started.

REPAIRS

(466) NOS. 3314-24 ARMY. Repair fire damage.

Owner.....North Star Brewery Co., Premises.

Architect...None.
Contractor...Robert Trost, 26th and Howard, San Francisco.

COST, \$2000

FRAME LAUNDRY

(467) NO. 2865 SACRAMENTO. Two-story frame laundry.

Owner.....John P. Hart, 2862 Sacramento, San Francisco.

Architect...None.
Contractor...J. Pasqualetti, 785 Market, San Francisco.

COST, \$1200

FRAME DWELLING

(468) SE LYON AND UNION. Two-story and basement frame dwelling.

Owner.....M. A. Donahue, 896 Chestnut, San Francisco.

Architect...Paul F. Demartini, 2123 Pawell, San Francisco.

Contractor...De Martini & Segale, 274 29th, San Francisco.

COST, \$4500

FRAME STORE

(469) W MISSION 186 S 29th. One-story frame store.

Owner.....Giomi Bros., 3310 Mission, San Francisco.

Architect...None.
Contractor...De Martini & Segale, 274 29th, San Francisco.

COST, \$3000

FRAME STORE

(470) N UNION 25 W Webster. Raise and add one-story for store.

Owner.....W. C. Crittenden, Clunie Bldg., San Francisco.

Architect...Herman E. Swartz, Nevada Bank Bldg., S. F.

Day's work. COST, \$1500

FRAME DWELLING

(471) S FOOTE 75 E Ellington. One-story and basement frame dwelling.

Owner.....Thos. Emery, 2523 Mission San Francisco.

Architect...None.
Contractor...Chas. Anderson, 226 Duncan, San Francisco.

COST, \$1350

FRAME DWELLING

(472) COLLEGE HILL TRACT Lot 23 Blk 1. One-story and basement frame dwelling.

Owner.....M. F. Milton and wife, 111 St. Mary's Ave., S. F.

Architect...None.
Contractor...Leigh & Schultz, 419 21st Ave., San Francisco.

COST, \$1850

FRAME SYNAGOGUE

(473) SE GIRARD AND BURROW. Two-story frame synagogue.

Owner.....Congregation Ahabot Achim, 48 Wheat, S. F.

Designer...R. M. Carlyon.

Contractor...L. Mudrick, 520 Charter Oak Ave., S. F.
COST, \$2000

FRAME DWELLING

(474) W POTRERO 119-6 S 19th.
One-story and basement frame dwlg.
Owner.....G. Balestias, 21st near Potrero Ave., S. F.
Architect...O. E. Evans, 2367 Mission, San Francisco.
Contractor...G. Cavalieri, 593 Potrero Ave., San Francisco.
COST, \$1900

REPAIRS

(475) N MISSION 100 W 21st. Repair fire damage.
Owner.....E. R. Lawson, 1510 5th Ave., Oakland.
Architect...None.
Contractor...F. H. Barnes, 1381 Stevenson, San Francisco.
COST, \$1000

FRAME CHURCH

(476) W RHODE ISLAND, bet. 22nd & 23rd. One-story and basement frame church.
Owner.....Kastecker & Aler, 1920 23rd, San Francisco.
Architect...M. J. Welsh, 22nd and Howard, San Francisco.
Day's work. COST, \$1000

FRAME APARTMENTS.

(477) E JONES 37-6 S Pine. Three-story and basement frame (6) apartments.
Owner.....Gerard Investment Co., 437 Monadnock Bldg., S. F.
Architect...Rousseau & Rousseau, 437 Monadnock Bldg., S. F.
Day's work. COST, \$14,000
NOTE:—2nd story joists are up.

EXHIBIT BOOTHS

(478) EXPOSITION SITE. All work for booths for exhibit in Varied Industries, Liberal Arts, Food Products and Transportation Buildings.
Owner.....Central Commission of The Netherlands P. P. I. E. by H. A. van Coenen Torchiana, Resident Commissioner.
Architect...None.
Contractor...Fred Peters.

Filed Feb. 11, '15. Dated Feb. 9, '15.
After 3 days actual work done on booths\$1000
On completion balance to make 75% of contract price.....
Usual 35 days..... 25%
TOTAL COST, \$3600
Bond, none. Limit, 10 days after Feb. 11. Forfeit, \$100. Plans and specifications filed.

DWELLING

(479) NW VALLEJO AND BAKER W 55xN 90. All work except painting, vacuum cleaner, plumbing, window shades, leaded glass, gasoline pump and tank, finish hardware, lighting fixtures, mantel and wall bed for two-story and basement residence.
Owner.....Jno. O. Gantner, 80 Geary, San Francisco.
Architect...Louis M. Upton, 111 Ellis, San Francisco.
Contractor...Brockhage, Foley & Green 1326 Natoma, S. F.
Filed Feb. 11, '15. Dated Feb. 6, '15.
Roof rafters in place.....\$4025
Plaster finished 4025

Completed and accepted..... 4025
Usual 35 days..... 4025
TOTAL COST, \$16,203
Bond, \$8102. Sureties, D. O. Druffel and F. H. Beaver. Limit, 140 days. Forfeit, none. Plans and specifications filed.

PLASTER FOR WALLS, ETC.

(480) SE HUMBOLDT & LOUISIANA.
Furnish and place all materials and labor for continuous reinforcing material and cement plaster for walls, partitions, and roofs of shops bldg.
Owner.....Western Sugar Refining co., composed of John D. and A. B. Spreckels, 60 California, San Francisco.
Architect...None.
Contractor...R. L. Snell, 1290 4th Ave., San Francisco.

Filed Feb. 11, '15. Dated Feb. 3, '15.
Reinforcements on site.....\$1100
Reinforcement placed 1100
50% of plastering completed... 1000
Plastering completed 1000
Usual 35 days.....Balance
TOTAL COST, Not to exceed \$5642
Bond, \$2850. Surety, Fidelity & Deposit Co. of Maryland. Limit, 90 days. Forfeit, none. Plans and specifications filed.

COTTAGES

(481) SE GEARY AND PARKER AVE
All work for four four-room cottages
Owner.....Thos. R. Curtis, 778 2nd Ave., San Francisco.
Architect...None.
Contractor...San Francisco Bldg. Co., 45 Kearny, San Francisco.
Filed Feb. 11, '15. Dated Feb. 10, '15.
Frame up\$1000
Enclosed and brown coated.... 1000
Completed and accepted..... 1000
Usual 35 days..... 1000
TOTAL COST, \$4000

Bond, \$2000. Surety, Pacific Coast Casualty Co. Limit, 90 days. Forfeit, none. Plans and specifications filed.
NOTE:—Building to be located as above, E Parker 31 N Geary; E Parker 63 N Geary and E Parker 93 N Geary.

FRAME COTTAGE

(482) SW GOETTINGEN 50 NW Silliman NW 50xSW 95 Ptn Lots 5, 6, 7, 8 Blk 26 Superior Hd. Ass'n. All work for one-story frame cottage.
Owner.....Clarence and Eveleen C. Duff.
Architect...None.
Contractor...Jacob F. Nielsen, 2350 Bryant, San Francisco.
Filed Feb. 11, '15. Dated Feb. 10, '15.
Roof on\$373.75
Rough plastering done..... 373.75
Completed and accepted..... 373.75
Usual 35 days..... 373.75
TOTAL COST, \$1495.00
Bond, \$750. Surety, American Surety Co. Limit, 90 days. Forfeit, \$5. Plans and specifications filed.

EXHIBIT BOOTH

(487) EXPOSITION SITE. Erection of booth in Palace of Food Products.
Owner.....The John Bollman Co., 331 Battery San Francisco.
Architect...Lloyd A. Rally, 604 Mission, San Francisco.
Contractor...Lange & Bergstrom, Sharon Bldg., San Francisco.
Filed Feb. 13, '15. Dated Feb. 11, '15.
As work progresses by-weekly payments of 75%
Usual 35 days..... 25%

TOTAL COST, \$4402
Bond, \$1881. Surety, Aetna Accident & Liability Co. Limit, 24 working days. Forfeit, \$10. Plans and specifications filed.

BRICK WORK FOR RESIDENCE

(488) N WASHINGTON 137-6 W Octavia W 137-6xN 255-4½. Brick work etc., for three-story Class "C" residence.
Owner.....Mary Louise Phelan, 1840 California, San Francisco.
Architect...Charles Peter Weeks, Mutual Bank Bldg., S. F.
Contractor...Reed & White, 180 Jessie, San Francisco.
Filed Feb. 13, '15. Dated Feb. 13, '15.
On 1st of each month..... 75%
Usual 35 days..... 25%
TOTAL COST, \$10,228.75

Bond, \$5114.37. Surety, Hartford Accident & Indemnity Co. Limit, 21 days. Forfeit, none. Plans and specifications filed.

EXHIBIT BOOTH

(489) EXPOSITION SITE. All work for exhibit booth in Agricultural building.
Owner.....Panama-Pacific Exposition Commission of Louisiana through Louis N. Brueggerhoff.
Architect...None.

Contractor...Western Bldg. & Eng. Co., Inc., Phelan Bldg., S. F.
Filed Feb. 13, '15. Dated Feb. 11, '15.
On completion of flooring.....\$1500
7 days after completion.....Balance
TOTAL COST, \$4900
Bond, none. Limit, 10 days. Forfeit, none. Plans and specifications filed.

EXHIBIT BOOTH

(490) EXPOSITION SITE. All work for exhibit booth in Palace of Horticulture.
Owner.....Package Fruit Exchange & Winters Dried Fruit Co.
Architect...Wm. C. Mayer, 1st National Bank Bldg., S. F.
Contractor...Peter N. Schmidt, 1372 Versailles Ave., Alameda.
Filed Feb. 13, '15. Dated Feb. 13, '15.
Completed and accepted..... 75%
Usual 35 days..... 25%
TOTAL COST, \$590
Bond, none. Limit, 7 days. Forfeit, none. Plans and specifications filed.

FRAME FLATS

(491) S PACIFIC 135 E Taylor E 45x S 75. All work for two two-story & basement frame buildings (4 flats)
Owner.....Chas. and Frank Cirelli, 1199 Clay, San Francisco.
Architect...None.
Contractor...Chas. Coburn, 4030 24th, San Francisco.
Filed Feb. 13, '15. Dated Feb. 10, '15.
Frame up\$1812.50
Brown coated 1812.50
Completed and accepted..... 1812.50
Usual 35 days..... 1812.50
TOTAL COST, \$7250.00
none. Plans and specifications filed.
Bond, none. Limit, 75 days. Forfeit,

LEASES

Feb. 9, 1915—NO. 948 LEAVENWORTH SE Cor. Pine. Theodore L. Ruffs to J. T. Picard. 5 years. \$2400.

NOTICE OF NON-RESPONSIBILITY.
Feb. 8, 1915—SW VAN NESS AVE and Chestnut S 56xW 120. Ella M Rohlf as to improvements on

leased property
 Feb. 8, 1915—LOT 21 BLK 28 Crocker Amazon Tract. Crocker Estate Co as to improvements on leased property
 Feb. 8, 1915—LOT 15 BLK 15 Crocker Amazon Tract. Crocker Estate Co as to improvements on leased property
 Feb. 8, 1915—NE LOMBARD & DEVISADERO E 36-6xN 112-6. Frank Pearson as to improvements on leased property
 Feb. 8, 1915—2-14 of N MARKET 600 E Marshall Square E 75 N parallel with Marshall Square 200 to S City Hall Ave W 50 S parallel with Marshall Square 50 W parallel with City Hall Ave 25 S 100; No. 1138 Market. Matilda Andrews as to improvements on leased property
 Feb. 11, 1915—NO. 725 CALIFORNIA. Edward D Swift to Margaret White. 31 months. \$6200.
 Feb. 11, 1915—SW GREEN AND VAN Ness Ave S 23xW 30. John Evans to C. L. Ayers, Jr. 10½ months. \$697.50.

INCORPORATIONS

J. C. Franks Estate. General real estate and farming business. Capital Stock, \$200,000; 200,000 shares at \$1 each; amount subscribed, \$200,000. Place of business, San Francisco. Directors—F. C. Franks, C. A. Franks, C. M. Walker, E. A. Mitchell and R. K. Franks, 40,000 shares each.

Jacket, Crown Point, Belcher Mines Company. General mining and milling business. Capital Stock, \$1,250,000; 1,250,000 shares at \$1 each; amount subscribed, \$5. Place of business, San Francisco. Directors—M. B. Forman, C. L. Moore, J. L. Brainerd, H. W. Glensor and L. M. Bliss, 1 share each.

Mountain Queen Gold Mining Company. General mining and milling business. Capital Stock, \$200,000; 200,000 shares at \$1 each; amount subscribed, \$25. Place of business, San Francisco. Directors—H. Smitsaert, A. D. Downing, C. M. Farshman, C. N. Maltry and L. M. Bliss, 5 shares each.

The Emanuel Institute of Health. To teach religion, right living, etc. Capital Stock, \$75,000; 7500 shares at \$10 each; amount subscribed, \$170. Place of business, San Francisco. 9 Directors.

Federal Drift Mining Company. General mining and milling business. Capital Stock, \$75,000; 75,000 shares at \$1 each; amount subscribed, \$5. Place of business, San Francisco. Directors—J. H. Dawson, J. D. Whalen, H. C. Kirkpatrick and R. V. Montgomery, 1 share each.

Sherman Investment Co. General real estate business. Capital Stock, \$1000; 100 shares at \$10 each; amount subscribed, \$30. Place of business, San Francisco. Directors—L. S. Sherman, F. R. Sherman and P. T. Clay, 1 share each.

Palmbrook Stock Farm. To buy and sell livestock and products thereof. Capital Stock, \$100,000; 10,000 shares at \$10 each; amount subscribed, \$50. Place of business, San Francisco. Directors—F. G. Flaherty, A. D. Downing, R. W. Kearney, E. L. Kelley and C. N. Maltry, 1 share each.

"California Home & Farmer, Inc." To print, publish and distribute newspapers and their supplements. Capital

Stock, \$50,000; 500 shares at \$100 each; amount subscribed, \$500. Place of business, San Francisco. Directors—W. P. Lyon, E. A. Hayes, J. O. Hayes, D. Moore, G. A. Moore, 1 share each.

Russell Borate Mining Company. Cert. Copy. To develop and exploit borax, oil and gold and silver bearing land. Capital Stock, \$500,000; 500,000 shares at \$1 each; amount subscribed, \$5. Place of business changed from San Buenaventura, Cal. to San Francisco, Cal. Directors—W. H. Russell, L. Decius, B. T. Williams, A. L. Chaffee and J. B. McCloskey, 1 share each.

J. H. Baxter & Co. General lumber shipping and commission business. Capital Stock, \$100,000; 1000 shares at \$100 each; amount \$100,000. Place of business, San Francisco. Directors—J. H. Baxter, 998 shares; A. M. Baxter, P. McPhee, 1 share each.

NOTICES OF NON-RESPONSIBILITY.

Feb. 13, 1915—N TWENTY-FIRST 217-6 W Guerrero W 25x114. Wm Hansen as to improvements on leased property.....

Feb. 13, 1915—NW EDDY & MASON W 82-6xN 55. Matilda Andrews as to improvements on leased property.....

Feb. 9, 1915—NW O'FARRELL AND Stockton W 137-6xS 137-6. D Samuels Co as to improvements on leased property.....

Feb. 11, 1915—S MOULTON 108-9 W Fillmore W 28-9xS 60. Jas P Sweeney as to improvements on leased property.....

NOTICE OF NON-LIABILITY.

Feb. 13, 1915—SE LOMBARD AND Fillmore S 120xE 137-6. R D McElroy as to improvements on leased property.....

CO-PARTNERSHIP.

James L. Brainerd, B. H. Brainerd as Brainerd Bros.

John J. Connolly and Emmet P. Connolly as J. J. Connolly & Son.

HARBOR COMMISSION OPEN BIDS.

Bids Received For Repairs to Pier No. 21 Show San Francisco Bridge Co. Low at \$11,887.

Five sets of bids were opened at the Thursday afternoon session of the State Board of Harbor Commissioners for the repairs to Pier No. 21, located on the San Francisco waterfront. The lowest bid was submitted by the San Francisco Bridge Co. at \$11,887. Following is a complete list of the bids:

Repairs to Pier No. 21.
 San Francisco Bridge Co. \$11,887.00
 Tibbitts Pacific Co. 12,957.50
 Healy-Tibbitts Constr. Co. 13,090.25
 Hyde-Harjes Co. 13,343.80
 Thomson Bridge Co. 19,618.43

Bids are now being taken by the Harbor Commission for furnishing a large amount of green piles.

COMPLETION NOTICES.

San Francisco

Feb. 5, 1915—NE NORTON (Morton) 325-350-375 respectively NW Mission 25x100 each. Louis Depaoli to Louis J Roberts.....Feb. 1, 1915
 Feb. 5, 1915—SW CALIFORNIA AND

Mason W 77-6xS 60. S W Morshead to Judson Mfg Co.....Feb. 3, 1915
 Feb. 5, 1915—SE GEARY & TAYLOR S 137-6xE 87-6. Clift Realty Co to G C Collins.....Jan. 26, 1915
 Feb. 5, 1915—W ELEVENTH AVE 275 N Balboa N 25xW 120. John Little to whom it may concern.....Feb. 4, 1915
 Feb. 5, 1915—S SEVENTEENTH 33 E Guerrero E 25xS 90. Jeremiah and Julia Lynch to Frank Neidick.....Feb. 2, 1915
 Feb. 6, 1915—S CALIFORNIA bet. Montgomery and Sansome, 13th & 14th floors of Merchants' Exchange Bldg. S F Commercial Club to Brunswick-Balke-Collender Co. Feb 5; L & E Emanuel, Inc. Feb 5, '15
 Feb. 6, 1915—EXPOSITION SITE. Utah Exposition Commission to whom it may concern...Feb. 1, 1915
 Feb. 9, 1915—SE GEARY & TAYLOR S 137-6xE 87-6. Clift Realty Co to Mangrum & Otter, Feb. 2; Frederick W Snook, Feb. 2; Raymond Granite Co, Feb. 2; William Bate-man, Feb. 2; American Marble & Mosaic Co, Feb 5, and Valentine Franz.....Feb. 9, 1915
 Feb. 8, 1915—W EUREKA 174 N 18th N 49xW 125. August J and Anna Baumaum to Wm Moore. Feb. 6, 1915
 Feb. 8, 1915—EXPOSITION SITE. The Package Fruit Exchange Co to E W Elliot.....Feb. 5, 1915
 Feb. 8, 1915—W ELEVENTH AVE 200 N Balboa 25x120. Alfred T Morris to whom it may concern...Feb. 8, 1915
 Feb. 8, 1915—EXPOSITION SITE The Anglo California Trust Co to L A Rose.....Feb. 4, 1914
 Feb. 8, 1915—EXPOSITION SITE. The Anglo California Trust Co to L A RoseFeb. 4, 1914
 Feb. 8, 1915—N SOUTH PARK 48-6 W Center Place N 97-6xW 22. S Morino to Frasier & Frasier.....Feb. 4, 1915
 Feb. 9, 1915—E NINETEENTH AVE 125 S Geary S 25xE 120. Jno D and Norah Harriss to whom it may concernFeb. 8, 1915
 Feb. 9, 1915—W FORTY-FIFTH AVE 225 S Irving 25x120. Harry Borromeo to McCausland Bros.....Feb. 8, 1915
 Feb. 9, 1915—E SCOTT 25 S Chestnut. Frank Giarritta to whom it may concern.....Feb. 9, 1915
 Feb. 10, 1915—E TWELFTH AVE 250 S Cabrillo S 25x120. Martin A Hanley to W A Savage..Feb. 9, 1915
 Feb. 11, 1915—EXPOSITION SITE. Schloss Mfg. Co. to United Decorating Co.....Jan. 11, 1915
 Feb. 11, 1915—W TWENTY-EIGHTH Ave 100 S Clement S 75xW 140. Mrs A Walton to Peter Hansen....Feb. 10, 1915
 Feb. 11, 1915—NE HAYES AND Octavia N 120xE 38-3. Gendotti Estate Co to Pacific Structural Iron Works.....Feb. 9, 1915
 Feb. 11, 1915—W CHURCH 114 S 20th 32x105. Matilda L Goette to whom it may concern..Feb. 10, 1915
 Feb. 11, 1915—SW SANSOME AND California. Fireman's Fund Insurance Co to Levensaler Speir Corp.Feb. 1, 1915
 Feb. 11, 1915—S COMMERCIAL 60 E Montgomery S 59-6xE 49-9. Pacific Gas & Electric Co to California Artistic Metal & Wire Co.....Feb. 4, 1915

Hyde, Sara H Spalsbury to J D Bell.....Feb. 12, 1915
 Feb. 13, 1915—E LYON 59-9 1/2 S Lombard. Simon Barend and Mrs Lillian Barend to whom it may concern.....Feb. 13, 1915
 Feb. 13, 1915—EXPOSITION SITE. Panama-Pacific International Exposition to Neil A McLean.Feb. 5, '15
 Feb. 13, 1915—NE NORTON (Morton) 400 NW Mission NW 25xNE 100 Blk 3, Academy Tct. Louis Lagomarsino to New Era Bldg Co, Inc.....Feb. 1, 1915
 Feb. 13, 1915—N ANZA 45 W 12th Ave W 25xN 75. Thomas Hamill to Thomas Hamill.....Feb. 13, 1915
 Feb. 13, 1915—N ANZA 70 W 12th Ave W 25xN 75. John Gray to Thos Hamill.....Feb. 13, 1915
 Feb. 13, 1915—NW JACKSON AND Scott N 127-8 1/2 xW 137-6. Academy of the Sacred Heart to Daniel Powers.....Feb. 9, 1915
 Feb. 13, 1915—E NINETEENTH AV 175 S Geary 50x120. Lloyd Burley Ham to McCausland Bros.Feb. 12, '15

LIENS FILED

SAN FRANCISCO COUNTY.

Feb. 6, 1915—SE TENTH AVE AND Anza S 33-4xE 95. United Lighting Fixture Co vs M and Jane Doe Zobel and Urban Realty Co..\$186.80
 Feb. 6, 1915—E NINTH AVE 275 N Kirkham N 25xE 120. C Bellanca, \$41.75; D Norcia, \$144 vs Katherine Curry and Joseph Coward.....
 Feb. 6, 1915—NE COURTLAND AVE and Wool E 25xN 70. Frank Moss vs J M Bailey and Philip Theresa.....\$35
 Feb. 6, 1915—SE GREEN AND FILLmore S 86-6xE 70-5. Ideal Cornice Co vs Mrs Bertha Oberfeld.....\$110
 Feb. 6, 1915—N IRWIN 220 W 6th — 125xN 140. Acme Lumber Co vs Southern Pacific Co, Sanroc Mfg Co and Frank Shay.....\$442.64
 Feb. 8, 1915—N CALIFORNIA 32 W Larkin W 27-6xN 87. Hardwood Interior Co vs Otto Carson and Isador R Kissel.....\$445
 Feb. 8, 1915—N CALIFORNIA 32 W Larkin W 27-6x87. S Ginberg & Co vs I R Kissel and Otto Carson..\$148
 Feb. 8, 1915—N ELLIS 137-6 W Stockton N 137-6xW 90; also being Lot 9 Blk 327. David Graham vs United Realty Co.....\$415
 Feb. 8, 1915—N CALIFORNIA 32 W Larkin W 27-6xN 87. C Rutherford vs L R Kissel and Otto Carson.....\$170
 Feb. 9, 1915—NW POST & STOCKTON N 137-6xW 137-6. Clarke & Dickson vs Blanche M Burbank and John or John G Barker.....\$607
 Feb. 9, 1915—SW CLEMENT AND Third Ave W 30xS 70. Joseph L Herger vs John Ignatius Mitrovich (as J I Mitrovich Bldg Co) and J De Courtoni.....\$625
 Feb. 9, 1915—N CALIFORNIA 32 W Larkin W 27-6xN 87. Wm H Clawson vs Otto Carson & Co, I R Kessel and Massachusetts Bonding & Insurance Co.....\$88.50
 Feb. 9, 1915—NE FOURTH AVE & Cabrillo 32x95. Mangrum & Otter vs David Condon.....\$81.10
 Feb. 9, 1915—BDED W ILLINOIS; S by 20th extended; N by 19th; E by Bay of S. F. Forderer Cornice Works vs Union Iron Works and Thos H Day's Sons.....\$1485.96

Feb. 10, 1915—BDED ON W by Illinois; S by 20th extended; N by 19th extended, and E by Bay of S. F. Progressive Painting Co vs Union Iron Works Co and Thos H Day's Sons.....\$1097.50
 Feb. 9, 1915—N CALIFORNIA 32 W Larkin W 27-6xN 87. John Tingberg vs I R Kissel.....\$125
 Feb. 10, 1915—N CALIFORNIA 32 W Larkin W 27-6xN 87. The Simplex Window Co vs Isador R Kissel and Otto Carson.....\$78
 Feb. 11, 1915—NE FOURTH AVE & Fulton N 95 E 31-3 S 92 W —. Reinhart Lumber & Planing Mill Co vs John J Sullivan, Genevieve Sullivan & L C Wooldridge..\$1737.49
 Feb. 11, 1915—N CALIFORNIA 32 W Larkin W 27-6xN 87. American Elec Eng Co vs Otto Carson and Isador R Kissel.....\$217
 Feb. 11, 1915—LOTS 4 AND 5 BLK 3 Crocker Amazon Tract. Frank L Maino vs Vittoric Boicelli and J I Mitrovich Bldg Co.....\$110
 Feb. 11, 1915—S GALVEZ AVE 100 W Mandell W 50xS 100. E G Lawrence vs Emile Levesque and J Pedeupe, Remi Laplace & Maria Laplace.....\$45
 Feb. 11, 1915—S PACIFIC AVE 112 W Larkin W 27-6xS 127-8 1/2. J Marconi vs Susanna Knipper, E Ichtters and P Grell.....\$85
 Feb. 11, 1915—N CALIFORNIA 32 W Larkin W 27-6x87. J Marconi vs I R Kissel and Otto Carson.....\$455
 Feb. 13, 1915—NW POST & STOCKton N 137-6xW 137-6. C C Morehouse vs Blanche M Burbank..\$4675
 Feb. 13, 1915—LOTS 4 AND 5 BLK 3 Crocker Amazon Tract. HS Thomson vs J I Mitrovich and J I Mitrovich Bldg Co and Vittorio Boicelli.....\$259.59
 Feb. 13, 1915—SE GROVE & CLAYton E 106-3xS 40. L Blum vs Louis D Stoff.....\$443.30
 Feb. 13, 1915—N LAKE 90 W 19th Ave W 30xN 100. Reinhart Lumber & Planing Mill Co vs Milton Ellis and Roberts & Woolfrey.....\$152.56
 Feb. 13, 1915—SW GEARY & SIXTH Ave S 175 W 120 S 25 E 120 N 25. Jas E Lennon Lime & Cement Co vs John Doe Bertolino, Roberts & Woolfrey and Agnes Sullivan..\$8.90
 Feb. 13, 1915—NE FOURTH AVE & Fulton N 95 E 31-3 S 92 W to beg. Pioneer Plate & Window Glass Co vs John J Sullivan and Genevieve Sullivan.....\$154
 Feb. 13, 1915—S McALLISTER 55 W Gough; No. 715. George W Coefield and Alice J Coefield (as Coefield Mfg Co) vs Reuben Cohen, I N Cohen and B O Smith.....\$158.75
 Feb. 13, 1915—S GALVEZ AVE 100 W Mandell W 50xS 100. Howes Lumber Co, \$22.77; E G Lawrence, \$45; David Gandolfo, \$77 vs Emile Levesque, J Pedeupe and Remi and Maria Laplace.....

RELEASE OF LLJS

SAN FRANCISCO COUNTY.

Feb. 8, 1915—S GEARY 137-6 W Laguna S 137-6xW 55. Hubbs & Lear and Acme Lumber Co to M A Wessling.....
 Feb. 10, 1915—W NINTH AVE 125 S Geary S 25xW 120. Loop Lumber Co to F A Cascioni.....
 Feb. 11, 1915—LOT 23 BLK "D" Mission Street Land Co. A L Stockton Lumber Co to Martha Brown,


Cornelius T Regan, Raymond T, Josephine M and Geo E Regan....
 Feb. 15, 1915—SW PRECITA AVE & Florida (Ryan) SW 25xSE 80. S I Volz to John and Bergitte Eliassen Olaf M Johnson and Carl Olson..
 Feb. 15, 1915—NW MARKET 473 SW Church NW 116-1 S parallel with Sanchez 20-8 SW parallel with Market 11-3 SE 100 NE 25. P Roberts to John R Brown and Louise Muirhead, Adm Est Bridget Dillon, dec'd.....
 Feb. 15, 1915—NW CLARENDON AV 150 m or l SW from S Carmel W parallel with Carmel 26-0% N parallel with Cole 31-9 E parallel with Carmel and dist 100 S thereon 48 m orl. Morris Stulsft Co, Gas Appliance Sales Co of America to Joseph Deasy, J B Woolfrey, L F Roberts, W G McDiarmid and Mary O Carmody.....
 Feb. 15, 1915—SW PRECITA AVE & Florida SW 25xSE 80. Christ Twedall or Truedell to Jno Eliassen, Bergitte Eliassen, Olaf M Johnson and Carl Olson.....

OAKLAND AND ALAMEDA COUNTY.

RESIDENCE — 2 story and base, frame, \$7,000. Berkeley, Alameda Co., Cal. Architect, Eugene K. Martin, 2192 Shattuck avenue, Berkeley. Owner, Mr. Erickson. The dwelling will be erected on Prince street, and has been designed to contain eight rooms, bath and sleeping porch. Interior finish will be of pine, redwood, hardwood veneer and white enamel. Hardwood floors will be used in the principal rooms. Plans provide for furnace heat and open fire places. Mantels will be of tile and brick. Bath room will have tile wainscot and floor. An automatic water heater will be installed. Exterior of the house will be covered with cement plaster on metal lath. Plans are complete and figures will be taken at once.

BUNGALOW—1 1/2 story and base, frame, \$3,700. Berkeley, Alameda Co., Cal. Architect, James W. Plachek, Acheson Bldg., Berkeley. Owner's name withheld. The dwelling will be erected on San Mateo avenue and has been designed to contain eight rooms, bath and sleeping porch. Interior finish will be of pine and hardwood veneer with white enamel in the bed rooms. There will be furnace heat and open fire places. Mantels will be of tile or brick. Tile wainscot and floor will be used in the bath room. An automatic water heater will be installed. Exterior of the house will be covered with rustic and cement plaster on metal lath. Plans are now being prepared.

RESIDENCE — 2 story and base, frame, \$4,500. Berkeley, Alameda Co., Cal. Architect, M. M. Bruce, 2270 Green street, S. F. Owner, H. H. Hall, 1910 Napa avenue, Berkeley. The dwelling has been designed for a seven-room house with bath and sleeping porch, and will be erected at the corner of Amador and Shattuck avenue. Interior will be finished in pine and redwood. White enamel will be used in the bed rooms. There will be hardwood floors in the living and dining rooms and reception hall. Plans provide for furnace heat and open fire places. Mantels will be of tile or brick. An automatic water heater will



Structural Steel Contractors

Works at
**HARRISON ST.,
bet. 8th & 9th
San Francisco**

Telephone Market 337

be installed. Tile wainscot will be used in the bath room. Exterior of the house will be covered with rustic and cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor.

APARTMENT HOUSE—3 story and base, brick and frame, \$26,000. Berkeley, Alameda Co., Cal. Architect, Clay N. Burrell, Albany Bldg., Oakland. Owner, Jonathan Durst. The building will be erected at the corner of Adeline and Harmon streets and will contain stores on the first floor besides the entrance to the apartments. Upper two floors will be arranged for a number of two, three and four room suites. Interior will be finished in pine and redwood with some elm panels. There will be steam heat and a hot water supply. All suites will have wall beds and private baths. Bath rooms will have tile wainscot and composition floors. Patent store fronts will be used. Marble bases and wainscot are also specified. Exterior of the building will be faced with pressed brick veneer and cement plaster on metal lath. Plans are complete and subfigures are being taken.

CHURCH—2 story and base, brick, \$70,000. Oakland, Cal. Architect, William A. Newman, David Hewes Bldg., S. F. Owners, Second Church of Christ, Scientist. The building has been designed in the classic style and will be erected at the northeast corner of 34th and Elm streets. The building will cover a large ground area. There will be a large auditorium, reading rooms, Sunday school rooms and study. Interior finish will be of pine and ornamental plaster. A central heating system, probably steam heat with oil burning equipment will be installed. Marble and tile and art glass is specified. Exterior of the building will be faced with pressed brick. Plans are complete and figures are being taken.

MUNICIPAL AUDITORIUM CURTAINS AND LIGHT FIXTURES—Cost not stated. Oakland, Cal. Architect, Supervising Architect J. J. Donovan, Security Bank Bldg., Oakland. Owners, City of Oakland. Bids submitted for theatre curtain and hangings and for light fixtures for the Oakland Municipal Auditorium show the City of Paris, S. F., low on the curtains at \$3,625.60 and the English Co. low on the light fixtures at \$13,339. Bids were referred to the City Attorney. A complete list of the bids submitted will be found under the heading of Oakland and Alameda County in this issue.

LIBRARY—3 story and base, brick, \$10,000. Berkeley, Alameda Co., Cal. Architect, W. H. Ralston, 10, First National Bank Bldg., Berkeley. Owners, City of Berkeley. The building will be erected on San Pablo avenue near University and has been designed in the

classic style. There will be one large reading room, stack room and office for the librarian. Interior finish will be of pine with maple floor. A central heating system, probably warm air, will be installed. Metal book stacks are specified. Exterior of the building will be faced with pressed brick. Plans are now being prepared.

RESIDENCE—2 story and base, frame, \$5,000. Oakland, Cal. Architect, Claud B. Barton, First Trust Bldg., Oakland. Owner, J. McClellan. The dwelling has been designed for a seven-room house and will be erected in the Crocker Highlands. Interior finish will be of pine and redwood with some hardwood veneer and white enamel. Hardwood floors will be used in the living and dining rooms. There will be furnace heat and open fire places. Mantels will be of tile. Tile wainscot and floor will be used in the bath room. An automatic water heater will be installed. Exterior of the house will be covered with cement plaster on metal lath. Plans are now being prepared.

Contracts Awarded.

APARTMENT HOUSE—4 story and base, brick and steel, \$70,000. Oakland, Cal. Architect, Clay N. Burrell, Albany Bldg., Oakland. Owner, J. Meyer. Contractors, Sommarstrom Bros., 202 East 12th street, Oakland. Contract price, \$70,000. Note: Excavation is complete and subfigures are now being taken on the balance of the work.

Oakland Auditorium Bids.

Oakland City Council Opens Bids For Theatre Curtains, Hangings and Lighting Fixtures.

Bids were opened Thursday afternoon by the Oakland City Council for theatre curtains and hangings for the Municipal Auditorium and at the same meeting for lighting fixtures for the auditorium. Following is a complete list of the bids submitted:

Theatre Curtains, etc.

Robert Swan	\$3,920.00
The Curtain Store, Inc....	7,750.00
W. and J. Sloane.....	4,235.00
City of Paris.....	\$3,625.60

Lighting Fixtures.

Thomas Day Co.....	\$14,318
Maxwell Hardware Co....	13,750
The English Co.....	13,339

Building Contracts Awarded.

Oakland.

No.	Owner.	Contractor	Amt.
195	Trimlett	Trimlett	2400
196	Squires	Mickelsen	425
197	Heinemann	Boeddeker	400
198	Murray	Murray	1000
199	Garrett	Delanoy	750
200	Cianciarulo	Pozzi	400
201	Bolmer	Brewin	2000
204	Stangart	Stangart	500
205	Larsen	Larsen	1800
206	Legris	Legris	500
210	Shell	Burnham	450
211	Jacks	Ernsberg	400
212	Sims	Sime	2000
213	Mariolini	Valente	1530
214	Salera	Valente	1530
215	Sorensen	Sorensen	200
216	Inguglia	Dexter	3500
217	Eggers	Anderson	3700

DWELLING

(195) S AGUA VISTA 55 W Rosedale, Oakland. One-story 7-room dwlg.

Owner.....Robert Trimlett, 3136 High, Oakland.

Architect...None.

Day's work. COST, \$2400

ADDITION

(196) NO. 5212 MILES AVE., Oakland. Addition.

Owner.....E. Squires, Premises.

Architect...None.

Contractor...I. C. Mickelsen, 200 Santa Clara Ave., Oakland.

COST, \$425

REPAIRS

(197) NO. 1955 TWENTY-FIRST AVE Oakland. Repairs.

Owner.....Joe Heinemann, Premises.

Architect...None.

Contractor...Joe Boeddeker, 1814 34th Ave., Oakland.

COST, \$400

DWELLING

(198) N E-TWENTY-SEVENTH 166 W Peralta Ave., Oakland. One-story 4-room dwelling.

Owner.....Robert Murray, 3145 Lynde Oakland.

Architect...None.

Day's work. COST, \$1000

ALTERATIONS

(199) SE PERKINS AND GRAND Ave., Oakland. Alterations.

Owner.....E. T. Garrett, Princeton Apartments, Oakland.

Architect...A. W. Smith, 1010 Broadway, Oakland.

Contractor...Delanoy & Randlett, 2303 Ave., Alameda.

COST, \$750

ALTERATIONS

(200) NO. 1725 BROADWAY, Oakland. Alterations.

Owner.....M. Cianciarulo, 7th and Clay, Oakland.

Architect...None.

Contractor...Pozzi & Bush, Premises.

COST, \$400

ADDITION

(201) NO. 1167 EIGHTH, Oakland. Two-story addition to dwelling.

Owner.....F. H. Bolmer, Premises.

Architect...None.

Contractor...P. Brewin, 1473 7th, Okd.

COST, \$2000

ADDITION

(204) NO. 466 FORTY-THIRD, Oakland. Addition.

Owner.....H. Stangart, Premises.
Architect...None.
Day's work. COST, \$500

DWELLING
(205) NO. 3404 ELMWOOD AVE., Oak-
land. One-story 5-room dwelling.
Owner.....R. K. Larsen, 3315 Elm-
wood Ave., Oakland.
Architect...None.
Day's work. COST, \$1800

REPAIRS
(206) S DELAWARE 150 E Curran
Ave., Oakland. Repairs.
Owner.....Cyril A. Legris, 3734
Kingsley, Oakland.
Architect...None.
Day's work. COST, \$500

SUPPLY STATION
(210) GORE TELEGRAPH & CLARE-
mont Aves., Oakland. Supply station
Owner.....Shell Oil Co., 343 Sansome,
San Francisco.
Architect...None.
Contractor..Burnham Standeford Co.,
1st & Washington, Okd.
COST, \$450

ALTERATIONS
(211) NO. 6205 COLLEGE AVE., Oak-
land. Alterations.
Owner.....Victor C. Jacks, 6264
Claremont Ave., Oakland.
Architect...None.
Contractor..F. A. Ernsberg, 6245 Col-
lege Ave., Oakland.
COST, \$400

DWELLING
(212) W FIFTY-SEVENTH AVE 80 N
Edgerly, Oakland. One-story 5-room
dwelling.
Owner.....Wm. H. Sims, 1128 71st
Ave., Oakland.
Architect...None.
Day's work. COST, \$2000

DWELLING
(213) E MARSHALL 140 N 55th, Oak-
land. One-story 4-room dwelling.
Owner.....A. Maiolini, 5512 Fremont,
Oakland.
Architect...None.
Contractor..M. E. Valente, 5882 Vallejo
Oakland. COST, \$1530

DWELLING
(214) E MARSHALL 180 N 55th, Oak-
land. One-story 4-room dwelling.
Owner.....A. Salera, Oakland.
Architect...None.
Contractor..M. E. Valente, 5882 Vallejo
Oakland. COST, \$1530

MACHINE SHOP
(215) S SIXTY-SEVENTH 390 W San
Pablo Ave., Oakland. Machine shop.
Owner.....Walter Sorensen, 3219
Ellis, Berkeley.
Architect...None.
Day's work. COST, \$1200

FRAME DWELLING
(216) NE 35 LOT 9 and SW 5 Lot 8
Blk 6 Map Fourth Avenue Heights,
Oakland. All work for two-story 8-
room frame dwelling.
Owner.....J. B. and Charlotte Matilda
Inguglia, 2444 Leaven-
worth, San Francisco.
Architect...None.
Contractor..A. R. Dexter, 2212 Grove,
Oakland.
Filed Feb. 13, '15. Dated Feb. 2, '15.
\$2500 to be paid weekly.....
\$1000 to be paid by promissory

note secured by deed of trust on
said property on completion and
acceptance
TOTAL COST, \$3500
Bond, none. Limit, 90 days. Forfeit,
\$2. Plans and specifications filed.

FLATS
(217) S BOULEVARD 100 W High,
Oakland. Two-story 10-room flats.
Owner.....Martin Eggers, High and
Boulevard, Oakland.
Architect...None.
Contractor..Chris C. Andersen, 4115
Agua Vista, Oakland.
COST, \$3700

Building Contracts Awarded.

Berkeley.

No.	Owner	Contractor	Amt.
193	Luken	Thaxter	1900
194	Lyman	Lyman	2800
202	Wieland	Wieland	1300
203	Peake	Peake	2975
208	Hall	Hall	4500
209	Janssen	Janssen	2000

DWELLING
(193) S GARBER 250 E College Ave.,
Berkeley. One-story 5-room dwlg.
Owner.....Herman Luken, 2732 Gar-
ber, Berkeley.
Architect...None.
Contractor..F. W. Thaxter, 2454 Ash-
by Ave., Berkeley.
COST, \$1900

DWELLING
(194) E GLEN AVE 150 N Eunice,
Berkeley. Two-story 7-room dwlg.
Owner.....Lillian C. Lyman, Oxford
Apartments, Berkeley.
Architect...None.
Contractor..F. J. Lyman, Berkeley.
COST, \$2800

ALTERATION AND REPAIRS
(202) N GARBER — E Piedmont Ave.
Berkeley. Addition, alterations and
repairs.
Owner.....C. F. Wieland, Claus
Spreckels Bldg., S. F.
Architect...None.
Day's work. COST, \$1300

DWELLING
(203) N MARIN AVE 120 E Alameda
Ave., Berkeley. One and one-half-
story 5-room dwelling.
Owner.....F. R. Peake Co., 2127 Uni-
versity Ave., Berkeley.
Architect...None.
Day's work. COST, \$2975

DWELLING
(208) SW AMADOR AND SHATTUCK
Ave., Berkeley. Two-story 7-room
dwelling.
Owner.....H. H. Hall, 1910 Napa
Ave., Berkeley.
Architect...M. M. Bruce, 2270 Green,
San Francisco.
Day's work. COST, \$4500

DWELLING
(209) E GRANT 61 S Berkeley Way,
Berkeley. One-story 5-room dwlg.
Owner.....E. A. Janssen, 146 Shrader,
San Francisco.
Architect...H. C. Bauman.
Day's work. COST, \$2000

Building Contracts Awarded

Alameda.

No.	Owner	Contractor	Amt.
207	Roth	Roth	2500

DWELLING
(207) — PARU 150 N Santa Clara,
Alameda. One-story 6-room dwelling.
Owner.....Conrad Roth, 2117 Pacific,
Alameda.
Architect...None.
Day's work. COST, \$2500

COMPLETION NOTICES.

ALAMEDA COUNTY

Feb. 5, 1915—LOT 18 Craig Tract,
Piedmont. Guy H Liliencrantz to
United Home Bldrs....Dec. 29, 1914
Feb. 5, 1915—W MERCED — N Sono-
ma being Lot 13 Blk 13, Northbrae
Tract, Oakland Tp. A L Skee to
whom it may concern.....
Feb. 8, 1915—LOT 9 BLK "A" Amend-
ed Map Moss Tract, Okd. Alex-
ander and Caroline Boe to O Carl-
son.....Feb. 6, 1915
Feb. 8, 1915—LOT 80 Darling Home-
stead Tract, Okd. C O Carlson to
whom it may concern....Feb. 6, 1915
Feb. 8, 1915—LOT 1 BLK 1 Berkeley
Heights, Bkly. T C Peterson to
Jacob Kollmer.....Feb. 6, 1915
Feb. 9, 1915—S FIFTEENTH 50 E
Jefferson E 50xS 75, Okd. Albert C
Aiken to P A Palmer....Feb. 8, 1915
Feb. 9, 1915—SW SHATTUCK AVE
and Haste 170 on Shattuck Ave
and 125 on Haste, Bkly. Loring
James Barker by Fredk P Barker
to F E Armstrong.....Feb. 8, 1915
Feb. 13, 1915—PTN LOTS 129 AND
130, Crocker Highlands, Okd Henry
E Jackson to Oscar Sairanen.....
.....Feb. 12, 1915

LIENS FILED.

ALAMEDA COUNTY.

Feb. 4, 1915—NW BARTLETT AND
NE Deering NE 40xNW 125, Oak-
land, \$27.70
NW BARTLETT 40 NE Deering NE
40xNW 125, Okd., \$36.50
NW BARTLETT 80 NE Deering NE
40xNW 125, Okd., \$39.70.
NW BARTLETT 120 NE Deering
NE 40xNW 125, Okd., \$34.60.
NW BARTLETT 160 NE Deering
NE 40xNW 125, Okd., \$32.60.
NW BARTLETT 200 NE Deering
NE 40xNW 125, Okd., \$34.60.
SE BARTLETT and NE Brookdale
NE 40xSE 125, Okd., \$49.90.
NW BARTLETT 240 NE Deering
NE 40xNW 125, Okd., \$24.00.
NW BARTLETT 280 NE Deering
NE 40x NW 125, Okd., \$16.00.
NW BARTLETT and SW Brook-
dale Ave SW 50xNW 125, Okd., \$19.
NW BARTLETT and NE Brook-
dale Ave NE 40xNW 125, Okd., \$16.
A Lazzareschi vs Oakland Homes
Corporation
Feb. 10, 1915—NE DEERING & NW
Bartlett NE 450xNW 250; Okd. A
Lazzareschi vs Oakland Homes
Corporation\$2012.50
Feb. 10, 1915—SE BARTLETT & NE
Deering NE 40 SE 125 NE 50 SE
125 SW 450 NW 250, Okd. A Laz-
zareschi vs Oakland Homes Cor-
poration\$2012.50
Feb. 11, 1915—LOT 84 Map Fruit-

vale Add'n Tract, Okd. Oakland
Homes Corporation vs Margaret A
and Alfred Goddard.....\$184

RELEASE OF LIENS

ALAMEDA COUNTY.

Feb. 4, 1915—NW ELEVENTH AND
Franklin W 100 N 100 E 25 S 50
E 75 S 50, Okd. T A Johnson to
Odd Fellows Hall Association et al
.....\$235
Feb. 5, 1915—W MORTON 143 S
Santa Clara Ave W 150xS 125, Ala.
Stickney & Hu'ton to M E Herbert
.....\$103
Feb. 11, 1915—(1) NE TAYLOR AVE
and Caroline E 53-9 N 122.24 (2) E
Caroline 36 N Taylor Ave N 30xE
53-9, Ala. Frank Vignolo to Clara
T Hessman\$130

SAN JOSE AND THE SANTA CLARA VALLEY.

RESIDENCE — 2 story and base,
frame, \$6,000. Burlingame, San Mateo
Co., Cal. Architect, Eugene K. Martin,
2192 Shattuck avenue, Berkeley. Own-
er, Mr. McDonald. The dwelling will
be erected on Chapin avenue and has
been designed for an eight-room house
with two baths and sleeping porch.
Pine and hardwood interior trim will
be used. Bed rooms will be finished
in white enamel. Hardwood floors will
be used in the living room, dining
room and reception hall. There will
be furnace heat and open fire places.
Mantels will be of tile and brick. Bath
rooms will have tile floors and wain-
scot. An automatic water heater will
be installed. Exterior of the house
will be covered with cement plaster
on metal lath. Plans are now being
prepared.

RETAINING WALL—Earth and re-
inforced concrete. Cost not stated.
Redwood City, San Mateo Co., Cal.
Engineer, County Surveyor, Redwood
City. Owners, San Mateo County.
Plans and specifications presented to
the Supervisors by the County Sur-
veyor for the construction of a retain-
ing wall on Small avenue at Belmont
have been adopted and bids will soon
be called on the work.

BRIDGE—Reinforced concrete and
steel. Cost not stated. Salinas, Mon-
terey Co., Cal. Engineer not selected.
Owners, City of Watsonville and Mon-
terey County. A committee from the
Watsonville Board of Aldermen, com-
posed of Mayor Trafton, City Attorney
Sans and Messrs Sager and Osburn,
has conferred with Board of Supervi-
sors relative to plans for a bridge to
span the Pajaro River, to be built
jointly by the City of Watsonville and
the County of Monterey. Several sets
of plans have been submitted to the
Aldermen and to the Supervisors by
prospective bidders. As a result of
the conference, Supervisor J. L. Mann
and County Surveyor Cozzena have
been instructed to make a selection
from the designs submitted.

SCHOOL—2 story and base, brick,
\$160,000. Palo Alto, Santa Clara Co.,
Cal. Architects, Allison & Allison, Hi-
bernian Bldg., L. A. Owners, Palo Alto
School District. Architects Allison &
Allison have been notified by the
Board of School Trustees of Palo Alto
that, owing to the recent court deci-
sion relative to the law of 1878, re-
quiring a public competition for all

county buildings, that plans for the
new \$160,000 school building could not
be used. The question of securing fur-
ther plans will be taken up by the
Board at their next meeting.

RETAINING WALL — Reinforced
concrete. Cost not stated. Redwood
City, San Mateo Co., Cal. Engineer,
County Surveyor Neuman, Redwood
City. Owners, San Mateo County. The
retaining wall will be erected along
Schmoll street near O'Neill avenue in
the town of Belmont. Plans are com-
plete and figures are now being taken.
Bids will be opened on March 1st at
10 a. m. Plans and specifications can
be secured from the County Surveyor.

HIGHWAY CONSTRUCTION — Cost
not stated. Redwood City, San Mateo
Co., Cal. Engineer, County Surveyor
Neuman, Redwood City. Owners, San
Mateo County. Plans are complete for
constructing 2½ miles of concrete and
oil macadam highway extending from
Hillsborough to the Crystal Springs
lakes. Bids are being taken and will
be opened on March 1st. Plans and
complete information can be secured
from the County Surveyor at Redwood
City.

ROAD CONSTRUCTION—\$30,000. Sa-
linas, Monterey Co., Cal. Engineer,
County Surveyor, Salinas. Owners,
Monterey County. Bids received and
opened by the Board of Supervisors for
the improvement of Spreckels Boule-
vard from Hilltown to the town of
Spreckels and thence to Spreckels
Junction were rejected. The bids re-
ceived were as follows: Dan McCor-
mick, \$25,500; Granite Rock Co., \$25,-
799; Peterson & Grier, \$30,760. New
bids will be called for.

HIGHWAY CONSTRUCTION — Cost
not stated. Redwood City, San Mateo
Co., Cal. Engineer, County Surveyor
Neuman, Redwood City. Owners, San
Mateo County. Plans are complete
and figures are now being called for
on the construction of approximately
4.26 miles of county highway extend-
ing from Menlo Park to Portola. The
road will be of concrete and macadam.
Bids will be opened on March 1st.
Plans and complete information can be
secured from the County Surveyor.

Contracts Awarded.

BANK PROTECTION WORK — \$8,-
750. Salinas, Monterey Co., Cal. Engi-
neer, County Engineer Cozzens, Sa-
linas. Owners, Monterey County. Con-
tractor, Lou G. Hare, Salinas. Contract
price, \$8,750.

BUILDING CONTRACTS. SANTA CLARA COUNTY.

COTTAGE

SIXTH AND KEYS STS., San Jose.
Five-room cottage.
Owner.....N. A. Peterson, Premises.
Architect...None.
Day's work. COST, \$1500

STORE BUILDING

NW ELEVENTH AND SAN CARLOS
Sts., San Jose. One-story store bldg.
Owner.....W. J. Braunworth, Prem.
Architect...None.
Contractor...John Harding, 72 N-2nd
St., San Jose. COST, \$1350

REMODEL

NO. 70 N-TENTH ST., San Jose. Re-
modeling.
Owner.....E. H. Baker, Rea Bldg.,
San Jose.
Architect...None.
Day's work. COST, \$1000

COTTAGE

ELEVENTH AND MARTHA, San Jose.
Four-room cottage.
Owner.....A. E. Wickland, 1st and
William, San Jose.
Architect...None.
Day's work. COST, \$750

FRAME DWELLING

NW ½ LOT 10 BLK 6 of the Chapman
and Davis Tract, San Jose. All work
for frame dwelling.
Owner.....Bessie C. Woodruff, S. J.
Architect...None.
Contractor...W. L. Woodruff, 117 Curtis
Ave., San Jose.
Filed Feb. 2, '15. Dated Jan. 21, '15.
Frame up and roof on.....\$375
House plastered 375
When completed 375
Usual 35 days..... 375
TOTAL COST, \$1500

Bond, \$800. Sureties, May Pickering
and Mariam D. Woodruff. Limit, for-
feit, none. Plans and specifications
filed.

FRAME SCHOOL HOUSE

ON OLD SCHOOL GROUNDS OF
Adams School District. All work for
frame school house.
Owner.....Trustees of Adams School
District (Warren Patton
et al), Santa Clara Co.
Architect...F. D. Wolfe, 601 1st Na-
tional Bank Bldg., S. J.
Contractor...V. E. Parish, San Jose.
Filed Feb. 6, '15. Dated Jan. 25, '15.
Frame up\$1114.25
When plastered 1114.25
When completed 1114.25
Usual 35 days..... 1114.25
TOTAL COST, \$4457.00

Bond, \$222½. Surties, E. Weller and
Mrs. M. L. Parish. Limit, 100 days.
Forfeit, none. Plans and specifications
filed.

METALLURGY BUILDING

ON STANFORD UNIVERSITY CAM-
pus, Palo Alto. All work for the
Metallurgy Building.
Owner.....Stanford University Trus-
tees, Palo Alto.
Architect...Bakewell & Brown, 251
Kearny, San Francisco.
Contractor...E. A. Hettinger, Palo Alto
Filed Feb. 4, '15. Dated Feb. 1, '15.
On 1st and 15th of each month 75%
Usual 35 days.....Final payment
TOTAL COST, \$12,098.50

Bond, \$6050. Surety, Massachusetts
Bonding & Insurance Co. Limit, 120
days. Forfeit, \$50. Plans and speci-
fications filed.

BUILDING CONTRACTS.

SAN MATEO COUNTY.

MAUSOLEUM

HOLY CROSS CEMETERY E Station 2
Area 3 Plot 4, San Mateo. All
granite, steel, marble and mosaic, art
glass, bronze work, excavation and
concrete work for mausoleum.
Owner.....Antoine Vayssie, 314 Kear-
ny, San Francisco.
Architect...Fabre & Bearwald, Mer-
chants National Bk Bldg.,
San Francisco.
Contractor...H. N. Realini, 1661 Powell
San Francisco.
Filed Dec. 21, '14. Dated Dec. 15, '14.
Concrete foundations and floor
done\$ 300

Completed and accepted..... 1254
Usual 35 days..... 755
TOTAL COST, \$2309

Bond, none. Limit, 100 working days.
Forfeit, none. Plans and specifications
filed.

MAUSOLEUM

PLOT 1 SECTION 4 LOT 1 as shown on
the Plot Plan, San Mateo. All work
for mausoleum.

Owner.....J. J. Mack, Mills Bldg.,
San Francisco.

Architect...Sidney B. Newsom, 1101
Nevada Bank Bldg., S. F.

Contractor..Raymond Granite Co., 2
Potrero Ave., S. F.

Filed Dec. 17, '14. Dated Dec. 15, '14.
Granite work set up in place

to the entablature.....\$3000
Completed and accepted..... 3600

Usual 35 days..... 2267
TOTAL COST, \$8867

Bond, \$4435. Surety, Massachusetts
Bonding & Insurance Co. Limit, 100
working days. Forfeit, \$5. Plans and
specifications filed.

HARDWARE FOR RESIDENCE

"CAROLAN'S," Hillsboro. All hardware
for residence in course of construc-
tion.

Owner.....Harriett Pullman Carolan,
Hillsboro.

Architect...Willis Polk & Co., Hobart
Bldg., San Francisco.

Contractor..Pacific Hardware & Steel
Co., 581 Market, S. F.

Filed Feb. 11, '15. Dated Feb. 4, '15.
On 15th of each month..... 75%

Usual 35 days..... 25%
TOTAL COST, \$4323

Bond, \$2150. Surety, Aetna Accident &
Liability Co. Limit, May 1, 1915. For-
feit, \$10. Plans and specifications filed.

COTTAGE

LOT 12 BLK 18 Crocker Estate Tract,
Sbdvn No. 1, San Mateo. All work
for four-room cottage.

Owner.....L. Abraham, Daly City .

Architect...None.

Contractor..Allen & Knight.

Filed Feb. 4, '15. Dated Jan. 19, '15.
Frame up\$276.50

Mortar on 276.50

When completed 276.50

Usual 35 days..... 276.50
TOTAL COST, \$1106.00

Bond, limit, forfeit, plans and speci-
fications, none.

ALTERATIONS AND ADDITIONS

ATHERTON AVE & VALPARAISO
Park, Atherton. All the excavation,
forms, concrete, brick work, carpen-
try, grounds, sheathing, building
paper, roofing and sheet metal, floor-
ing, deafening, stairwork, tile work,
etc., for alterations and additions to
two-story and basement and attic
residence.

Owner.....Clara H. Heller, S. F.

Architect...Houghton Sawyer, Shreve
Bldg., San Francisco.

Contractor..Currie & Currie, 1215 3rd
Ave., San Francisco.

Filed Feb. 5, '15. Dated Jan. 28, '15.
On 1st of each month..... 75%

Usual 35 days..... 25%
TOTAL COST, \$6200

Bond, \$3100. Surety, The Aetna Acci-
dent & Liability Co. Limit, 35 working
days. Forfeit, \$26.66. Plans and speci-
fications filed.

NOTE:—\$400 is bonus for completing
work in stipulated time.

COMPLETION NOTICES.

SANTA CLARA COUNTY.

RECORDED ACCEPTED

Jan. 28, 1915—SW BRYANT AND
Lowell, Palo Alto. May B Haehl
to H J Ross.....Jan. 18, 1915

Feb. 2, 1915—LOT 22, Lenzen Sub,
San Jose. J A Weldon to J A
Weldon.....Feb. 2, 1915

Feb. 2, 1915—LOT 5 BLK 3 Larson
Sbdvn Sunnyvale. M E and J H
Hall to H A Spreen.....Jan. 25, 1915

Feb. 4, 1915—STANFORD UNIVER-
sity Campus, (Memorial Church)
Leland Stanford Jr University
Trustees to L M Avenali.....Feb. 2, 1915

Feb. 4, 1915—NEAR COR. FIRST &
Julian, San Jose. Groce R Figel
to Morrison Bros.....Feb. 1, 1915

LIENS FILED

SANTA CLARA COUNTY.

RECORDED AMOUNT

Jan. 30, 1915—NW ELEVENTH AND
Santa Clara, San Jose. H E Zim-
merman vs Chas Colombet.....\$825

COMPLETION NOTICES

SAN MATEO COUNTY.

RECORDED ACCEPTED

Feb. 11, 1915—PLOT "B" SEC 5 LOT
2, Home of Peace Cemetery, San
Mateo. Sol Wangenheim to Delano
Granite Co.....Feb. 4, 1915

Feb. 9, 1915—LOTS 8 & 9 BLK "E"
Fair Oaks Acres. Dr W H Schord
to H J Ross.....Feb. 5, 1915

Feb. 9, 1915—HIGH SCHOOL PTY.,
Baldwin Ave., San Mateo. San
Mateo Union High School Dist to
Barret & Hilp.....Dec. 9, 1914

Feb. 1, 1915—LOT 7 BLK 9 Crocker
Estate Tract Sub No. 1. Felice
Ranatore to whom it may concern
.....Jan. 20, 1915

Feb. 2, 1915—LOT 4 VALPARAISO
Park Tract Las Pulgas Rancho,
Menlo Park. Academy of the
Sacred Heart to The J Looney Co
.....Jan. 26, 1915

Feb. 2, 1915—VALPARAISO AVE.,
Menlo Park. Academy of The
Sacred Heart to The J Looney Co..
.....Jan. 26, 1915

RELEASE OF LIENS.

SAN MATEO COUNTY.

RECORDED AMOUNT

Feb. 9, 1915—LOT 6 BLK 29, 2d Add'n
to the Town of Easton. Leroy
Padgett (Leroy Paget), Charles
Arnold and R O Blair to E A Hardy
.....\$352

Feb. 1, 1915—LOT 13 BLK 5, Lomita
Park. Peter Johnson vs C E Han-
sen\$26.25

RELEASE OF LIENS.

SAN MATEO COUNTY.

RECORDED AMOUNT

Feb. 3, 1915—LOT 4 VALPARAISO
Park Tract, Las Pulgas Rancho.
Menlo Park. Frank Albeison to
Academy of the Sacred Heart, etc.
.....\$309.10

MARIN, CONTRA COSTA AND SONOMA COUNTIES.

HARBOR DREDGING — Cost not
stated. Richmond, Contra Costa Co.,
Cal. Engineer, City Engineer, Rich-
mond. Owners, City of Richmond. All
bids submitted to the City Council for
the dredging in the south channel have
been rejected. The specifications will
be revised to call for dredging at east
eight feet at low tide. New bids will
be called for at an early date.

RESIDENCE—1½ story and base,
frame, \$3,000. Martinez, Contra Costa
Co., Cal. Architect, James T. Narbett,
Berry Bldg., Richmond. Owner, C. H.
Hayden. The dwelling has been de-
signed for a seven-room house with
bath and sleeping porch. Interior will
be finished in pine and redwood. Some
hardwood floors will be used. There
will be open fire places and tile or
brick mantels. Bath room will have
tile wainscot. An automatic water
heater will be installed. Exterior of
the house will be covered with rustic
and cement plaster on metal lath. Plans
are now being prepared.

BRIDGE—Steel and concrete, \$180,-
000. Rio Vista, Solano Co., Cal. Engi-
neers, County Surveyors, Solano and
Sacramento Counties. Owners, Sola-
no and Sacramento Counties. Word
received in this city makes known the
fact that an extension of one year has
been asked of the War Department by
representatives of Solano County to
construct the proposed Rio Vista
bridge, owing to a shortage of the nec-
essary funds. At present the two
counties, together, have a little over
\$10,000 set aside for this bridge. By
July, 1915, they will have on hand
nearly \$25,000, and by July, 1916, about
\$70,000 more. About 70 per cent of
the total cost of the bridge must be
on hand before contractors can pro-
ceed with the construction. The en-
gineers' estimate of the cost of the
bridge was \$130,000, and it will re-
quire about \$50,000 additional to build
approaches and properly paved roads
immediately adjacent to the bridge.
This will bring the total expense for
each county to more than \$90,000, and
they will have till July 1, 1918, to raise
the entire amount.

BRIDGES — 2, reinforced concrete.
Cost not stated. Santa Rosa, Sonoma
Co., Cal. Engineer, City Engineer,
Santa Rosa. Owners, City of Santa
Rosa. Property owners' and residents
in the vicinity of A street and Santa
Rosa Creek, also at Leland street and
the creek, have petitioned the City
Council to construct bridges at these
locations. Many of the petitioners
have agreed to contribute liberally to-
ward the cost of the improvements.
No action as yet has been taken by the
Council.

BRIDGES—Reinforced concrete, \$2,-
000 and \$1,500. San Rafael, Marin Co.,
Cal. Engineer, County Surveyor,
Richardson, San Rafael. Owners, Ma-
rin County. At the meeting of the
Marin Supervisors held this week, Sur-
veyor Richardson submitted plans and
specifications for two concrete bridges
on the Tocaloma road near Camp Tay-
lor, one over Devil's Gulch and an-
other smaller one. The cost is esti-
mated at about \$1,500.

DREDGING — \$16,000. Richmond,
Contra Costa Co., Cal. Engineer, City
Engineer, Richmond. Owners, City of

Richmond. The City Council has adopted plans and specifications for the dredging of the south channel of San Pablo Canal. Bids on this work were received some time ago, but all were rejected and plans ordered revised. The new plans call for a depth of eight feet at low tide. Bids are to be opened at the next session of the Council.

HOTEL AND STORE—2 story and base, frame, \$7,000. Martinez, Contra Costa Co., Cal. Architect, James T. Narbett, Berry Bldg., Richmond. Owner, D. L. Hilson. The building has been designed for stores on the first floor besides the hotel entrance. Upper floor will be arranged for a number of hotel rooms and several baths. Interior finish will be of pine and redwood. Pacific Mfg. plumbing goods will be used. Exterior of the building will be covered with cement plaster on metal lath. Plans are now out for figures.

SCHOOL—1 story brick, \$12,000. Richmond, Contra Costa Co., Cal. Architect, James T. Narbett, Berry Bldg., Richmond. Owners, City of Richmond. The building has been designed for a fourteen-room school and when entirely completed will cost about \$60,000. Only the first unit of four rooms will be erected at the present time. Interior finish will be of pine throughout with maple floors in the class rooms. There will be furnace heat with an oil burning equipment. Exterior of the building will be faced with pressed brick. Plans are being prepared.

Contracts Awarded.

PASSENGER STATION—1 story, frame and concrete, \$11,000. Richmond, Contra Costa Co., Cal. Engineer, Chief Engineer, Southern Pacific Co., Flood Bldg., S. F. Owners, Southern Pacific Co. Contractors, Jones & McGovern, 2218 Los Angeles street, Berkeley. Contract price, \$11,000.

BUILDING CONTRACTS

MARIN COUNTY.

FORBES TRACT, San Rafael. Carpenter work, etc., for one-story bungalow.

Owner.....J. W. Cramer and M. J. Cramer (his wife).

Architect...United Home Building, 1762 Broadway, Oakland.

Contractor...W. H. Dwyer, San Anselmo Filed Feb. 5, '15. Dated Feb. 3, '15.

Frame up\$450

Mortar on 450

When completed 450

Usual 35 days..... 450

TOTAL COST, \$1800

Bond, \$900. Surety, Chicago Bonding & Surety Co. Limit, 60 working days. Forfeit, none. Plans and specifications filed.

FRESNO, MODESTO, STANISLAUS AND CENTRAL CALIFORNIA

RESIDENCE—2 story and base, frame, \$3,000. Fresno, Fresno Co., Cal. Architect, none. Owner, C. C. Crane, 336 Thesta street, Fresno. The dwelling will be erected on Thesta street, and has been designed to contain seven rooms and bath. Interior will be finished in pine and redwood. Hardwood floors will be used in the living and dining rooms. There will be large open fire places and tile or brick man-

tels. Tile wainscot will be used in the bath room. An automatic water heater will be installed. Exterior of the house will be covered with cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor.

ICE AND COLD STORAGE PLANT—1 story and base, brick, \$16,000. Fresno, Fresno Co., Cal. Architect, none. Owners, People's Ice Co., Fresno. The building will be erected in Woodward's Addition and will cover an area of 60 by 100 feet. No interior finish is specified. The cost of the mechanical equipment is not included in the estimate. Exterior of the building will be faced with stock brick. Plans are complete and in the hands of the owners who will do the work by Day Labor. Materials are now being purchased.

POST OFFICE—2 story and base, \$75,000. Willows, Glenn Co., Cal. Architect, Supervising Architect, Washington, D. C. Owners, United States Government. The House declined to appropriate \$75,000 to push the work on the Willows Federal building, claiming an injustice would be done to other projects. Congressman Kent of California will carry the fight into the Senate.

PASSENGER STATION—1 story and base, reinforced concrete, \$15,000. Modesto, Stanislaus Co., Cal. Architect, Engineering Department Southern Pacific Co., Flood Bldg., S. F. Owners, Southern Pacific Co. Plans are now being prepared for a new passenger station to be erected at Modesto. The building will be arranged for express and baggage rooms, two waiting rooms and office for the agent. Interior will be finished in pine. There will be a central heating system. The design is in the Mission style and roof will be of clay tile. Exterior of the building will be faced with cement plaster.

APARTMENT HOUSE—2 story and base, concrete. Cost not stated. Modesto, Stanislaus Co., Cal. Architect, none. Owner, E. G. Eberhardt, Fresno. The building will be erected at the corner of G and 13th streets and has been designed to contain twelve suites of two and three rooms. Each apartment will have a private bath and wall bed. Interior will be finished in pine and redwood. There will be a hot water system. Bath rooms will have tile floors and wainscot. Exterior of the building will be faced with cement plaster. Plans are complete and in the hands of the owner.

HOSPITAL BUILDINGS—1 and 2 story, frame. Cost not stated. Fresno, Fresno Co., Cal. Architects, Glass & Butner, Rowell Bldg., Fresno. Owners, Fresno County. The architects have been instructed to prepare plans for a new home for the resident physician, a dormitory building and tuberculosis ward to be erected at the Fresno County Hospital. Construction will be of frame. Details have not been received and further mention will be made of the work.

SCHOOL—1 story, frame. Cost not stated. Richland School District, Kern Co., Cal. Architect, J. M. Saffell, Fiske Bldg., Bakersfield. Owners, Richland School District. The building has been designed for a district school and will contain two class rooms. Interior will be finished in pine. Stoves will be used for heating. Exterior of the building will be cov-

ered with rustic and cement plaster. Plans are now being prepared.

STREET PAVING—Cost not stated. Lindsay, Tulare Co., Cal. Engineer, City Engineer, Lindsay. Owners, City of Lindsay. At a recent meeting of the Board of Trustees a resolution was passed to pave the remainder of Sweet Briar avenue to Tulare road. The matter of paving Elmwood avenue to the Tulare is also under consideration.

IRRIGATION CANALS AND LATERALS—\$200,000. Oakdale, Stanislaus Co., Cal. Engineer, Chief Engineer Oakdale Irrigation District, Oakdale. Owners, Oakdale Irrigation District. The directors of the Oakdale Irrigation District are advertising for bids for the construction of the canals and laterals to complete the irrigation system. The work contemplated will cost about \$200,000, and bids are to be in by the last of this month.

ELECTROLIER SYSTEM—Cost not stated. Modesto, Stanislaus Co., Cal. Engineer, City Electrician W. I. Carpenter, Modesto. Owners, City of Modesto. Property owners on certain streets in the residence district of this city are now making preparations for the installation of an electrolier system similar to that of the down town streets. Property owners on Magnolia street in the Wisecarver Addition have been thinking seriously of the proposition for some time. It has also been suggested tentatively by owners in other sections of the city. The matter will be considered by the City Council at an early date.

Contracts Awarded.

TRESTLE—Timber construction, \$5,893. Modesto, Stanislaus Co., Cal. Engineer, County Surveyor, Modesto. Owners, Stanislaus County. Contractors, Pacific Construction Co., Fresno. Contract price, \$5,893.

BRIDGE AND GRADING—\$14,503.70. Bakersfield, Kern Co., Cal. Engineer, County Surveyor, Bakersfield. Owners, Kern County. Contractors, C. M. and M. Hart, Wasco. Contract price, \$14,503.70. This contract covers the grading and bridge construction on three miles of the Waco-Lost Hills road.

BRIDGE—Timber and concrete construction, \$4,469. Bakersfield, Kern Co., Cal. Engineer, County Surveyor, Bakersfield. Owners, Kern County. Contractor, J. R. Rogers, Bakersfield. Contract price, \$4,469. This contract covers the construction of the Poso bridge.

STREET PAVING—\$61,013.81. Porterville, Tulare Co., Cal. Engineer, City Engineer, Porterville. Owners, City of Porterville. Contractors, Federal Construction Co., San Francisco. Contract price, \$61,013.81.

BUILDING CONTRACTS

FRESNO COUNTY.

ICE PLANT

LOTS 10 TO 14 BLK 15 Woodward's Add'n, Fresno. Ice plant.

Owner.....The Peoples Ice Co.

Architect...None.

Day's work. **COST, \$16,000**

FRAME RESIDENCE

LOTS 5 AND 6 S 1/2 LOT 4 BLK 1, Griffith Add'n, Fresno. All work for two-story frame residence.

Owner.....Wm. Glass, 1441 I St., Fresno.

Architect...None.

Contractor..G. H. Walley, 135 Diana St., Fresno.

Filed Jan. 20, '15. Dated Jan. 20, '15.
2nd floors joists in place.....\$1400
Ready for plastering.....1400
When completed1400
Usual 35 days.....1400
TOTAL COST, \$5600

Bond, \$2800. Sureties, Tim Walton and H. F. Wakefield. Limit, 90 days. Forfeited, none. Plans and specifications filed.

DWELLING

NO. 321 THESTA ST., Fresno. Dwelling
Owner.....C. C. Crane, 336 Thesta St., Fresno.

Architect...None.
Day's work. COST, \$3000

DWELLING

LOT 1 BLK 47, K, B HTS., Fresno. All work for dwelling.

Owner.....W. H. McKinnon.
Architect...None.
Contractor..Fred Smith.
COST, \$2500

ALTERATIONS

NO. 1031 J ST., Fresno. Alter front and interior.

Owner.....J. C. Cooper, 1457 M St., Fresno.
Architect...None.
Contractor..D. Cowan, 1921 Mariposa, Fresno.
COST, \$1300

REMODELING BUILDING

LOT 9 BLK 72, Fresno. Carpenter, mill, plaster, paint, marble and tile work for remodeling building.

Owner.....C. Herzog, 3103 Grant Ave. Fresno.

Architect...E. Mathewson, Forsyth Bldg., Fresno.

Contractor..D. A. and Jas. Cowan, 1921 Mariposa St., Fresno.

Filed Feb. 5, '15. Dated Feb. 3, '15.

When completed\$815
Usual 35 days.....275
TOTAL COST, \$1090

Bond, none. Limit, 30 days. Forfeited, \$10. Plans and specifications filed.

DWELLING

LOT 23 BLK 9, Arlington Heights Tet Fresno. Dwelling.

Owner.....Ole Synoground.
Architect...None.

Day's work. COST, \$1000

COMPLETION NOTICES

FRESNO COUNTY.

RECORDED ACCEPTED
Feb. 3, 1915—LOTS 34 TO 40 Shanklin Add'n, Fresno. T V Harris to whom it may concern....Feb. 2, 1915

LIENS FILED

FRESNO COUNTY.

RECORDED AMOUNT
Jan. 21, 1915—LOTS 44 AND 45 BLK 6, Van Ness Hgts, Fresno. Fresno Paint & Wall Paper Co vs W E Bosley and J F Brown.....\$75
Feb. 3, 1915—LOTS 33 AND 34 BLK 3 South Fresno Add'n, Fresno. L Banaccotta vs G Oddo.....\$94
Feb. 8, 1915—LOTS 15 AND 16 SEC 8 Chandler Tet, Fresno Co. Murray Plumbing Co vs S E Redden.....\$61
Feb. 9, 1915—LOTS 23 AND 24 SEC 22, 13-17, Fresno. A H Barney vs Fresno Irrigated Farms Co...\$1033

SACRAMENTO, STOCKTON AND NORTHERN CALIFORNIA.

IRRIGATION PROJECT—Cost not stated. Long Valley, Lassen Co., Cal. Engineers, United States Reclamation Service, Washington, D. C. Owners, United States Government. The Interior Department has agreed to consider a survey of Long Valley Creek for a new irrigation project, if the people will subscribe at least \$5,000. This has met with favor among the residents of the county and it is thought that the survey will be underway at an early date.

RESIDENCE — 1 story and base, frame, \$1,500. Sacramento, Cal. Architect, none. Owner, John Shortliff, 3216 Pearl avenue, Sacramento. The dwelling will be erected in East Sacramento and has been designed for a five-room house with bath. Interior finish will be of pine and redwood. Some hardwood floors will be used. There will be an open fire place and tile mantel. Bath room will have tile wainscot. Exterior of the dwelling will be covered with rustic and cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor.

BRIDGE, CULVERTS AND ROAD—Cost not stated. Ukiah, Mendocino Co., Cal. Engineer, County Surveyor, Ukiah. Owners, Mendocino County. Plans are complete and figures are now being taken for a road and bridge and several culverts in the Fourth Road District. Separate bids are to be submitted for the construction of the road, the bridge and culverts. Plans and specifications can be secured from the County Clerk at Ukiah or from the Fort Bragg Commercial Bank at Fort Bragg. Bids will be opened on March 2nd.

BRIDGES—Reinforced concrete. Cost not stated. Colusa, Colusa Co., Cal. Engineer, County Surveyor J. W. Kaerth, Colusa. Owners, Colusa County. Plans and specifications presented to the Supervisors for the following bridges were approved: Nos. 31, 32, 33 and 34; Nos. 52, 53, 54, 72, 76, 71, and 47; Nos. 40, 58, 59, 62, and 63; Nos. 56, 57; Nos. 49, 50, and 51; Nos. 37, 38, 42, 43, 65 and 67. All bridges will be of concrete construction. The Clerk was instructed to advertise for bids to be received on March 2nd at 3 p. m. The county will furnish the cement. Further information may be had from the County Surveyor.

BRIDGE—Reinforced concrete. Cost not stated. Colusa, Colusa Co., Cal. Engineers, A. V. Saph and Ward B. Esterly, Colusa. Owners, Colusa County. Plans and specifications presented by A. V. Saph and Ward B. Esterly for a concrete bridge across the slough between Prize store and Sycamore Slough were accepted by the Supervisors and bids for the construction of the same were ordered received up to March 2nd at 3 p. m. Further information together with plans and specifications may be had from the County Surveyor at Colusa.

FURNISHING CEMENT—Cost not stated. Colusa, Colusa Co., Cal. Engineer, County Surveyor, Colusa. Owners, Colusa County. Bids will be received up to and including March 2nd for furnishing the county with cement

for the year, 1915. The amount is not to exceed 10,000 barrels and must be delivered in carload lots at any station in Colusa County. Complete information can be secured from the County Clerk.

WATER PIPE—Cost iron. Cost not stated. Vallejo, Solano Co., Cal. Engineer, City Engineer, Vallejo. Owners, City of Vallejo. The City Council has authorized Commissioner Warford to secure estimates on 1,000 feet of 4-inch pipe to be used for extending the fire control zone in the O'Hara Tract, and for what new work will be necessary when Virginia street is improved beyond Monterey.

STREET PAVING—Cost not stated. Oroville, Butte Co., Cal. Engineer, City Engineer, Oroville. Owners, City of Oroville. The City Trustees have adopted a resolution of intention to pave Bird street from Lincoln to Marysville road, a distance of nine blocks, and at the same time instructed the City Engineer to prepare plans and specifications for the work on this street as well as on Montgomery street for the same distance.

COTTAGE—1 story and base, frame, \$2,300. Sacramento, Cal. Architect, none. Owner, C. J. Hopkinson, 1318 25th street, Sacramento. The dwelling will be erected in Boulevard Park and has been designed for a five-room house with bath. Interior will be finished in pine and redwood. Hardwood floors will be used in the living and dining rooms. There will be a large open fire place in the living room. Mantel will be of tile or brick. Tile wainscot will be used in the bath room and kitchen. Exterior of the house will be covered with rustic and cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor.

RESIDENCE — 1 story and base, frame, \$3,000. Stockton, San Joaquin Co., Cal. Architect, Joseph Losekann, San Joaquin Bldg., Stockton. Owner, Ray Friedberger, 1407 N. El Dorado street, Stockton. The dwelling will be erected in Yosemite Terrace and has been designed for a six-room house with bath and sleeping porch. Interior finish will be of pine and redwood. Hardwood floors will be used in the living and dining rooms. There will be open fire places and tile or brick mantels. An automatic water heater will be installed. Tile wainscot will be used in the bath room. Exterior of the house will be covered with rustic and shiplap. Plans are complete and figures are being taken.

BUNGALOW — 1 story frame, \$2,000. Stockton, San Joaquin Co., Cal. Architect, none. Owner, Adolph Brown, 210 East Market street, Stockton. The dwelling has been designed for a five-room house and will be erected on Baker street. Interior finish will be of pine throughout. Some hardwood floors will be used. There will be an open fire place and tile mantel. Exterior of the house will be covered with

CANNERY—1 story and base, brick, \$20,000. Chico, Butte Co., Cal. Architect, none. Owners, O. E. Tracy and S. H. Newland, Chico. A new cannery for Chico is now assured, according to statements made by O. E. Tracy, a Main street realty man at Chico, and S. H. Newland of Indianapolis, Ind., who have several sites for the new structure, which is estimated to cost \$20,000. The building, according to Tracy, will be erected and machinery installed by next June.

rustic and shiplap. Plans are complete and in the hands of the owner who will do the work by Day Labor.

HUNGALOW—1½ story and base, frame, \$4,000. Lockeford, San Joaquin Co., Cal. Architect, Ralph P. Morrell, Odd Fellows' Bldg., Stockton. Owner, H. W. Walsh. The dwelling has been designed to contain six rooms, bath and sleeping porch. Interior will be finished in pine, redwood and hardwood veneer. Hardwood floors will be used in the living room, dining room and reception hall. There will be furnace heat and open fire places. Mantels will be of tile or brick. An automatic water heater will be installed. Tile wainscot will be used in the bath room. Exterior of the house will be covered with rustic and cement plaster on metal lath. Plans are complete and figures are being taken.

RESIDENCE—1½ story and base, \$3,000. Stockton, San Joaquin Co., Cal. Architect, Joseph Losekann, San Joaquin Bldg., Stockton. Owner, Robert M. Morton. The dwelling will be erected in the Oaks Addition and has been designed for a six-room house with bath and sleeping porch. Interior will be finished in pine and redwood. Hardwood floors will be used in the living and dining rooms. Bath room will have tile wainscot. An automatic water heater will be installed. Exterior of the house will be covered with cement plaster on metal lath. Plans are complete and figures are being taken.

RESIDENCE—2 story and base, concrete, \$15,000. Dixon, Solano Co., Cal. Architect's name not given. Owner, R. D. Meyers, Dixon. The dwelling has been designed to contain twelve rooms, two baths and sleeping porch. Interior finish will be of pine and hardwood with white enamel in the bed rooms. Hardwood floors will be used in the living room, dining room and reception hall. There will be furnace heat and open fire places. Mantels will be of tile or brick. A hot water circulating system will be installed. Tile floors and wainscot will be used in the bath rooms. Exterior of the house will be covered with cement plaster. Plans are complete and the work will be done by Day Labor.

Contracts Awarded.

SCHOOL—1 story and base, brick and concrete, \$39,555. Roseville, Placer Co., Cal. Architect, W. H. Weeks, 75 Post street, S. F. Owners, Roseville Union High School District. Contractors, O'Rourke & Brady, San Francisco, general construction. Contract price, \$39,555.

STATE HIGHWAY CONSTRUCTION \$70,042.40. Chico, Butte Co., Cal. Engineer, State Highway Commission, Forum Bldg., Sacramento. Owners, State of California. Contractors, Whitlock & Gorrill, San Francisco. Contract price, \$70,042.40. This contract covers the construction of the State Highway between Nelson and Chico, a distance of 12.6 miles.

BUILDING CONTRACTS

SACRAMENTO COUNTY.

BRICK STORES, OFFICES & FLATS SW THIRTY-FIFTH AND MADRONE, on E 10 feet of N 108 feet of Lots 6 and N 108 feet Lots 7 and 8 Blk 44, South Sacramento. Two-story brick stores offices and flats.

Owner.....Joe Lewis, 3416 Madrone Ave., Sacramento.

Architect...C. C. Cuff, Ochsner Bldg., Sacramento.

Contractor..J. C. Dillard, 3117 Magnolia Ave., Sacramento.

COST, \$18,000

BRICK THEATRE

NO. 2816 THIRTY-FIFTH ST., on S 40 feet of Lots 7 and 8 and E 10 feet of S 40 feet Lot 6 Blk 44, South Sacramento. Two-story brick motion picture theatre.

Owner.....Joe Lewis, 3416 Madrone Ave., Sacramento.

Architect...C. C. Cuff, Ochsner Bldg., Sacramento.

Contractor..J. C. Dillard, 3117 Magnolia Ave., Sacramento.

COST, \$12,000

ALTERATIONS

W ½ LOT 7, G. H. 131 hand 14th Sts., Sacramento. Alter dwelling.

Owner.....Rose A. Lindner and Laurinda Starling.

Architect...None.

Contractor..John M. E. Morrill.

Filed Feb. 8, '15. Dated Jan. 30, '15.

COST, \$4574

ALTER RESIDENCE

NO. 1000 N ST., on N ½ LOT 1, N. O. 10th and 11th Sts., Sacramento. Two story frame addition to dwelling.

Owner.....Dr. G. C. Simmons, Prem.

Architect...None.

Contractor..G. A. Wendt, 2130 M St., Sacramento.

COST, \$1300

REPAIRS

NO. 1237 I ST., E ½ OF S ½ Lot 6, H. I, 12th and 13th Sts., Sacramento. General repairs to building.

Owner.....Arthur D. Fenton, Prem.

Architect...None.

Day's work.

COST, \$900

FRAME DWELLING

NO. 2008 C ST., Lot 100 Boulevard Park Sacramento. One-story five-room frame dwelling.

Owner.....C. J. Hopkinson, 1318 25th St., Sacramento.

Architect...None.

Day's work.

COST, \$2300

PLUMBING, ETC.

LOTS 6, 7, 8 BLK bded by Madrone Ave., Sacramento Ave., 34th and 35th Sts., Sacramento. Plumbing and sheet metal work.

Owner.....Joe Silva Lewis.

Architect...None.

Contractor..Latourette-Fical Co., 3431 Sacramento Ave., Sacramento.

CSOT, \$—

EXCEPT PLUMBING AND SHEET metal work on above.

Contractor..J. C. Dillard, 3117 Magnolia, Sacramento.

Filed Feb. 5, '15. Dated Feb. 6, '15.

COST, \$22,358

FRAME COTTAGE

W 46½ FEET LOT 72 East Sacramento One-story four-room frame cottage.

Owner.....John Shortliff, 3216 Pearl Ave., Sacramento.

Architect...None.

Day's work.

COST, \$1200

BUILDING CONTRACTS

SAN JOAQUIN COUNTY.

DRIVING PILES

COMPANY'S DRAWBRIDGE OVER The San Joaquin River, Stockton. All work for driving 94 fender and 36 dolphin piles.

Owner.....Western Pacific Railway Company.

Architect...Chief Engineer W. P. Co. Contractor..Jacobs & Sayles, Stockton.

Filed Feb. 4, '15. Dated Feb. 2, '15.

Work completed 75%
36 days after..... 25%

TOTAL COST, \$639

Bond, \$325. Surety, Globe Indemnity Co. Limit, 30 days. Forfeit, none. Plans and specifications filed.

COMPLETION NOTICES.

SACRAMENTO COUNTY.

RECORDED **ACCEPTED**
Feb. 6, 1915—LOT 4, K, L, 14TH & 15th Sts., Sacramento. Eagles Hall

Association of Sacramento to whom it may concern...Feb. 5, 1915

LIENS FILED

SACRAMENTO COUNTY.

RECORDED **AMOUNT**
Feb. 9, 1915—LOT OF PLEASANT

View Tract. Oak Park Lumber Co vs H F Carstens

Feb. 9, 1915—S 40 FEET LOTS 8 & 9 Allen & Leitch Trct, Sacramento,

Oak Park Lumber Co vs H F Carstens\$386.80

LOS ANGELES AND SOUTHERN CALIFORNIA.

BRIDGE—Reinforced concrete, \$50,000. Riverside, Orange Co., Cal. Engineer, City Engineer Campbell, Riverside. Owners, City of Riverside. Three sets of plans have been presented to the City Council for a concrete bridge on Victoria avenue. One of these contemplates a bridge of the mushroom type. This is a flat surface bridge with perpendicular pillars, and would cost approximately \$50,000. The two other plans were for arched bridges, and, while perhaps more sightly, would cost, Mr. Campbell estimated, respectively \$55,000 and \$60,000. The engineer was asked to make an estimate on the cost of a dirt fill similar to that made for the New Magnolia extension and present it to the next meeting. The new bridge contemplated provides for a 33-foot driveway, and his estimate on the fill is to be made on this basis.

HOTEL ADDITION—3 story. Class A construction. Cost not stated. Los Angeles, Cal. Architects, Parkinson & Bergstrom, Security Bldg., L. A. Owner, Harry C. Fryman. The Hayward Hotel, an eight-story structure located at the corner of Sixth and Spring streets, will have a three-story addition. The new portion will contain in the neighborhood of 60 rooms, all of which will have private baths. The steam heat, elevator service and vacuum cleaning will be extended into the new portion of the building. Concrete floors, walls and roof slabs will be used. Interior partitions will be of tile. There will be pine and hardwood finish and metal window sash and frames. Exterior of the building will

E. H. Williams Chalmer Munday

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White Brothers
5th and Brannan Streets San Francisco

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Veneered Panels that
ARE good—order
today from

be faced with pressed brick. Plans are now being prepared.

RESIDENCES—2, 2 story and base, frame, \$30,000 each. Hollywood, Los Angeles Co., Cal. Architect, Elmer Grey, Wright and Callender Bldg., L. A. Owner's name withheld. These two dwellings will be erected in Hacienda Park and each will contain sixteen rooms, three baths and sleeping porches. Only preliminary plans have been prepared and complete details cannot be given. Further mention will be made of the work.

SCHOOL—1 story and base, reinforced concrete. Cost not stated. Lancaster, Los Angeles Co., Cal. Architect, E. L. Hopkins, Delta Bldg., L. A. Owners, Antelope Valley Union High School District. The building will cover an area of 108 by 68 feet, exclusive of the auditorium, which will cover 70 by 64 feet. There will be six class rooms. Interior finish will be of pine. Maple floors will be used in the class rooms. Plans provide for modern school plumbing and a central heating system. Exterior of the building will be faced with cement plaster. Plans are now being prepared.

SCHOOL—1 story and base, hollow tile, \$30,000. Chatsworth School District, Los Angeles Co., Cal. Architects, Dennis & Hewitt, Fay Bldg., L. A. Owners, Chatsworth School District. The building will contain class rooms, an auditorium, library and principal's office. Interior will be finished in pine. There will be a central heating system, probably warm air system. Exterior of the building will be covered with cement plaster. Plans are being prepared.

SCHOOL—2 story and base, brick and concrete. Cost not stated. Holly-

wood, Los Angeles Co., Cal. Architect, Norman F. Marsh, Broadway Central Bldg., L. A. Owners, Hollywood High School District. The building will cover an area of 100 by 112 feet. The basement will be arranged for a large gymnasium with a balcony. There will be fourteen class rooms, an auditorium and teachers' rooms. Interior finish will be of pine with maple floors in the class rooms. Plans provide for steam heat, oil burning furnaces, vacuum cleaning and program clocks. Exterior of the building will be faced with pressed brick. Plans are now being prepared.

SCHOOLS—2, 2 story and base, brick and hollow tile. Cost not stated. Los Angeles, Cal. Architect, Elmore R. Jeffery, Wesley Roberts Bldg., L. A. Owners, Garvanza Highland Park High School. The buildings will be erected at the corner of 54th avenue and Irvington Place. Only preliminary plans have been prepared and details of this work are not yet available. Further mention will be made of the work as plans progress.

SCHOOLS—3, 1 story, brick or hollow tile, \$45,000. Puente, Los Angeles Co., Cal. Architect, C. H. Brown, Stimson Bldg., L. A. Owners, Puente High School District. Three buildings will be erected at the present time. The administration building will be two stories, 135 by 100 feet. The science and commercial buildings will each be one story, 55 by 70 feet. The style of architecture will be Spanish Renaissance. The construction will be of brick or hollow tile with plastered exteriors, clay tile roofs, concrete foundations, pine trim, maple floors, slate blackboards, plumbing, electric wir-

ing, heating and ventilating and vacuum cleaning system. Plans are being prepared.

SCHOOL GROUP—5, 1 and 2 story, hollow tile, \$50,000. Los Angeles, Cal. Architect, George A. Howard, Grant Bldg., L. A. Owners, Hyde Park School District. The group will consist of the administration building and four smaller structures. The main building will be two stories, extreme dimensions 100 by 100 feet. It will contain an auditorium to seat 500 people, principal's and superintendent's offices, a large enclosed study hall, two open-air class rooms and teachers' rooms. The smaller buildings will each contain two class rooms, cloak rooms, teachers' room and lavatories. The central heating system will be placed in the basement of the main building. The buildings will be of interlocking tile construction, with concrete foundations, cement plastered exteriors, tile roofs, brick exterior trim, maple floors, pine interior trim.

SCHOOL—2 story and base, brick or hollow tile construction, \$70,000. Owensmouth, Los Angeles Co., Cal. Architects, Dennis & Hewitt, Fay Bldg., L. A. Owners, Owensmouth Union High School District. The building will cover an area of 230 by 60 feet and has been designed in the classic style and will contain twelve standard class rooms, large auditorium, library, lecture rooms, manual training and domestic science departments, etc. The construction will be of hollow tile or brick with plastered exterior, artificial stone trim and columns, concrete foundation, clay tile roofing, pine trim, reinforced concrete stairways and corridor floors, plumbing, heating and electric

Williamson's Continuous Clothes Line Outfit

Clothes Line Problem Solved At Last

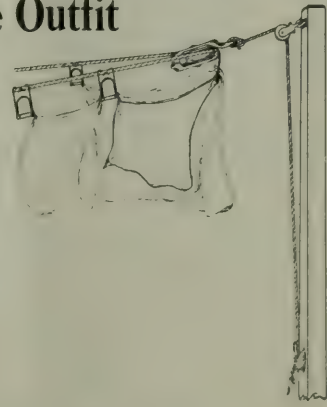
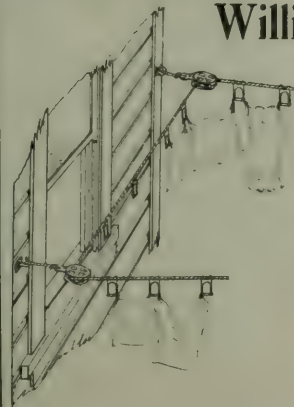
DOUBLE your line space, use all the line. No empty top line, keeps the clothes free from the soiled line, making it Sanitary. Take clothes off any part of line without removing the wet clothes.

CONSTRUCTION: The pulleys are made of cast iron galvanized; so constructed as to allow the patent clothes pine to pass through carrying the clothes around the pulleys, thereby using both lines.

BY using three pulleys, the lines are spread apart as shown in the picture and allows you to put clothes on or take them off the line without hanging out of the window side-ways. The clothes pin is made of heavy galvanized wire formed in such a manner as to allow it to be fastened to the clothes line very easily; nothing complicated to get out of order. Holds the clothes free from the line so the lines need not be covered with cloth-strips in order to keep the clothes from being soiled from the line. The strongest wind cannot blow the clothes out of the pins as they are held in a spring slot. When the wind blows it pulls the clothes deeper into the slot holding them tighter.

NO SPRINGS TO PRESS OR SQUEEZE to get the clothes in or out. Just slip clothes in slot Sanitary, Stronghold, Clothes Pins, 3 Continuous and pull down. WILL hold the daintiest fabrics or Clothes Line Pulleys and 1 Pair Line Splicers. the heaviest blanket. 1340 Mission St. Phone Mkt. 4008.

THIS OUTFIT CONSISTS OF 3 DOZEN
Price, \$2.00 per Set.



wiring. Plans are being prepared.

SCHOOL—2 story and base, brick, \$70,000. Colton, San Bernardino Co., Cal. Architects, Allison & Allison, Hibernian Bldg., L. A. Owners, Colton School District. The building will contain sixteen class rooms, auditorium, domestic science and sloyd rooms. There will be a concrete foundation and artificial stone trim, clay tile roof, pine interior trim, maple floors, slate blackboards, lavatories, plumbing, electric wiring, plenum system of heating, etc. Separate bids will be taken on the general contract, plumbing, heating. Bonds in the sum of \$80,000 have been voted and sold. Plans are complete and figures are being taken. Bids will be opened on February 26th. Plans can be secured from the architects.

ORNAMENTAL LIGHTING SYSTEM—Cost not stated. Riverside, Riverside Co., Cal. Engineer, City Engineer, Riverside. Owners, City of Riverside. Preliminary plans are now being considered by residents of the East Side District for an ornamental lighting system. Residents have discussed the need of lights in the section bounded by Pachappa and Chicago avenues and Blaine and Moody streets. In this district it is proposed to establish single light ornamental post lights. The matter has already been called to the attention of the City Council by Councilman Strickler, who is interested in the proposed system. After considerable discussion the Council ordered the City Engineer to prepare a map of the proposed lighting district.

Contracts Awarded.

SCHOOL, 1 story and base, brick, \$48,749. Los Angeles, Cal. Architect, R. C. Farrell, Architectural Department Board of Education, L. A. Owners, City of Los Angeles. Contractors, The Merchants' Realty and Investment Co., Van Nuys Bldg., L. A. Contract price, \$18,719.

BANK AND OFFICES—2 story and base, brick and steel, \$30,000. Hermosa Beach, Los Angeles Co., Cal. Architect, L. B. Pemberton, Auditorium Bldg., L. A. Owners, First Bank of Hermosa Beach. Contract price, \$30,000.

PORTLAND AND OREGON

FACTORY—2 story and base, reinforced concrete, \$69,000. Portland, Ore. Architects, Jacobberger & Smith, Board of Trade Bldg., Portland. Owners, Coin Machine Co., T. J. Potter, President, Portland. The building will be erected in the Holgate Addition. The building will be of fireproof construction and will cover a large ground area. Interior will be finished in pine. Plans show metal window sash and frames and a large freight elevator. Exterior of the building will be faced with cement plaster. Plans are now being prepared.

SCHOOL—2 story and base, semi-fireproof construction, \$20,000. Salem, Ore. Architect, George R. Post, Salem. Owners, City of Salem. The building will contain eight class rooms, principal's office and teachers' rooms. Interior will be finished in pine throughout. Maple floors will be used in the class rooms. A fan system of heating will be installed. Exterior of the building will be faced with pressed brick. Plans are now being prepared.

APARTMENT HOUSE—5 story and base, brick and steel, \$100,000. Port-

land, Ore. Architect, R. F. Wassell, 204 East 15th street, Portland. Owners, R. F. Wassell, A. C. Going and D. B. McBride. The building will be erected at the corner of 18th and Couch streets and has been designed to contain sixty suites of two, three, four and five rooms. All apartments will have wall beds and private bath rooms. Interior finish will be of pine and hardwood with hardwood floors in the living and dining rooms and reception halls. There will be steam heat, hot water supply, vacuum cleaning and elevator service. Marble and tile wainscot will be used in the entrance. Bath rooms will be finished in tile. Exterior of the building will be faced with a light pressed brick. Plans are now being prepared.

COURT HOUSE—2 story and base, reinforced concrete, \$100,000. Grants Pass, Ore. Architect, E. E. McClaren, Lumber Exchange Bldg., Portland. Owners, Josephine County. The building will be designed in the classic style and will be fireproof with reinforced concrete walls and floors, hollow tile interior partitions and metal window sash and frames. The basement will contain the jail, storage space, heating apparatus and jailor's quarters. The main floor will be arranged for the county and State officials and the Circuit Court rooms. All offices will have fireproof vaults. Interior of the building will be finished in pine and hardwoods with tile floors in the corridors. Plans provide for steam heat, vacuum cleaning and central time clocks. Exterior will be faced with pressed brick, terra cotta and granite. Plans are now being prepared.

WAREHOUSE—4 story and base, brick, \$90,000. Portland, Ore. Architects, MacNaughton & Raymond, Title and Trust Bldg., Portland. Owners, Blake-McFall Paper Co. The building will be erected on property at the east end of the Burnside bridge, and will cover a large ground area. There will be offices besides the warehouse and shipping rooms. Interior will be finished in pine throughout. Plans provide for steam heat, two large freight elevators, metal window sash and frames and fireproof doors. Automatic sprinklers will also be installed. Exterior of the building will be faced with stock brick. Plans for the excavating, piling and foundation work are complete and out for figures. Bids for the superstructure will be called for shortly.

POST OFFICE—3 story and base, fireproof construction. Cost not stated. Pendleton, Ore. Architect, Supervising Architect Oscar Wenderoth, Washington, D. C. Owners, United States Government. The building will cover an area of approximately 5,500 square feet and will be of fireproof construction. Interior finish will be of pine and hardwood. There will be steam heat, a hot water supply, vacuum cleaning and metal window sash and frames. Special fireproof vaults will be installed. Exterior of the building will be faced with pressed brick, terra cotta and cut stone. Plans are complete and figures are being taken. Bids will be opened on March 25th. Plans can be secured from either the Supervising Architect or the Custodian of the site. An official proposal appears in another column of this issue.

Contracts Awarded.

POST OFFICE—2 story and base, stone, steel and brick, \$79,658. The Dalles, Ore. Architect, Supervising Architect Oscar Wenderoth, Washington, D. C. Owners, United States Government. Contractor, George Isaackson, 1013 East Irving street, Portland. Contract price, \$79,658.

SEATTLE AND WASHINGTON

ROAD CONSTRUCTION—\$80,000. Seattle, Wash. Engineer, County Surveyor Denton, Seattle. Owners, Kings County. Plans have been completed by County Engineer Denton for the construction of the ten-mile section of road between Renton and Issaquah, which will cost about \$80,000. The condemnation proceedings have not as yet been completed, so that it will probably be thirty days before the work is advertised for bids.

BRIDGE—Steel and reinforced concrete, \$1,744,831. Vancouver, B. C. Engineer's name not given. Owners, Province of Vancouver. Contractors, A. P. Turner and The Western Foundation Co., Vancouver. Contract price, \$1,744,831. Note: This contract covers the construction of the Second Narrows bridge.

GAS PLANTS—4, 1 and 1 story, brick and concrete, \$250,000. Aberdeen, Wash. Engineer, Engineering Department Gas Service Corporation of America, Auburn. Owners, Gas Service Corporation of America. Preliminary plans have been drawn for four gas factories in Chehalis County to cost \$250,000, and will be built by the Gas Service Corporation of America of Auburn, Wash. The first of the new plants will be built at Montesano to cost \$40,000. Work will be started on this plant immediately. The three other plants will cost and be located as follows: Aberdeen plant to cost \$80,000; Hoquiam, \$60,000, and Elma, \$40,000. Under the terms of the franchise all plants are to be in operation January 1, 1916.

HOSPITAL—4 story and base. Class A construction, \$250,000. Walla Walla, Wash. Architect, Robert F. Tegen, Morgan Bldg., Portland. Owners, St. Mary's Hospital, Walla Walla. The architect has just been commissioned to prepare the plans and details of construction have not been received. Further mention will be made of the work as the plans progress.

SCHOOL—2 story and base, brick and concrete, \$47,000. Everett, Wash. Architect, W. W. Hastings, Everett, Wash. Owners, Everett School District No. 24. The building has been designed to contain eight class rooms, an auditorium and departments for domestic science and manual training. Interior will be finished in pine. Maple floors will be used in the class rooms. There will be steam heat, modern school plumbing, vacuum cleaning and program clocks. Exterior of the building will be faced with pressed brick. Plans are complete and figures are being taken. Bids will be opened on March 15th. Plans and specifications can be secured from the architect.

SCHOOL—2 story and base, reinforced concrete, \$15,000. Warden, Wash. Architect, W. W. Hastings, Everett, Wash. Owners, Warden School District. The building will contain six class rooms and an assembly hall. Interior will be finished in pine with maple floors in the class rooms. Plans provide for steam heat, modern school plumbing and program clocks.

Exterior of the building will be faced with cement plaster. Plans are complete and figures are being taken. Bids will be opened on March 20th. Plans and specifications can be secured from the architect.

THEATRE—1 story and base, reinforced concrete, \$35,000. Bremerton, Wash. Architect, Max Umbrecht, Rector Hotel, Seattle. Owners, Oswald & Rantz. The building will be erected on Burwel avenue near Pacific and will have a seating capacity of 750 people. Interior will be finished in pine and ornamental plaster. Construction will be fireproof throughout. Plans provide for steam heat, vacuum cleaning, special electric work and a modern system of ventilating. Exterior will be faced with cement plaster. Plans are complete and figures are being taken.

THEATRE—2 story and base, reinforced concrete, \$45,000. Walla Walla, Wash. Architect, George B. Purvis, Northern Bank Bldg., Seattle. Owners, Crews Amusement Co. The building will be of fireproof construction with reinforced concrete floors, walls and roof slabs. The main auditorium and balcony will have a seating capacity of 1,200 people. Interior finish will be of pine and ornamental plaster. There will be steam heat, vacuum cleaning, a modern system of ventilation and special electric work. Metal window sash and frames will be used. Exterior of the building will be faced with cement plaster. Plans are complete and figures are being taken.

Contracts Awarded.

COLD STORAGE WAREHOUSE — 7 story and base, reinforced concrete and tile, \$110,000. Seattle, Wash. Engineer, Port of Seattle Commission, Seattle. Owners, City of Seattle. Contractors, Harrigan & Peters, Oriental Bldg., Seattle. Contract price, \$110,000.

WAREHOUSE AND LOFTS—3 and 7 story and base, reinforced concrete, \$50,000. Seattle, Wash. Engineer, H. Bittman, White Bldg., Seattle. Owner, E. Simpson, Haller Bldg., Seattle. Contractors, Coast Construction Co., 2500 First avenue, Seattle. Contract price, \$50,000.

WATER SYSTEM, DAM AND PIPE —\$98,612. Vancouver, B. C. Engineer's name not given. Owners, City of West Vancouver. Contractors, Vancouver Plumbing and Heating Co., Vancouver. Contract price, \$98,612. This contract covers the construction of a reinforced concrete dam 112 feet long and 28 feet high, 320 feet of timber trestle and 18 miles of pipe.

NEW NAVAL STORES OFFICE FOR GUAYAQUIL.

[Consul General Frederic W. Goding, Guayaquil, Ecuador, Dec. 30.]

Under the management of the captain of the port, a naval stores office, "Almacen de Marina," is being organized in Guayaquil to provide stores for the vessels belonging to the Ecuadorian Navy. The manager is empowered to purchase a supply of all materials and stores required, and to regulate the distribution of them to the several national vessels, on requisitions prepared by the quartermasters; he also will have on file inventories of all existing materials and supplies.

American manufacturers desiring to take advantage of this opening should address direct "El Almacen de Marina, Guayaquil, Ecuador," in Spanish, and not through this consulate.

BONDING DECISION.

The recent decision of the Supreme Court of Washington in a Tacoma surety bonding case, finding that the bonding company is responsible for all debts incurred by the contractor in the erection of a building, has caused the Maryland Casualty Company to refuse to issue any bonds in the State on public or private projects, requiring a clause similar to that involved in the Tacoma case. The clause passed on by the Supreme Court says: "That the party of second part (referring to the bonding company) will pay all just debts, dues and demands incurred in the performance of said work." The superintendent of the Maryland company says: "The court construed this as including all moneys borrowed for the purpose of completing the work, whether actually used in the work or not. Under this ruling the contractor might borrow money for use on the work and then devote it to some other purpose entirely, but still the surety bond would be liable."

ARCHITECTS AND BUILDERS REPRESENTED.

New Orleans Association of Commerce Gives Liberal Representation to Members of Building Fraternity.

The architecture and building fraternity has been given liberal representation on the Board of Directors of the New Orleans Association of Commerce in developing a new economic era in New Orleans and Louisiana. Two of the leading architects of that city, Allison Owen of Diboll & Owen, and Charles A. Favrot of Favrot & Livaudais, were recently elected members of the Board of Directors of the New Orleans organization, and Ernest Lee Jahncke of the Jahncke Navigation Company, building materials, has been elected Vice-President.

The New Orleans Association of Commerce is one of the five largest commercial organizations in the United States, and is very influential. In the opinion of the architects and builders of New Orleans, Messrs. Owen, Favrot and Jahncke's selection was a fitting recognition of the interest these gentlemen have taken in the broader phases of civic work and community upbuilding.

ELEVATOR RESTORED.

The great million-bushel concrete elevator of the Canadian Pacific Railway at Transcona, near Winnipeg, Manitoba, which sank in the soft earth and listed partly over, in October, 1913, is now straight again. Engineering details of the great feat of restoring it to an upright position on a permanently stable foundation, were worked out by the C. P. R. engineers at Winnipeg; and the task of restoration was complete in October of the present year. It is remarkable that in bringing the huge mass of 20,000 tons to a vertical position, there was not so much as a tiny crack made in the structure. It now rests on 70 concrete piers, which go down to bedrock, and it is in better shape than it was before.

RAILWAY TIES IN CANADA.

A total of 18,881,714 cross-ties were purchased by the steam and electric railways of Canada during 1913, according to a Forestry Branch Bulletin. In 1912, a total of 21,308,571 ties were purchased. Of the 1913 total 39.1 per cent were of jack pine; 12.3 per cent, white cedar; 12.2 per cent, Douglas fir; 6.2 per cent western larch; 6 per cent hemlock; 5.7 per cent, hard pine; 4.9 per cent, oak; 4.4 per cent tamarack; and small percentages of western hemlock, spruce, chestnut, red cedar, red pine, beech, birch, maple, elm, ash and cherry.

AN ICE DRYDOCK.

An army engineer once gave a demonstration on the Lake of the Woods, on the Canadian border, of the old saying that an engineer is a man whose business it is to do a task at half the cost others would incur. A dredge locked in the ice needed repairs nearly three feet below the water line. The surrounding ice at the time was nearly two feet thick. A trench eighteen inches deep was cut in the ice round the dredge. The next night the cold froze an inch or two of ice directly under this trench, and on the day following another inch of ice was dug out of the trench. Day after day an inch of ice, more or less, was chipped out of the trench, according to the intensity of cold on the preceding night. In a month the trench was nearly three feet deep, with a safe block of ice beneath it. Repairs to the hull were then easily made.

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Send for catalog to Bois Patent Rolling Window Screen 477-79 Sixth St., San Francisco.

FOREST NOTES.

It is estimated that the government's Grand Canyon game refuge, in Arizona, now contains about ten thousand deer.

More than nine million young trees and ten thousand pounds of seed were planted on the national forests in 1914.

The government built more than two thousand miles of trail and three thousand miles of telephone line on the national forests in 1914.

At least 25 per cent of the larch timber over large areas in eastern Oregon has been killed or weakened by mistletoe, and the forest service is taking steps to combat the pest.

OVER 65 YEARS' EXPERIENCE

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(Continued from Page 7.)

profuse French Language expressing his thanks to the S. F. Chapter of Architects of San Francisco for the honor bestowed upon him, his Nation and the Architecture of his Native land, while over 50 of the leading Architects of San Francisco and Bay Cities bowed their heads to France for their guidance in Architectural development.

President Faville continued: "As Guests this evening we are pleased to have with us Mr. Takeda and Mr. Ito from the Kingdom of Japan, representatives sent to the Panama-Pacific International Exposition to erect their pavilion and to create the garden so expressive of the land of the Cherry Blossom.

They are emissaries from the land which borders the Pacific Ocean and neighbor across the sea. From a land where the sense of color value is so far ahead of that of our expression. A country full of most delicate sentiment of line used both for form and shape. A land of exquisite refinement in the useful things of life which they make beautiful. Their countries are

is doubly interesting to us just now that we are finishing the most daring and voluminous scheme in the Architectural development of America. It is with interest that we shall hear remarks by these illustrious men.

The President then called upon Mr. Takeda of Japan and Mr. B. Ito, representing Mr. Takeda, in an able way addressed the meeting and expressed his appreciation in being honored by the Architects of San Francisco and dwelt on the land question in California respecting Japan and sized it up as Japan not understanding the good will of the Government of the United States. He was here to learn all he could of the characteristics of our people.

Mr. Faville then called upon Mr. J. C. Morrel, of Australia.

Mr. Morrel told of how Australia was reaching forth for knowledge in Architecture and how the Australian Government was sending men to this Nation, as well as others, for information of vital interest along the lines of Architecture. Also of how great irrigation projects were in the making in Australia and how farms and cities are to be built along particularly inviting lines to the settler who is looking for opportunities.

Mr. Faville told how when San Francisco was laid in ashes that Architects were advertised for in the East and how the Easterners chartered trains to bring Architects to build a new City, but that when they got here there was nothing in sight. And while Mr. Morrel has pictured the building of great cities in Australia and the wonderful Architectural opportunities, warn the Architects not to bite at this bait. The banquet then adjourned.

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Pope & Talbot
Reinhart Mill & Lumber Co.
Ryan, George
Santa Clara Valley Mill & Lumber Co.
Santa Fe Lumber Co.
S. F. Lumber Co.
Schouten & Co., J. W.
Sunset Lumber Co.
Tierman & Beronfe
Van Arsdale-Harris Lumber Co.
Wilson Bros. & Co.
Wood Lumber Co., E. K.
Wright, Jr., Wm.
- Magnesite Flooring.**
Artollth Mfg. Co.
Bender R.&P. Co.
Dwan & Co., J. M.
Firestone & Roofing Co.
Flaherty R.&P. Co. R. H.
Goodmanson, A. K.
Malott & Peterson
Watsonite Co.
- Mantels, Tiles & Grates.**
General Building Work Co.
Ginsberg Bros.
Mangrum & Otter
Peerless Agencies Co.
- Marble and Mosaic Work.**
General Building Work Co.
Gnecco, M. H.
Grassi & Co., P.
Mission Concrete & Mosaic Wks.
Mission Marble Works.
Musto Sons-Keenan Co.
New Era Marble & Concrete Co.
Teltz, Francis E.
Tomagnini & Co., G.
Vermont Marble Co.
- Metal Lath.**
Atlantic Fireproofing Co.
Berger Mfg. Co.
Holloway Metal Lath Company.
- Waterhouse & Price.**
Western Builders' Supply Co.
- Metal Stamping.**
S. F. Metal Stamping & Corr. Co.
U. S. Metal Products Co.
- Notary Public.**
Duncan, A. M.
- Oils and Greases.**
Standard Oil Co.
Union Oil Co.
- Ornamental Plastering.**
Benkman, Ed. G.
- Painters and Decorators.**
Baker Co., W. T.
Bell, Wm. J.
Bernstein, Wm.
Blum, Louis
Brown, J. L.
Burns Bros.
Clark & Dickson
Cramer Bros.
Conlin, J. J.
Coppick, T. W.
Dahl, T. H.
Donovan, V. J.
Hansen, Elbing A.
Johnson, C.
Kissel, Isidor
Miller, J. A.
McCubbin, James
Manning, John
Neal, L. J.
Progressive Painting Co.
Quandt & Son
Ruderman, I.
Simon Neilson Co.
Smith, J. S.
Sovig, C. B.
Trask, C. R.
Walt, Mayer
Wagner, Fred
Wagner Bros.
Zelinsky, R.
- Paints, Oils Varnishes, Etc.**
Clark & Dickson
Cohn & Co., Marion D.
Fuller Co., W. P.
O'Brien, J. S.
Paint Products Corporation
Paraffine Paint Co.
Pratt & Lambert
Whittier - Coburn Co.
- Patent Chimneys.**
Clawson Co., L. E.
Dresser - McDon Hughes, H. J.
- Pile Driving.**
Lamburth, C. E.
- Paving Brick.**
Cal Brick Co.
- Planing Mills.**
Acme Plgn. Mill
Anderson Bros.
Atlas Planing Mill Co.
Builders' Supply Depot
Cal. Door Co.
Cal. Planing Mill.
Emanuel, L. & E. (Inc.)
Empire Planing Mill
Hart & Burmeister
Hermann, A.
Herring's Mill
Holden - Deuprey Co.
Lorden Mill Co., J. P.
Main St. Planing Premus Planing Mill
Reinhart Lumber & Planing Mill
Ryan, George
- San Mateo Planing Mill.**
Santa Clara Valley Mill & Lumber Co.
Spencer St. Planing Mill
Taylor & Co.
Western Planing Mill
Veyhle & Collins
- Plasterers.**
Bosch, Herman
Bradley & O'Reilly
Brennan, James
Campbell, Chas.
Campbell & Williams
Connell Co., J. E.
Daly, J. H.
Duthie, Chas.
Gilmour, W. G.
Jones, Francis
Kaiser, Jos.
Leaf, Al.
MacGruer & Co.
Mellon, Thos.
Modica, S.
Mowat Donald
Philbin, J. J.
Sexton, T. D.
Terranova Bros.
Wagner, James A.
- Plumbing and Gas Fitting.**
Band, S. W.
Bernard, Geo. F.
Dunn, Neil H.
Goss, Wm. P.
Grundy, Ed.
Houston, J. J.
Kara, F. E.
Klennan & O'Brien
Lacey, E. V.
Lauder, H. I.
Lawson, Herman
Lettich, Antone
Lettich, J. M.
Looney Co., J.
May, Gus
McLeod, J. J.
Penkerton, J. H.
Skelly, Thomas
Snook & Co., Fred W.
Turner Co., The
Wetzel, Theo.
Wilson & Co., W.
- Plumbers Supplies.**
Kinney Co., R. W.
Mark-Lally Co.
Mueller Mfg. Co., H.
Nelson Mfg. Co.
Pac Sanitary Mfg Co.
Paragon Brass Mfg. Co.
- Radiators.**
American Radiator Co.
- Railway Materials.**
Orenstein - Arthur Koppel Co.
- Rigging.**
Lamburth, C. E.
- Roofing, Gravel & Composition.**
Bender Roofing & Paving Co.
Cantley & Co., J.
Enterprise Roofing Co.
Flaherty, R. H.
Keene Co., R. E. G.
Lawson Roofing Co.
Lewis, W. S.
Malott & Peterson
Rapheld Roofing Co.
Samuel Co., H. D.
Watsonite Co.
Western Asbestos
Magnesia Co.
Western Felt and Refining Co.
- Roofing (Slate & Tile.)**
Graham, R. G.
Klatt, R. J.
White, Ed. A.
- Firestone & Roofing Co.**
- Roofing Materials.**
Johns - Manville Co., H. W.
Paraffine Paint Co.
Waterhouse & Price
Western Asbestos
Magnesia Co.
Western Builders' Supply Co.
Whittier - Coburn Co.
- Sand, Gravel, Etc.**
Bay Develop. Co.
Cal. Building Material Co.
McMullin Bros.
Stone Co., E. B. & A. L.
Western Development Syndicate.
- Sanitary Garbage Chutes.**
Bill & Jacobsen
- Sand Blasting.**
McDermott, W.
- Sheet Metal Wks.**
Amsler Sheet Metal Works
Appman Cornice Works
Atlas Heating & Ventilating Wks
Capitol Sheet Metal Works
Comyns & Nygren
Cronan, Wm.
Crown Cornice Works
Elite Sheet Metal Works
Forderer Cornice Works
G. & M. Sheet Metal Works
Guilfooy Cornice
Hibernia Sheet Metal Works
Hughes, H. J.
Ideal Cornice Wks
Korell & Co., J. A.
Modern Sheet Metal Works.
Morrison & Co.
S. F. Metal Stamping & Corr. Co.
U. S. Metal Products Co.
Western Furnace & Cornice Co.
- Sidewalk Lights.**
Jackson Co., P. H.
Dwan & Co., J. H.
Phoenix Sidewalk Light Co.
- Stair Builders.**
Bishop & Peralfo
Boller, John
Jacobsen, J.
Porter, W. F.
Stewart, J. K.
- Stationery.**
Foster & Short
Wright, J. H.
- Steel Bars.**
Baker & Hamilton
Dawson & Noyes
Woods & Huddart.
- Pacific Coast Steel Co.**
Soule Co.
- Steel Erector.**
Schauer, Fred C.
Pioneer Con. Co.
Williams Construction Co.
- Store Fronts.**
Kawner Mfg. Co.
U. S. Metal Products Co.
- Structural Steel Contractors.**
Central Iron Wks
Dyer Bros.
Judson Mfg. Co.
Pacific Structural Iron Works
Pac. Rolling Mills
Schraeder's Iron Works.
S. F. Iron Works
Western Iron Supply Co.
- Stoves.**
Mangrum & Otter
Steiger & Kerr

Structural Steel Contractors.

Brode Iron Wks.
Dwer Bros.
Golden Gate Iron Works
San Francisco Iron Works
Ralston Iron Wks
Vulcan Iron Wks.

Surveyors.

Morser, E. J.
Quimby, L. S.
Wetherell, Chas E

Teaming & Grading.

Branick, J. P.
Blanchini, G.

Federal Transfer & Draying Co.

Carlin Bros.
Devencenzi & Co., L.
Dillon Teaming Co.
Federal Transfer & Draying Co.
Harbor View Contract Co.

Hule Co., E. M.
Lennon Co., J. E.
Leffler, Fred
McGlinchey & Monahan
Montague Co., P.
O'Day Co., D.
Powers, Chas. J.

Sibley Teaming & Grading Co.

Star Contracting Co.
Wright Co., J. H.
Tilling.
Cal. Tile Contr.Co.
Ginsberg & Co., S.
Mangrum & Otter
Peerless Agency Co.

Vacuum Bill & Jacobson
Hughson & Merton Co.
Schaer Bros.
Stevens Co., Frank A.

Hyde Henry C. United Elec Co.

Wall Beds.
Marshall - Stearns Co.
Water Company.
Spring Valley Water Works.

Whitewashing.
Brickley, P. J.
Reigle & Jamelson
Taylor, L. A.

Window Cleaning.
American Window Cleaning Co.

Windows. Patent.
Simplex Window Co.

Central Electric Co.

City Electric Co.
De Law, M. A.
Decker Electric Co
Globe Elec. Co.
Levy Elec. Co.
Elevators.
Otis Elevator Co.
Van Emon Elevator Co.

Fibre.
S. F. Fibre & Cordage Co.
Fireproof Doors.
Norris, L. A.

U. S. Metal Products Co.

Floor Sanding.
Inlaid Floor Co.
Pacific Floor Sanding Co.

Grill Work.

Cal. Art Metal & Wire Works.
Merle Co., A.
Sartorius Co.
Withington, C. W.
Gen. Contractors.
Andrus, R. C.
Brigham, H. B.
Brockhage, Foley & Green
Caldwell & Co.
Cereghino & Son, Louis

Currie & Currie
Dempiak Bros.
Farquharson, D. B.
Fluth, J.
Fraser & Fraser
Graham, D. E.
Griffith, Wm.
Hannah, J. D.
Hannah & Co. J.S.
Hayes, W. W.
Jackson, A.
Kuykendall, J. O.
Mallev, Edward.
Matthies, Henry
Peacock, John
Schnebley, Host-trawser & Ped-griff

Glass and Glazing

Cal. Plate & Window Glass Co.
Cohen, I.
Cobbledick-Kibby Glass Co.
Friedman Bros.
Fuller, W. P. & Co.
Habenicht & Howlett
Holland, J. P.
Schwarz & Gottlieb (Inc.)

Grading & Teaming.

Dillon, D.
Eureka Teaming Co.
Fay, S. J.
Greenwalt, C. J.
McClure, H. N.
Wilhelm, A. H.
Wilkie Co., A.
Williams, F. A.
Wright, Chas.
Monarch Teaming Co.
Sibley, L. B.
McLenehan, S. B.

Granite.

Bradbury, Thos.
Cal. Granite Co.
De Lano & Sons, I. L.
Hunt, A. T.
Raymond Granite Co.

Hardware.

Joost Bros.
Kruse, J. H.
Lorenz, Schffauer & Co.
Meyer, A.
Palace Hdq Co.
Heat and Light.
Pacific Gas and Electric Co.

Heating & Ventilating.

Burnham Plumbing & Heating, Inc.
Cronan, Wm.
Mangrum & Otter
Montague, W. W. & Co.

House Moving & Raising.

Blume Cont'g Co.
Pearson, E. K.
Sullivan, D. J. & T.
Inlaid Floors.
Hardwood Interior Co.
Inlaid Floor Co.
Pacific Floor Sanding Co.

Iron Works.

Lorenz, Schffauer & Co.
Michaels & Pfeiffer
Monarch Iron Works.
Pacific Rolling Mill Co.
Pacific Struct. Iron Works.
Joint Hangers & Post Caps.
Kortick - Falls Mfg Co.
Lilley & Thurston Co.
Lorenz Schaffer & Co.
Western Builders' Supply Co.

Kawneer System Store Fronts.

Falls Mfg. Co.
Lilley & Thurston Co.
Light and Power
City Electric Co.
Pac. Gas & Electric Co.

Lime, Cement, Etc

Acme Cement Plaster Co.
Arden Plaster Co.
Cowell Lime & Cement Co.
Holland, J. P.
Holmes Lime & Cement Co.
Lennon, Jas. E.
Lucas, W. E.
Pacific Bldg. Material Co.
Pac Lime & Plaster Co.
S. F. Lime Co.
Shasta Lime Products Co.
Western Building Material Co.
Western Lime & Cement Co.

Lumber.

Acme Lumber Co.
Christenson Lumber Co.
Hardy, Jas. H., Inc.
Hart-Wood Lumber Co.
Humboldt Lumber Co.
Hauptman Lumber Co.
Hooper Lumber Co.
Kruse, J. H.
Loop Lumber Co.
Macdonald Lumber Co.
Moore, R. B. Mill & Lumber Co.
National Mill & Lumber Co.
Olsen Mahoney Lumber Co.
Pope & Talbot.
Santa Fe Lumber Co.
Schouten Lumber Co.
Tiernan & Bero-nis
Van Arsdale-Harris Lumber Co.
Wilson Bros. & Co.
Doe Co., F. P.
Lumber (Hardwood.)
Dieckmann & Co.
Howard, E. A. & Co.
Niehaus, Ed. F. & Co.
White Bros.
S. F. Lumber Co.
Machinery.
Harron, Rickard & McCone.

OFFICIAL LIST OF MEMBERS**BUILDERS' EXCHANGE**

OF SAN FRANCISCO

180-188 JESSIE STREET

PHONE KEARNY 4700

OFFICERS AND DIRECTORS.

President, H. Maundrell.
Vice-President, E. J. Brandon.
Treasurer, C. W. Withington.
Secretary, R. J. H. Forbes.

Financial Secretary, S. A. D. Schenck.
Ass't Secretary, W. J. Carberry.
Doorkeeper, B. R. Wolcott.

DIRECTORS

H. Maundrell
E. J. Brandon
C. W. Withington
R. J. H. Forbes
R. A. Chisholm
Robert Dewar
Alexander Mennie
James Young

Chas. McDonzell
Fred P. Fischer
J. D. McGilvray

MEMBERS.**Architectural Iron Works**

Acme Iron Works.
Bay City Iron Works.
Brode Iron Works
Central Iron Wks.
Dyer Bros.
Eureka Iron Wks
Kell Iron Works
Kortick - Falls Mfg Co.

G. G. Structural Iron Works.
Hillard, C. J. Co.
Judson Mfg. Co.
Mortenson Cons. Co.
Michaels & Pfeiffer

Phoenix Iron Wks
Ralston Iron Wks
Lorenz Schaffer & Co.

Scneider Iron Works.
St. Francis Orn. Iron Works
Telger & Kerr Stove & Foundry Co.
Vulcan Iron Wks.
Western Iron Wks
Withington, C. W.

Art Glass.

Ingerson & Glaser Co.

Blacksmith.

Paul Kleiber

Bonds.

Costello, J. T.
Aetna Life Ins. Co
Boole, F. W.
Empire State Surety Co.
Fidelity & Deposit Co. of Maryland
Gais, M. A.
Guyett & Co., R. G.
Hillman & Son, J. R.
Jones, Edward M.
Lawton, A. F.
Lloyd & Spengler
MacMeans, H. V.
Pacific Coast Casualty Co.
Perley, A. E.
Smith, Leo J.
United States Metal Products Co.
United States Fidelity and Guaranty Co.

Brick and Pottery.

Bay Development Co.
Cal. Brick Co.
Carey, J. E.
Carnegie Brick & Pottery Co.
Carquinez Brick & Pottery Co.
McNear Brick Co., E. B.
Peterson - Kartschoke Brick Co.
Remillard Bk. Co.
Sacramento Trans. Co.
Stelger T. C. and Pottery Wks.
Thermos Brick Co.

Building Material.

California Building Material
City Supply Co.
Fernald Co., The
Kortick - Falls Mfg Co.
Holland, J. P.
Howard Co.
J. E. Lennon.
Johns-Manville Co.
Pacific Bldg. Material Co.
Pacific Refining & Roofing Co.
Parrott & Co.
Paraffine Paint Co.
Pratt Building & Material Co.
United Material Co.
Waterhouse & Price Co.
Western Bldgs' Supply Co.

Cement Dealers

Balfour, Guthrie Co.
Cowell Lime & Cement Co.
Holmes Lime & Cement Co.
Holland, J. F.
Maynard, Jr., J. L.
Meyer, A.
Pacific Portland Cement Co.
Western Building Materials Co.
Standard Portland Cement Co.

Clay Products.

Cal Brick Co.
Stanquist, Edward

Concrete.

Chase, Silas A.
Camp & Carillon.
Duncanson, Harrelson Co.
Foster & Vogt.
Goodman Artificial Stone Co.
Haun, C. C. W.
Leonard, J. J.
Lynch, A.
Pasqualetti, J.
Petersen, H. L.
Sartorio, Charles
Stanquist & Forbes
Zimmerman, L. M.

Concrete Reinforcement.

Pacific Building Material Co.

Contractors & Builders.

Allen, Alex. M.
Anderson, W. W.
Arthur, L.
Boring, F. H.
Born & Son, S. A.
Brady, C. A.
Braunton Bros.
Burdick, Wm. A.
Caldwell & Co.
Cameron & Diss-ton.
Cavanaugh, Thos. A.

Chisholm, R. A.
Cobby, J. W.
Coburn, I. W., Inc.
Concannon, W. N.
Conrad, H.
Creghino & Son, Lewis
Davis & Son, T. E.
Dewar, R. & Son.
Elam, Thos. & Son
Elliott, E. W.
Fahy, R.
Fischer, Fred.
Franz, Val.
Gillespie, G. G.
Gallagher, Frank.
Gardiser, Florent.
Greig, Robt.
Hansbrough Bros.
Healey - Tibbits Con Co.

Hinson, L. A.
Hill, J. A.
Holm & Son.
Howkins, A.
Ingerson, C. A.
Jacks, H.
Jones, Paul
Jones, W. G.
Kent, S. H.
Knowles & Reicheley.
Letter, E. T. & Sons.
Lynch, M. C.

Contracting Lather.

Hayden, Fred
Lynch, Richard
Snell & Dennis
Raymond, W. H.
Curbless, Granite.
McLenehan, S. B.

Damp Proofers.

Brickley, P. J.
Reigle & Jamison

Door Openers.

Rischmuller, Geo.

Electrical.

American Electrical Engineering Co.
California Electrical Works.

Masow & Morrison
Mathews Con. Co.
Mathies, H. C.
McBain, J.
McKillican, R and Wm.
McLachlan, Thos.
Miller, Adam.
Moller, R. W.
Morey, H. B. & Son
Owsley, B. T.
Penny, Isaac.
McLeran & Peterson.

Robinson & Gillespie.

Simmen, John.
Smith, J. W. & Son
Spence, A. T.
Stockholm & Allyn.
Terrill, G. C.
Vezina, L. N.
Warwick, H. C.
Buller, Thos.
White Bros. (carpenters).

Cornice Works.

Amsler, C. S.
Berger Mfg. Co.
Capitol Sheet Mtl. Works.
Comyns & Childers.
Conlin, J.
Cronan, Wm.
Forderer Cornice Works.
Gulffoy Cornice Works.
Appmann Cornice Works.

Heidt, Wesley.

Morrison & Clark.
S. F. Cornice Co.
Western Furnace & Cornice Wks.

Contracting Lather.

Hayden, Fred
Lynch, Richard
Snell & Dennis
Raymond, W. H.
Curbless, Granite.
McLenehan, S. B.

Damp Proofers.

Brickley, P. J.
Reigle & Jamison

Door Openers.

Rischmuller, Geo.

Electrical.

American Electrical Engineering Co.
California Electrical Works.

Masons & Builders

Alexander, R.
Allen, C. J.
Anderson & Ral-
ney.
Arlett, A.
Beck, A.
Brady, M. V.
Brady, O. E. & Son
Brandon, E. J.
Brennan, J. E.
Brigham, H. B.
Butcher, Thomas
Butcher & Hadley
Byron, D. J. & Son
Campbell Bros.
Carr, J. W.
Drake, Harry E.
Downey, J.
Farrell & Reed
Fennell, Jas.
Gale, M. F. & Son
Gilson, J. E.
Harrison, A.
Hibbins & Barker
Hock, Chas.
Hoffman, V.
Hogberg & Lud-
wig
Larsen, H. H.
Lawson, A. W.
McGowan, M.
Miller, J. W.
Murray & Mow-
bray.
Mulcahy Bros.
Nagel, W. L.
McGowan, M.
Miller, J. W.
Murray & Mow-
bray.
Mulcahy Bros.
Nagel, W. L.
O'Connor, J. J.
O'Rourke, T. F.
Scott Co.
Rainey & Phil-
lips.
Reed & White
Ringrose, R. & Son
Scott, W. S.
Walker, P. J.
Watson, Sage
Watson, Sidney
Whitney & Davies
Wilson, James A.
Wygant, J. H.
Marble.
American Marble
& Mosaic Co.
Columbia Marble
Co.
Crassl, Peter, Co.
Hunt, Andrew T.

Maino, F. L. & Co.
Musto & Sons, Jos
Keenan Co.
Vermont Marble
Co.

Mantels, Tiles

Grates.
Ginsberg & Co., S.
Holloway Ex-
panded Metal
Co.
Kirwin & Dono-
van.
Mangrum & Otter
Montague & Co., W.
Peerless Agencies

**Metal Furring &
Lathing.**
Holloway Ex-
panded Mtl Co.
Lynch, H. T.
National Lathing
and Furring
Northwestern Ex-
panded Metal
Co.

**Metal Window
Works.**
Dwan, J. E.
U. S. Metal Prod-
ucts Co.

Mortar.
Atlas Mortar Co.

Mosaic.
Amer. Marble &
Mosaic Co.
Maino, F. L. & Co.

Office Fixtures.
Bateman, Wm.
Forbes & Son, A. J.
Fink & Schindler
Co.
Simmen, John

**Ornamental
Plasterers**
Larson, O. F.
Woods, J. P.

Painters.
Daniels, Gus V.
Donovan, V. J.
Fraser, J. P.
Kuss, P. N.
Lewellyn, J.

Maundrell, H.
Spark, J. H.,
Neal, L. J.

Paint Burner
Paint (Damp Re-
sisting.)
Dwan Co. J. E.
Paints, Oils. Etc.

Bass - Heuter
Fuller & Co., W. P.
Kuss, P. N.
Maundrell, H.
Pacific Refining &
Roofing
Paraffine Paint Co
Whittier - Coburn
Co.

Patent Chimneys.
Clawson & Co., L.
E.
Dunlevy & Gettle
Dresser - McDon-
nell Co.
Cal. Pottery Co.

Paving Brick.
Cal Brick Co.

Planing Mills.
Anderson Bros.
Burnham - Stan-
ford Co.

Cal. Door Co.
Cal. Milling Co.

Elkington &
Hucke

Herring Mill (Inc)
Kendall, A.
Kruse, J. H.

Lorden Mill Co., J.
P.
R. B. Moore Mill &
Lumber Co.
National Mill &
Lumber Co.
Pacific Mfg. Co.
Reinhart Lumber
& Planing Mill
Co.

Reilly, P. F.
Santa Clara Mill
& Lumber Co.
San Mateo Plan-
ing Mill.
Searle & Hayman

Plasterers.

Blinner, Theo.
Bradley & Reilly
Carrick, M. H.
Chalmers, H. A.
(Inc.)

Clark, D. Ross.
Crichton, J. L.
Coghlan, Frank
Connolly, J. J.
Connell, J. E.
Fay, John
Felt, R. L.
Floodberg & Mc-
Caffery.

Fraser, Simon
Gregg & Clute
Gilmour, Wm. G.
Jacobsen, N.
Kaiser, Joe
Knowles A.

Leaf, A.
Lyden & Bickel
MacGruer & Co.
Mennie, Alex.
McCleod, J. C.
Morehouse, C. C.
O'Kane & Co., C. T.
O'Sullivan & Bow-
ler.

Smith, James F.

Plaster of Paris.
Nephi Plaster Co.

**Plumbing & Gas
Fitting.**

Ahlbach & Mayer
Bernard, G. F.
Burnham Plumb-
ing Co., Inc.
Danzel, E., Jr., Co
Giley-Schmid Co.
Levy, M.
Looney, J., Co.
(Inc.)
Snook & Co.,
Frederick W.
Turner Co., The

Real Estate.

Williamson Co., H.
Wittman - Lyman
Cross & Co.
Urban Realty
Impt. Co.

Riggers.

Blume Contract-
ing Co.
Pioneer Const. Co.

Crushed Rock.
Holland, J. P.
S. F. Bay Imp. Co.
Stone, E. B. & A. L.

**Roofing Composi-
tion.**

Artolith Mfg. Co.
Bender, J. W.,
Roof Co.

Fibrestone Roof-
ing Co.

Larkin Asphalt &
Paving Co.

Magnesia Asbes-
tos Supply Co.

Malott & Peterson
Johns - Manville
Co., H. W.

Meuer Bros. Co.
Pacific Refining &
Roofing Co.

Paraffine Paint Co.
The Thos. H.
Price Co.

Western Asbestos
Mag. Co.

Watson Roofing
Co.

Sand, Gravel, Etc.

Cassaretto, John
Holland, J. P.

Sanitary Flooring.

Artolith Mfg. Co.
Stone, E. B. & A.
L. Co.

Fibrestone Roof-
ing Co.

Sidewalk Lights.

Jackson, P. H. & Co.
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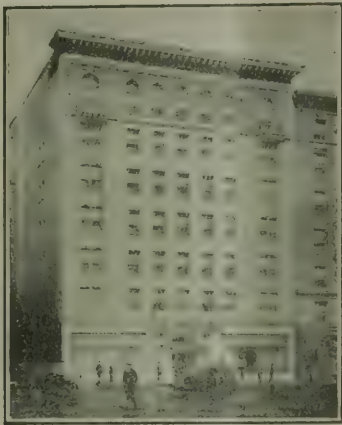
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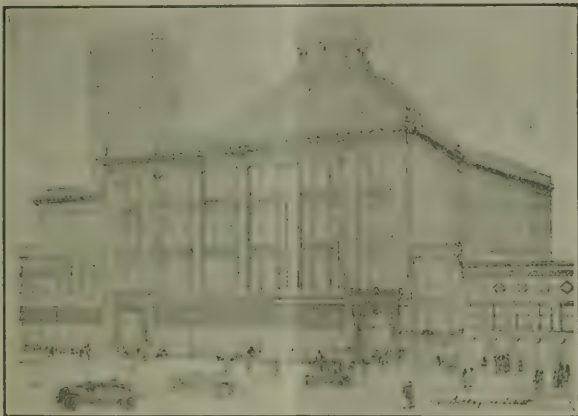
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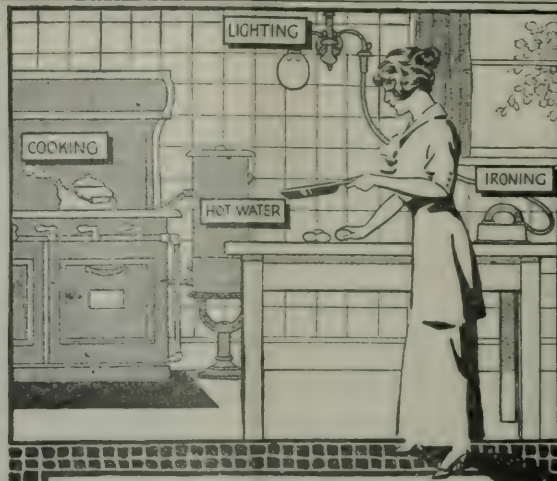
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Fifteenth Year, No 8



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Editorial Comment.

Building statistics for the month of January show a decrease over the same month of last year. Reports made to the American Contractor, Chicago, representing about 75 cities shows a decrease of some 25 per cent over the same month of last year. There has been an entire revolution in the world's business. The whole world is at war and the dire necessities of such a titanic conflict has upset the regular order of business. In the rural communities and the places that are profiting most by the demands of war the same conditions prevail. And altogether the record of the cities of the Pacific Coast is about as good as any that are reported. The following table gives the complete record, as reported: January, January,

City	1915.	1914.
Akron	\$ 52,635	\$ 138,150
Albany	340,290	149,065
Atlanta	273,796	322,965
Baltimore	480,095	1,796,351
Berkeley	83,750	59,750
Birmingham	72,178	250,230
Bridgeport	98,110	127,295
Buffalo	381,000	536,000
Cedar Rapids	168,000	384,650
Chattanooga	29,142	55,170
Chicago	4,327,900	4,784,300
Cincinnati	451,350	580,910
Cleveland	1,116,080	1,298,620
Columbus	85,100	178,740
Dallas	140,005	727,635
Dayton	30,000	84,785
Denver	177,635	229,320
Detroit	1,217,290	2,629,260
Duluth	90,155	237,610
East Orange	87,121	84,358
Evansville	69,050	70,236
Fort Wayne	35,100	35,350
Grand Rapids	80,072	341,240
Harrisburg	7,575	28,750
Hartford	139,265	191,750
Indianapolis	266,907	481,850
Kansas City	387,880	884,265
Lincoln	70,135	76,150
Los Angeles	860,360	1,182,246
Louisville	277,420	217,250
Manchester	18,317	78,445
Memphis	101,953	361,390
Milwaukee	203,649	471,858
Minneapolis	485,100	504,505
Montclair	80,861	19,612
Nashville	56,037	102,269
Newark	339,803	350,806
New Haven	132,155	264,320
New Orleans	146,909	204,051

New York City—

Manhattan	8,164,716	4,419,142
Bronx	2,108,668	1,410,252
Brooklyn	1,373,095	2,265,125
Queens	736,321	1,151,709
Richmond	149,356	80,514
Total	12,532,156	9,326,742
Oakland	291,859	257,786
Oklahoma	16,553	10,555

Omaha	165,075	180,440
Pasadena	74,779	128,807
Paterson	73,895	29,941
Peoria	17,600	182,200
Philadelphia	910,805	1,247,985
Pittsburgh	465,461	1,171,037
Portland	372,690	444,675
Richmond	159,840	233,534
Rochester	246,717	354,320
Salt Lake City	85,650	121,850
San Antonio	91,330	317,865
San Francisco	1,284,898	1,928,563
San Diego	238,895	257,786
San Jose	24,156	24,713
St. Joseph	12,380	48,500
St. Louis	1,094,673	854,122
St. Paul	699,258	514,312
Schenectady	827,650	36,105
Scranton	38,170	101,925
Seattle	408,585	1,206,580
Shreveport	46,326	184,500
Sioux City	24,950	75,125
Spokane	92,185	34,045
Springfield, Ill.	69,400	29,410
Stockton	24,040	22,425
Syracuse	219,715	107,365
Tacoma	59,598	109,103
Toledo	537,297	234,894
Topeka	18,270	63,010
Troy	100,014	19,345
Utica, N. Y.	109,905	43,600
Washington	470,328	461,760
Wilkes-Barre	34,634	103,109
Worcester	77,276	530,184

Total

The San Francisco Chronicle comments upon the legal advice that is being given the advisory committee of the Board of Supervisors on the water question when a number of private citizens have got a case to the Supreme Court and a decision rendered compelling the Spring Valley Water Co. to furnish an adequate supply of water to eight blocks in the Richmond District. The comment is certainly pertinent to the question of adequate service and the manner in which the City Attorney's office has handled the situation. No importunity could induce the City's legal adviser to bring such a suit, yet at the instance of a few private citizens a suit has been brought that the Supreme Court has decided in their favor.

So also in the telephone merger. Nothing has ever been done or is ever likely to be done to enforce the city's rights in the matter. Nor does the Chronicle or any other newspaper take up the matter or insist that better service be rendered.

What private interest the Chronicle may have in the matter does not appear. But it seems to be anxious that the railroad commission take charge of the regulation of the public service corporations. This is certainly a change from its old stand.

THE GAS ENGINE AND ITS USES.

By W. H. Edmonson.*

From the Isolated Plant.

Suppose we begin at the beginning and take a hurried glance at the theoretical side of the gas engine.

The unit horsepower is the work required to raise a weight of 33,000 pounds one foot high in one minute, and this amount of energy applied for one hour is one horsepower hour. While this is well known to almost everyone, I find the electrical K. W. not quite so clear in the minds of many gas men, though convertible into similar terms of pounds, feet and minutes. Being of more modern conception, it is defined in terms more conveniently applied to every-day practice. It is the product of the difference of potential expressed in volts (equivalent to pressure) multiplied by the quantity of current flowing in the circuit, divided by 1,000, the prefix kilo (thousand) making it more convenient to handle the large quantities, the base unit being the watt. When we say "one kilowatt" we mean a certain load applied, and if we add "hour," we mean that this energy of 1 K. W. strength has been delivered continuously for one hour. One H. P. hour is equal to about three-quarters of a K. W. hour. However, due to losses in converting mechanical power into electrical power, 1 indicated H. P. applied will deliver a little over 60 per cent of a K. W. to the switchboard.

Power is heat converted into mechanical energy. A quantity of gas with a proper proportion of oxygen or air, if exploded in a closed chamber, exerts a pressure much lower than is popularly supposed; so low, in fact, that the early gas engines using the gas at atmospheric pressure of about 50 pounds per square inch, a mean effective pressure of about 9 pounds, and consequently developed very little power. It was found, however (credited to Dr. Otto), that by compressing the charge of gas in air before it was ignited, a more powerful explosion would result, and consequently more power and greater economy. This led to the adoption of the Otto cycle, on which principle the majority of our modern engines are built.

All modern engines are based on the principle of compression. For various reasons this compression pressure is different in different engines, according to the fuel they are built for or the service for which they are to be used. Gases high in hydrogen spontaneously ignite if compression is carried to too high a point, while in using natural gas containing practically no hydrogen the compression can be carried much higher. With the weaker gases, such as producer and blast furnace, it is necessary to go even higher in order to secure complete combustion, economy and reliable operation.

There are various kinds of valves and valve gears in use. In some small engines the inlet valves are opened by suction, while in others all valves are operated mechanically. All modern

four-cycle engines use poppet valves for inlet and exhaust, though in some hit and miss engines the exhaust pressure is relieved by a port uncovered by the piston. Various modifications of the piston port idea are used in two-cycle engines.

There are two common forms of governors designed as hit and miss, and throttling. Hit and miss governors are operated by a weight or pendulum which, swinging with the strokes of the engine, acts on the inlet valve in such a way as to allow the engine to take full charge until it comes up to a certain speed, and then cutting off the gas altogether, allows to work to slow the engine down until it reaches a certain speed, when it commences to take explosive charges again. This causes quite a variation in speed. The throttling governor engine explodes each charge, but varies the force of the explosion by limiting the amount of gas admitted to the cylinder. This throttling produces three governing effects. It produces a partial vacuum, determines the compression pressure, and limits the amount of gas to the cylinder. Most engines are provided with water jackets to prevent the walls of the cylinder getting so hot as to interfere with lubrication.

Two systems of ignition are in common use on modern engines—the make and break system and the jump spark system. With the make and break system, a choke or spark coil is put in circuit with the igniter whose points are brought in contact by mechanical means. The igniter points are then separated and a current of high voltage is produced across the break by means of the induction in the spark coil. In the jump spark system, current is delivered to the coarse wire winding of an induction coil by means of a device called a timer mechanically operated by the engine. This produces a current of sufficient voltage in the fine or secondary winding to jump across the points of a spark plug in the cylinder.

For electric lighting and in cases where a steady turning moment is essential, several cylinders are arranged to operate upon the same crank shaft; sometimes as many as six cylinders are used. For running alternating current generators in parallel, the multi-cylinder principle is essential. Due to the heat of the explosion and the difficulty of cooling the piston, the size of the cylinder of the single acting type engine is limited to about 16 or 18 inches, and it is very difficult to build this type of engine in sizes greater than 90 H. P. per cylinder. However, where more power is required in a single unit, other principles, both mechanical and theoretical, are employed.

When the Otto cycle is used, large engines are built with horizontal double-acting cylinders, while the largest vertical engines for marine work are built on the Diesel principle, which consists of injecting heavy oil

into the cylinder containing air compressed to a high pressure with consequent high temperature. Ignition is spontaneous, the oil burning throughout practically the length of the stroke making a much more even turning pressure on the shaft and permitting the use of much larger piston diameters. In a recently published article it is stated that 2,500 H. P. per cylinder is obtained by this method, which makes 15,000 H. P. possible in one engine. Such engines are now being built for marine purposes in Europe. As yet very little progress has been made with the gas turbine, but much is to be hoped for along those lines.

Gas engines use various fuels—city or natural gas, kerosene, gasoline, producer gas and heavy oil. They also utilize the waste products from blast furnaces, as will be shown later. While the steam engine is fundamentally very wasteful, very often the waste largely found in the exhaust steam becomes a valuable asset. It is also a very simple matter to use the exhaust products of gas engines; this is coming more and more into practice and now some very creditable installations can be seen.

In selecting an engine for a particular use, the kind of an engine to be installed depends largely on the service for which it is to be used. It may be used primarily for power and a small electric generator may be belted from it for furnishing electric lights in those few places where gas is not applicable. In cases where motor drives are installed, it can be direct connected to electric generators of either alternating or direct current.

The determination of the size of the engine is always a matter for careful consideration. Where machinery is driven by a belt from a main shaft the power which a belt of that size will transmit at the speed at which it runs is often a good index to the power requirements and by careful observation and experience a very good idea of the horsepower transmitted by a belt can be obtained. Where motors are installed, electrical instruments can be applied to the service and an accurate determination arrived at. Where a steam engine is in use, indicator cards taken at frequent intervals and carefully computed are found to be sufficiently accurate. Where machinery installed in one location is to be moved to another or where comparisons are made with other plants using about the same amount of power, very careful thought must be given to the problem. Where the data must be obtained entirely from plans, an experienced consulting engineer should pass on it. The customer's idea of his power requirements is frequently very unreliable, fortunately it is generally high.

Each prime mover has its field; there are loads suitable for gas engines, those which can better be handled by steam, and intermittent loads with high peaks are frequently handled best

by electric service. For instance, where the only requirements for power are for electric elevators, unless the usage is almost continuous, steam or gas engines do not apply. Where elevator power is furnished by belts, the case is a little better and hydraulic elevators are frequently served very economically by gas power. Where there is a lighting load in connection with an elevator load, or where other power is used, the case is entirely different and gas engines are generally applicable.

For picture theatres, department stores or places where 24-hour service is to be maintained, spare capacity should be installed; this in the form of a spare engine or storage battery. Where a small amount of light is required, for overtime work, and where gas does not apply, a small capacity service can be obtained from the central station. Generally combination fixtures are the thing.

In securing gas engine business the investment seems to be the greatest detriment, and since no one can guarantee the operating cost of a plant where the load and other conditions are not known, it is necessary to show a good saving in order to interest the prospect. A very good way of interesting a prospect is by a comparative statement of the cost of gas, electricity and steam power. It is always wise to investigate first, before making any statement. It is also most essential to get the customer's interest in the operating costs at the start. For this reason it would not be wise to guarantee the cost of operating, even though it were possible, and here, as in all other business relations, co-operation is most essential. Let the customer understand that the saving depends very largely upon his efforts in connection with yours, both in the installing and later in the running.

There is, of course, a minimum cost for operating each size engine, and when the present cost is found to be very low, a careful study must be made, as a large engine installed under such circumstances may even show a loss. Roughly, the saving in operating expenses may be from one-third to two-thirds the cost of other forms of power.

The cost of power is roughly divided into four parts—Fuel, Labor, Supplies and Repairs, and Fixed Costs. Of these items the first is easily determined. Labor must be considered carefully. In case of a steam plant, either a fireman is required or all of the engineer's time is required in the engine and fire rooms. With gas engines a portion of the man's time can be applied to other work. In a large installation using electric appliances, an electrician is generally employed and an engineer can be found who is competent both to run the gas engine and to act as the regular electrician. In small installations served by electric service it is generally found that a man is required during six months of the year, anyway, to fire the heating apparatus, and the man can be utilized for running the gas engine. The Supplies and Repairs are by far the smallest items. In small plans they are almost negligible; in large plants they are a very small percentage of the total cost of operation. An old way of figuring supplies and re-

pairs was to estimate them in the neighborhood of 2 per cent of the cost of the installation. Where engines are running at a good load factor on a 10-hour schedule, this is probably not too low.

The cost of heating generally enters into any power argument, and is where the steam man has his strongest talking hold. As a matter of fact, careful investigation of office buildings, stores, etc., seems to show that about half of the coal used for heating is fired from 6 to 9 a. m., at which time there is very little lighting or power used, and consequently very little exhaust steam available. Throughout the daylight hours most of the heating must be furnished by live steam, and only for an hour or two at night is there a sufficient amount of exhaust to be of real value.

The gas engine will supply a certain amount of heat for heating purposes, but high efficiency means little waste and as the heating is all done by waste, naturally there is not so much available from a gas engine. There are several excellent types of heaters and one has recently come to my notice which is claimed to deliver to the heating system 18 per cent of the total heat of the gas used by the gas engine. This is applicable to steam or hot water systems, and seems to be a very carefully worked out device.

There is not much variation in heating from season to season, for in spite of the seeming difference in winters the heating requirements seem to be about alike. It is somewhat difficult to get at the cost of heating, since so many factors enter into it. For instance, a building which is liberally supplied with radiators will use much less coal per square foot of heating surface than one differently planned. Also the use to which the building is put has much to do with it. In fact, the subject of heating is so large and the factors so variable that it is beyond the scope of a talk like this. It is sufficient, however, to say that the value of exhaust steam for heating is generally greatly over-estimated, and plants equipped with gas engines have demonstrated this beyond a reasonable doubt.

Engines may be divided into two types—vertical and horizontal. Large engines of either kind should always be placed on stable foundations, preferably in the basement or ground floor. Where it is necessary to install engines on the upper floor of buildings for small manufacturing purposes, there is little to choose between the vertical and horizontal types, since the stresses on the building with the horizontal engine tend to shake the floor up and down, and those from the vertical engine tend to shake it laterally.

It has always been supposed that where speed requirements were not very severe, and in cases where loads were widely variable, a hit and miss engine would show a much better economy than throttling engine. However, the writer has taken pains to investigate this and finds that there seems to be little excuse for the hit and miss type of engine, on the ground of economy, though it is probably somewhat cheaper to build. The economics down to half load are practically the same, and from half load

to quarter load there is very little difference, so that throttling engines can be used to advantage in almost all cases. However, the hit and miss engine is probably a little simpler machine to manage and understand.

The durability of a gas engine is practically unknown. There are engines now operating in Boston which have been operating for thirty-five years. These engines have become obsolete in design, of course, but they are not by any means worn out. We were recently offered a second-hand engine which has been rebuilt after running fifteen years in the power house of one of the large gas engine builders. While certain makes of engines have not proven very durable, they are very few in number. The majority of them are easily good for fifteen years' regular operation.

The efficiency in every-day practice of a gas engine, if it is properly cared for, is very near that guaranteed by the makers; if not properly cared for, just the reverse is true.

An engine should not be overloaded and for regular operation a 75 per cent load factor is about as high as is consistent with good practice, durability and reliable operation. An engine may be said to be overloaded when taking the hit and miss type, the misses are very few, say one in twelve or more. By holding the pendulum so that it cannot miss, and observing the time which the engines takes to speed up, a good idea of the reserve power in it can be obtained. Holding the governor of a throttling engine wide open and observing the increase in speed is also a good way of estimating the reserve power in it. The above cases, of course, assume that the engine is in good condition, valves tight and properly timed. A heavy pounding which does not seem to respond to the usual treatment of taking up the bearings, indicates overload due to the presence of pre-ignition. Oftentimes the water in the tank getting very hot, say 18 to 200 degrees, indicates a heavy load. Heavily loaded engines are not a good thing for either the company or the user.

*Address by Mr. Wm. H. Edmonson, Consulting Engineer of the Boston Consolidated Gas Co., presented before the New England section of the N. C. G. A.

ELECTROPLATING MIRRORS.

A new method of silvering mirrors consists of depositing the metal on the glass by means of a high potential electric current. A plate of metal is placed against the glass; this is laid flat on a table, and the air above it is exhausted to a high degree of vacuum. Then a small quantity of hydrogen gas is introduced, and the current is turned on through a negative pole attached to the metal plate. In thirty seconds the glass has been silvered.

WASHINGTON, D. C.—The house has appropriated \$366,000 for the Umatilla reclamation project, \$377,000 for the Klamath project; \$51,000 Okanogan (Washington) project, and \$1,250,000 for the Yakima project.

ADVANCE NEWS

Classified according to Character of Work

APARTMENT HOUSES.

SAN FRANCISCO—Apartment house, 2 story and base, frame. Cost not stated. Architect, Albert Schroeffer, Foxcroft Bldg., S. F. Owner's name withheld. The building will be erected on 7th avenue near I street, and has been designed to contain stores on the first floor and a number of two and three room suites on the upper floor. Interior finish will be of pine and redwood. All apartments will have wall beds and private bath rooms. Tile wainscot will be used in the baths. A hot water system is included in the work. Exterior of the building will be covered with shiplap and rustic. Plans are complete and figures are being taken.

SAN FRANCISCO—Apartment house, 3 story and base, frame, \$10,000. Architect, C. O. Clausen, Phelan Bldg., S. F. Owner, C. O. Clausen. The building will be erected on the east side of Langton street north of Harrison, and will cover an area of 25 by 59 feet. There will be a total of ten suites of two and three rooms. All suites will have private baths and wall beds. Interior finish will be of pine and redwood. There will be tile wainscot in the bath rooms. Exterior of the building will be covered with rustic and shiplap. Plans are complete and the work will be done by Day Labor. Materials are now being purchased.

SAN FRANCISCO—Apartment house, 4 story and base. Class C construction, \$25,000. Architect, Albert Schroeffer, Foxcroft Bldg., S. F. Owner's name withheld. The building has been designed to contain a number of two and three rooms apartments, all of which will have wall beds and private bath rooms. Interiors will be finished in pine, redwood and elm. Some hardwood floors will be used. There will be steam heat, an automatic elevator, and hot water supply. Bath rooms will be finished in tile with composition floors. Marble and tile wainscot will be used in the entrance and lobby. Exterior of the building will be faced with pressed brick. Plans are complete and figures will be called for at once.

MODESTO, STANISLAUS CO., CAL.—Apartment house, 2 story and base, frame, \$20,000. Architect, Charles C. Frye, 20 Montgomery street, S. F. Owner's name withheld. The building will cover an area of 80 by 100 feet and has been designed to contain sixteen suites of two, three and four rooms. There will be wall beds and private bath rooms. Interiors will be finished in pine and redwood. Plans provide for steam heat and a hot water system. Bath rooms will have tile wainscot and composition floors. A large office and lobby will occupy the ground floor. Exterior of the building will be covered with cement plaster on metal lath. Plans are now being prepared.

SEATTLE, WASH.—Apartment house, 4 and 5 story and base, brick and concrete, \$105,000. Architect, J. O. Taft, 2334 10th avenue, North Seattle. Owners, Woodmen of the World. The building will be erected at the southeast corner of Pine and Minor avenue, covering an area of 113 by 125 feet. There will be five stores on each of the street frontages. Upper floors will contain a total of seventy-two suites of two and three rooms. Interior finish will be of pine and redwood with some elm panels. Hardwood floors will be used in the living rooms and halls. There will be steam heat, elevator service, a vacuum cleaning plant and hot water supply. Patent store fronts are specified. All apartments will have wall beds. Bath rooms will be finished in tile. Marble and tile wainscot will be used in the entrance. Exterior of the building will be faced with pressed brick trimmed with terra cotta. Plans are complete and figures will be called for shortly.

SAN FRANCISCO—Apartment house, 4 story and base. Class C construction, \$50,000. Architect, A. W. Burgren, Holbrook Bldg., S. F. Owner's name withheld. The building will be erected on Hyde street near Geary, and has been designed to contain a number of two and three room apartments with wall beds and private baths. There will be a large social room and lobby on the main floor. Interior will be finished in pine and hardwood with some hardwood floors. Plans provide for steam heat, elevator service, a hot water system and vacuum cleaning. Bath rooms will have tile wainscot and composition floors. Marble and tile wainscot will be used in the entrance. Exterior of the building will be faced with pressed brick trimmed with terra cotta. Plans are nearly complete and figures will be called for next week.

LOS ANGELES, CAL.—Apartment house, 5 story and base, reinforced concrete, \$150,000. Architects, Train & Williams, Exchange Bldg., L. A. Owner, F. R. Kellogg, 521 Douglas Bldg., L. A. The building will be erected at the corner of Orange Grove and Elvado Drive, and has been designed to contain a total of 196 rooms arranged in suites of three, four and five rooms. There will be a garage covering an area of 50 by 55 feet. Interiors will be finished in pine and hardwood with hardwood floors in the principal rooms. There will be steam heat, elevator service, a vacuum cleaning system and hot water supply. Bath rooms will be finished in tile. Exterior of the building will be faced with cement plaster. Plans are now being prepared.

LOS ANGELES, CAL.—Apartment house, 4 story and base, brick. Cost not stated. Architect, Frank M. Tyler, Plack Bldg., L. A. Owner, Burton G. Adams. The building will be erected at the southeast corner of Witmer and Ingraham streets, covering an area of

52 by 120 feet, and has been designed to contain 90 rooms. Apartments will consist of two, three and four rooms with wall beds and private baths. Interior finish will be of pine and hardwood with some hardwood floors. Plans provide for steam heat, an automatic elevator and hot water supply. Bath rooms will be finished in tile. Marble and tile wainscot will be used in the lobby. Exterior of the building will be faced with pressed brick. Plans are now being prepared and when complete the work will be done by Day Labor.

BONDS.

SANTA ANA, ORANGE CO., CAL.—The Board of Supervisors has sold the \$100,000 of State Highway bonds bought by Orange County a year ago. The sale was made to Perrin, Drake & Riley on their bid of \$96,414.

The Board offered for sale the entire block of \$200,000, bought by the county in order to insure the building of the State Highway through Orange County. Perrin, Drake & Riley put in a bid for the \$200,000 bonds and also one for \$100,000 or any portion of the \$200,000.

Other bidders were as follows: Wm. R. Compton & Co., \$191,180; Wm. R. Staats Co., \$191,357; Byrne & McDonnell, \$191,570, and N. W. Halsey & Co., \$190,820.

VISALIA, TULARE CO., CAL.—The First National Bank of Visalia has purchased the bonds of the Drum Valley and Columbine schools, their bids being the largest. The bonds of the Drum Valley school sold for \$2,000, and those of the Columbine school for \$3,500.

POMONA, LOS ANGELES CO., CAL.—The City Council is now considering the matter of calling for a \$25,000 bond election on April 5th. The proposed issue, if it is ordered, will be for the purpose of street paving and storm drainage.

Ten thousand dollars of the money will be used to pave San Antonio avenue.

COALINGA, FRESNO CO., CAL.—The good roads petition which was circulated by the Chamber of Commerce about a year ago, calling for a bond election to raise funds for the construction of good roads, has been declared invalid.

PANAMA SCHOOL DISTRICT, KERN CO., CAL.—A bond election will be held in the Panama School District on March 5th, at which time the voters will decide the question of issuing and selling bonds in the sum of \$8,000.

When sold the proceeds will be used in the construction of a new school building for the district. G. W. Parish and Milo G. McKee are the School Trustees.

MARYSVILLE, YUBA CO., CAL.—The Yuba County Board of Supervisors and State Treasurer Friend W. Richardson are deadlocked over \$40,000

worth of State of California bonds on which the County Supervisors made a bid last August, which resulted in their having the bonds assigned to them. Since that time complications have ensued and the local officials have decided not to take the bonds.

When the bid was made by the local board it was understood that the State Highway Commission intended to compete the lateral of the State Highway to the Placer County line, through Wheatland at once. Up to date nothing has been done in this regard, although it is stated that the Highway Commission not long ago announced that it would go ahead with it despite difficulties which had been introduced by the action of Placer County.

Trouble has arisen through the refusal of the Placer County Board of Supervisors to bear the expense of the construction of a bridge over the Bear River. Several conferences, resulting in much delay, have been held between the Placer County Board and the Highway Commission. As far as is known here, these conferences have not as yet resulted in any definite conclusions.

AUBURN, PLACER CO., CAL.—Roseville's grammar school bonds in the sum of \$45,000, which were supposed to have been sold by the Supervisors, have been refused by the prospective purchasers on the ground that the election which authorized the bonds was invalid.

This is the second time the bonds have been refused on this account, and it is understood that another election will be held before the bonds can be sold.

SIERRA MADRE, LOS ANGELES CO., CAL.—The \$12,500 school bonds have been sold and work on a new school building will be started immediately.

LOS ANGELES, CAL.—Fred Forrester of the Angeles Mesa subdivision announces that the site for the new grammar school building to be erected at or near Third avenue and 50th street has been chosen and that the bonds of \$40,000 have been sold.

MARIAN SCHOOL DISTRICT, LOS ANGELES CO., CAL.—The Trustees of the newly formed Marian School District have adopted a resolution calling for a bond election to raise funds for the erection of a new school house for the district. It is thought that the bonds will be for \$55,000. R. B. Smith is chairman and C. Hale is the Clerk of the Board of Trustees.

SAN BERNARDINO, SAN BERNARDINO CO., CAL.—The Supervisors have awarded the Anglo-London and Paris National Bank of San Francisco the block of \$350,000 county highway road bonds for a premium of \$17,338.

Torrence, Marshall & Co., C. W. McNear & Co., and William R. Compton & Co. were successful bidders for the \$150,000 hospital bonds with a premium of \$6,225. Eighteen bids in all were received.

ANTELOPE VALLEY UNION HIGH SCHOOL DISTRICT, LOS ANGELES CO., CAL.—The Board of Supervisors has accepted the bid of the Blythe-Witter Co. of San Francisco for the 5 per cent \$30,000 high school bonds at par, accrued interest and premium of \$1.00.

LANCASTER, LOS ANGELES CO., CAL.—An election will be held March 1st in the Lancaster School District to vote bonds of \$5,000 to raise funds for the erection of a new school building and the purchase of the necessary equipment.

W. D. Redman and Minnie Linebarger are the Trustees of the District.

MIAMI, ARIZ.—At a meeting of the school board it was decided to call a special bond election to be held on March 6th, to vote bonds of \$75,000 for the erection of a new school building.

EL PASO, TEXAS.—Ten thousand dollars of school bonds for the Fabens school district have been sold and money will be used in the construction of a new school building.

The school trustees will select an architect to design plans for the new building at their meeting in March.

ANACONDA, MONT.—On a date yet to be selected, the County Commissioners will call a special bond election at which time the voters will decide on the question of issuing bonds for \$75,000 to raise funds for the erection of a new city jail. The estimate placed on the building, including steel cells, is about \$85,000.

PRESCOTT, ARIZ.—The Board of Supervisors of Yavapai County will receive sealed bids up to 10 a. m. March 8th for the purchase of court house bonds in the sum of \$250,000. The proceeds of the sale will be used in the erection of a new court house, for Yavapai County.

R. T. Bedcher, Henry J. Suder, Harry W. Heap and William Stephens are members of the committee in charge of the sale.

EL PASO, TEX.—A meeting of taxpayers was recently held by school districts of Ysleta and Socorro and recommendations to the effect that a "district" bond issue of \$30,000 for the erection of a school building was adopted.

FLORENCE, ORE.—Soon after bids for the \$100,000 bonds are opened by the Port of Siuslaw at Florence, Ore., the extension of the south jetty will be started.

With the money secured from the above bond sale this will make \$224,000 available for the work. It is proposed to construct a jetty for a distance of 1700 feet and to continue another 1500 feet.

BOISE, IDAHO.—The members of the local school board have called a special election to submit the question of issuing bonds of \$50,000 to raise the necessary funds for the erection of a new school building.

EL CENTRO, IMPERIAL CO., CAL.—A bond election will be held in the Niland School District, at Niland, on March 9th to vote bonds of \$15,000.

When sold the proceeds will be used in the building of a new school and the purchase of the necessary equipment with which to complete the building. John T. Coleman and Maurice H. Little are the trustees.

REDONDO, LOS ANGELES CO., CAL.—Ordinance 454 adopted by the Board of Trustees, giving notice that a special bond election will be held on February 25th, has been passed to print.

Bonds in the sum of \$17,000 will be voted for the acquisition and construction of a public library building. W. A. Anderson is the City Clerk.

GALLATIN SCHOOL DISTRICT, LOS ANGELES CO., CAL.—The \$15,000 bond issue of the Gallatin School District, near Downey, has been sold by the Board of Supervisors to R. H. Moulton at a premium of \$110.50. Plans for the building have already been prepared by Allison & Allison of Los Angeles.

CHATSWORTH SCHOOL DISTRICT, LOS ANGELES CO., CAL.—The \$35,000 bond issue of the Chatsworth School District have been sold by the Board of Supervisors to Perrin, Drake & Riley at a premium of \$2,451.50. Architects, Dennis & Hewitt, 619 Fay Building, Los Angeles, have been commissioned to prepare the plans for the new building, which will be of brick or hollow tile construction.

HUNTINGTON BEACH, ORANGE CO., CAL.—Bonds in the sum of \$70,000 have been voted for the erection of new school buildings. It is proposed to erect one new building and an addition to the present school.

WATTS CITY SCHOOL DISTRICT, LOS ANGELES CO., CAL.—The \$35,000 bond issue of the Watts City School District has been sold by the Board of Supervisors to Wm. R. Staats Co. at a premium of \$1,256.

Tuttle & Angel, Delta Bldg., Los Angeles, are the architects commissioned to prepare the plans for the new building, which will contain in the neighborhood of eight or ten rooms and will probably be of brick construction.

KINGSBURG, FRESNO CO., CAL.—Bonds in the sum of \$40,000 for the erection of a high school building have been voted. The plans for the new structure are now being prepared by Anton Johnson of Kingsburg.

MARIAN, SAN BERNARDINO CO., CAL.—A special election will be called at once by the Board of School Trustees to vote bonds of \$55,000 for the purchase of a site for a new school and the erection of the building. R. B. Smith, C. F. Hale and E. A. Brainard are the trustees.

SAN GABRIEL, LOS ANGELES CO., CAL.—A number of property owners here are advocating a special election to vote bonds of \$100,000 for the purpose of improving the city streets of San Gabriel.

MONROVIA, LOS ANGELES CO., CAL.—Bonds in the sum of \$15,000 for street improvements have been sold by the Board of Trustees to the Wm. R. Staats Co. at a premium of \$1,036.60.

FULLERTON, ORANGE CO., CAL.—Bonds in the sum of \$36,000 have been voted for improving one and one-half miles of the Brea road in this city.

HANFORD, KINGS CO., CAL.—A special election to vote \$700,000 for the improvement of county highways will probably be called in the near future by the Board of Supervisors.

At the request of the Highway Commission the project to vote bonds in the sum of \$1,000,000 was abandoned several months ago because of the financial stringency.

OROVILLE, BUTTE CO., CAL.—It has been announced by the State Highway Commission that every mile of the State Highway through Butte County will be under construction during the present year but that it will be necessary for the county to take highway bonds as the work progresses to the total amount of \$475,000 in accordance with a resolution

adopted by the Supervisors a year ago.

At that time the county bought \$175,000 worth of bonds which were sold to a Chico bank at a very small discount, the county making up the difference.

The balance was to have been taken up in two installments of \$150,000 each, but the Highway Commission suggests that smaller blocks be taken as the work progresses.

BRIDGES AND DAMS.

SAN FRANCISCO—Steel rolling doors. Cost not stated. Engineer, Assistant State Engineer Newman, Ferry Bldg., S. F. Owners, State of California. Plans are complete and figures are being taken for furnishing and installing steel rolling doors in the wharf shed on Pier No. 24. Bids will be opened on March 4th. Plans and specifications can be secured from the office of Engineer Newman. Bids will be opened by the State Board of Harbor Commissioners.

OAKLAND, CAL.—Repairs to fender piles. Cost not stated. Engineer, County Surveyor, Oakland. Owners, Alameda County. Plans are complete and figures are now being taken for repairs to the fender piles on the bridge over the Oakland Estuary. Bids will be opened by the Board of Supervisors on March 8th. Plans and specifications can be secured from the County Clerk.

SACRAMENTO, CAL.—Ferry work, \$2,500. Engineer, County Surveyor, Sacramento. Owners, Sacramento County. Bids opened by the Supervisors for the work on the Elkhorn Ferry were as follows: Jenkins & Wells, \$2,678; C. Amacka, \$2,240; Nunes Bros., \$2,970. All bids have been referred to the Contract Committee for report.

RICHMOND, CONTRA COSTA CO., CAL.—Municipal wharf No. 1, timber pile construction. Cost not stated. Engineers, Haviland & Tibbetts, Alaska Commercial Bldg., S. F. Owners, City of Richmond. All bids received on February 15th for the construction of this wharf have been rejected and new figures will be called. Duncanson-Harrelson Co., S. F., submitted the low figure at \$118,984, which was about \$30,000 lower than the lowest bid received on a former set of plans. The bid was rejected on the ground that it was presented in irregular form. March 1st has been set as the time for receiving the new bids. A complete list of the figures submitted on February 15th will be found under the heading of Marin, Contra Costa and Sonoma Counties in this issue.

RED BLUFF, TEHAMA CO., CAL.—Bridge, steel and concrete. Cost not stated. Engineer, County Surveyor, Red Bluff. Owners, Tehama County. The Board of Supervisors of Tehama County has accepted the plans and specifications prepared by the County Surveyor for the construction of a steel bridge on the Henleyville road in Road District No. 4. Bids for this structure will probably be called for immediately.

CHURCHES.

STOCKTON, SAN JOAQUIN CO., CAL.—Church, 2 story and base, brick, \$25,000. Architect, John J. Foley, 46

Kearny street, S. F. Owners, St. Gertrude's Parish. The building has been designed in the Spanish style, the exterior being faced with pressed brick. There will be a large main auditorium and Sunday school rooms. Interior will be finished in pine and ornamental plaster. A central heating system, probably steam heat, will be installed. There will be art glass windows and marble wainscot. Plans are complete and figures are being taken.

COURT HOUSES.

SAN FRANCISCO—City Hall bronze. Cost not stated. Architects, Bakewell & Brown, 251 Kearny street, S. F. Owners, City and County of San Francisco. Plans have been completed and figures are now being called for on furnishing and installing the ornamental bronze work in connection with the City Hall. Bids for this work will be opened on March 17th by the Board of Public Works. Plans and specifications can be secured from the City Department of Architecture, Temporary City Hall.

FACTORIES AND WAREHOUSES

SAN FRANCISCO—Factory, 2 story and base. Class C construction. Cost not stated. Architect, Albert Schroepfer, Foxcroft Bldg., S. F. Owner's name withheld. The building will be erected on Minna street between 7th and 8th streets. The building will cover a considerable ground area. The first floor will be of cement. Interior finish will be of pine throughout. Metal window sash and frames are specified. Exterior of the building will be faced with stock brick. Plans are complete and figures are being taken.

PORTLAND, ORE.—Oil plant and dock, \$500,000. Engineers, Reitz, Storey & Duffy, Northern Bank Bldg., Seattle. Owners, Shell Oil Co. of California. Plans for the construction of an oil plant to cost one half million dollars to be located on the Willamette River near the Willamette River bridge, are now being prepared by Engineers, Reitz, Storey & Duffy. The plans will call for a dock, two large steel reservoirs with concrete foundations, having a capacity of 55,000 barrels each, a pipe line and pumping facilities, etc.

LOS ANGELES, CAL.—Warehouse, 4 story and base, reinforced concrete, \$30,000. Architect, E. P. Parcher, 6719 Hollywood Boulevard, L. A. Owners, C. E. Toberman Co. The building will be erected on Highland avenue near Hollywood, and will cover an area of 55 by 140 feet. Construction will be of reinforced concrete throughout. There will be freight and passenger elevators, a vacuum cleaning system and metal window sash and frames. Interior finish will be of pine. Exterior of the building will be faced with cement plaster. Plans also provide for an automatic sprinkler system and fireproof vaults. Plans are now being prepared.

EAST SAN PEDRO, LOS ANGELES CO., CAL.—Warehouse, 1 story, hollow tile and frame. Cost not stated. Architects, Eisen & Son, Wilcox Bldg., L. A. Owners, Southern California Fish Co. The building will cover an area of 235 by 70 feet. Construction will be of frame, hollow tile and corrugated iron. No interior finish will be used.

Exterior of the building will be faced with cement plaster. Plans are complete and figures are being taken.

FLATS.

SAN FRANCISCO—Flats, 2 story and base, frame, \$5,000. Architect, none. Owners, C. J. and W. J. Keenan, northeast corner of Central avenue and Hayes street, S. F. The building will be erected at the northeast corner of California and 20th avenue, covering an area of 25 by 69 feet. There will be two modern flats of five and six rooms. Interiors will be finished in pine, redwood and elm. Hardwood floors will be used in the living and dining rooms and reception halls. There will be open fire places in the living rooms. Mantels will be of tile and brick. Bath rooms will be finished in tile. Automatic water heaters will be installed. Exterior of the building will be covered with shiplap and cement plaster on metal lath. Plans are complete and in the hands of the owners who will do the work by Day Labor. Materials are now being purchased.

GARAGES.

SAN FRANCISCO—Garage, 2 story and base. Class A construction, \$25,000. Architect, Maxwell G. Bugbee, Lick Bldg. Owner, Charles F. Hanlon. The building will be erected at the northwest corner of St. George Place and Bush street. The building has been designed for one of the largest and best appointed commercial garages in the city, and will contain storage space, a completely equipped machine shop and wash rooms. A cement floor will be used on the first story. Interior will be finished in pine throughout. There will be steel roof trusses and metal window sash and frames. Exterior of the building will be faced with pressed brick. Plans are complete and figures have been taken.

OAKLAND, CAL.—Garage, 1 story and base, brick, \$10,000. Architect, F. D. Voorhees, Central Bank Bldg., Oakland. Owner, G. W. Burrows. The building will be erected on Broadway near Brook street, and has been designed for a commercial garage. There will be a cement floor. Interior will be finished in pine. There will be storage space and machine shop. Special gasoline storage tanks will be installed. Exterior of the building will be faced with pressed brick. Plans are complete and the work will be done by Day Labor.

Contracts Awarded.

FRESNO, FRESNO CO., CAL.—Garage, 1 story and base, brick, \$2,750. Engineer, City Engineer, Fresno. Owners, City of Fresno. Contractor, A. D. Wilkins, 264 Ivy street, Fresno. Contract price, \$2,750.

GOVERNMENT WORK & SUPPLIES.

Government Air Craft Plant.

The Navy Department is opposed to the proposal that the government shall go into the manufacture of air craft, except on an experimental scale, mainly for the reason that it would mean a loss to the advancement of aeronautical work in the discouragement of ideas and results of pri-

vate invention and experiment. Preparations have already been under way for about two years looking to the design and construction of an experimental machine, with a view to developing ultimately the necessary plans, specifications, and detail instructions for the manufacture of aeroplanes, both hulls and lower plants, by private manufacturers, including shipyards, and by navy yards in an emergency. This experimental work includes a continued series of laboratory experiments on a large scale at the navy yard, Washington. The preliminary work toward the experimental construction is already in hand, and it has been the intention to take up the manufacture of such an experimental aeroplane at the Washington navy yard plant for the general manufacture of air craft would require a complement of officers that can ill be spared at the present time, not only because the Navy has a very limited number of specially trained designers in this class of work, but because such a plant would call for the diversion from actual flying work of many of the most competent operators. As stated above, the establishment of such a plant would tend greatly to discourage the valuable initiative and resources of private manufacturers, who should be encouraged and stimulated as a most valuable asset, not only in the development of air craft, but also for further output of such craft in quantities in time of an emergency. Any government plant which could be established in the near future would be entirely inadequate in war time, as air craft would be required in large quantities in such an emergency. It is therefore recommended that the utilization of existing plants for aeroplane work be confined to the construction of one or more experimental aeroplanes on the department's design at the navy yard, Washington, and the construction of an aeroplane engine at one of the navy yards, with a view to the preparation of departmental plans, specifications, and manufacture for use in an emergency.

Wood Stave Pipe.

Schedule of bids for 30-in and 60-in wood stave pipe, Snipe's Mountain pumping plant, U. S. Reclamation Service, Yakima project, Wash., Sunnyside unit, recieved at Sunnyside, Wash.:

- Bid 1. Washington Pipe and Foundry Co., Tacoma, Wash.
2. Pacific Coast Pipe Co., Seattle, Wash.
3. Valley Construction Co., North Yakima, Wash.
4. George P. Wright, Tacoma, Wash.
5. Redwood Mfg. Co., San Francisco, Cal.
6. Pacific Tank and Pipe Co., Portland, Ore.
7. Portland Wood Pipe Co., Portland, Ore.

Item 1. 905 lin ft 60-in W. S. pipe, complete, in place, except bands—Bid 1, \$1.96; 2, \$1.85; 3, \$2.54; 4, \$1.76; 5, \$3.22; 6, \$1.75; 7, \$1.83.

2. 1,518 bands ½-in steel bands, with shoes, etc., for 60-in pipe, in place—Bid 1, 84c; 2, 90c; 3, \$1.21; 4, 87c; 5, 82c; 6, 85.3c; 7, 86.6c.

3. 3,355 lin ft 30-in W. S. pipe, complete, in place, except bands—Bid 1,

71c; 2, 80.5c; 3, 91c; 4, 75c; 5, \$1.15; 6, 72c; 7, 80c.

4. 17,568 bonds ½-in steel bands, with shoes, etc., for 30-in pipe, in place—Bid 1, 31c; 2, 31c; 3, 41c; 4, 32c; 5, 30¼c; 6, 29.6c; 7, 28.8c.

5. Painting 444 square wood stave pipe—Bid 1, 60c; 2, \$2; 3, \$1; 4, 60c; 6, \$1.35; 7, \$1.02.

Totals—Bid 1, \$11,143.45; 2, \$12,075.31; 3, \$14,835.41; 4, \$11,317.87; 5, \$13,331.43; 6, \$11,093.73; 7, \$11,167.20.

The Dalles, Ore., Post Office.

The contract for the construction, complete, of the U. S. post office at The Dalles, Ore., has been awarded to George Isackson, Portland, Ore., as follows: Using limestone for all stone-work, except where granite is required, \$73,978; plus alternate 1, fire-proof second floor first story partitions, furring, etc., marble and iron stairs, terrazzo and marble finish in corridors, \$4,900; plus alternate 2, plate glass in lieu of pressed pattern and sheet glass above basement, \$330; plus alternate 3, painting and sheeting of remaining plaster surfaces throughout the building, \$450; total, \$79,658; time, 15 months.

Army-Navy Contracts and War.

In the opening of bids in the War and Navy Department for certain material there is an appreciable influence upon prices and upon deliveries by the war in Europe. In a recent opening of bids for range finders for the Army ordnance office one of the bids specified the delivery of 50 in nine months and 100 in ten months "after the conclusion of the European war." In the bids opened by the quartermaster general for 14,000 yards of flax canvas one of the bidders attached this note to his proposal: "We are informed by the manufacturer that the export of this canvas must be sanctioned by the British government before final acceptance, but in the case of the United States this authority is usually given." Another bidder on the same material stated that the deliveries would begin 70 days from the date of contract and would be completed in 120 days, provided that in the meantime the British government does not place an embargo on the export of flax canvas. In other directions there is a visible increase of prices on articles in the composition of which imported material enters.

Canal Construction.

Tabulation of bids opened at Provo, Utah, for construction of schedule 4, High Line Canal, Reclamation project: Reynolds, Ely Construction Co., Springville, Utah, \$82,624.75.

Wasatch Grading Co., 312 Dooley Block, Salt Lake City, Utah, \$84,364.95.

H. G. Gilkerson, 524 Newhouse Building, Salt Lake City, Utah, \$89,762.

Morrison-Knudsen Co., 12 and 13 Shaw Block, Boise, Idaho, \$89,895.50.

Utah Construction Co., 421 Eccles Building, Ogden, Utah, \$97,911.90.

Mendenhall, Straw & Bird Construction Co., Springville, Utah, \$104,214.15.

Jacobsen, Bade Co., 575 Bush street, San Francisco, Cal., \$106,408.

Enoch Smith, 319 Kearns Building, Salt Lake City, Utah, \$108,274.50.

Intermountain Bridge and Construction Co., Tecumseh, Neb., \$108,315.

Bates & Rogers Construction Co.,

206 Lindelle Block, Spokane, Wash., \$110,207.45.

W. O. Morrison, 409 Cooper Building, Denver, Colo., \$119,113.

Reclamation Service, Coal.

The Secretary of the Interior has authorized the Reclamation Service to execute contract with the Roslyn Fuel Co., of North Yakima, Wash., for furnishing 2,000 tons of coal for use in connection with the work on the storage unit of the Yakima irrigation project. The contract price is \$2.75 per ton; the total price, including freight, being estimated at \$5,500.

Light-House Service, Pipe.

The following bids were received by the light-house inspector, 19th district, Honolulu, H. T., for 17,800 feet standard 1½-inch galvanized wrought steel pipe for Barber's Point light station, Oahu, H. T.:

Honolulu Iron Works, Honolulu, H. T., \$1,284.70; accepted.

E. O. Hall & Son, Ltd., Honolulu, H. T., \$1,502.32.

Movable Crest, Arrow Rock Dam.

The following bids were received at Boise, Idaho, for movable crest for Arrow Rock dam:

Bid 1. Riter-Conley Manufacturing Co., f. o. b. Leetsvale, Pa.

2. Joshua Hendy Iron Works, f. o. b. Sunnyvale, Cal.

3. Minneapolis Steel and Machinery Co., f. o. b. Minneapolis, Minn.

4. Milwaukee Bridge Co., f. o. b. Milwaukee, Wis.

5. John A. Roebling's Sons Co., f. o. b. Trenton, N. J.

6. Vulcan Iron Works, f. o. b. Chicago, Ill.

7. Des Moines Bridge and Iron Works, f. o. b. Des Moines and Pittsburgh, Pa.

8. John W. Batchelor Co., f. o. b. San Francisco, Cal.

9. Kennedy-Stroh Corporation, f. o. b. Verona, Pa.

10. Western Pipe and Steel Co., f. o. b. Richmond, Cal.

11. Pacific Rolling Mill Co., f. o. b. San Francisco, Cal.

12. Chicago Bridge and Iron Works, f. o. b. Washington Heights, Ill.

13. Independent Bridge Co., f. o. b. Pittsburgh, Pa.

Schedule 1, 221,000 lbs.

Item 1. Gates and fittings—Bid 1, \$12,426; 3, \$10,993; 7, \$9,440 at Des Moines or \$8,812 at Pittsburgh; 10, \$15,441; 11, \$15,694; 12, \$6,680; 13, \$10,200.

Item 2. Foundation hinges—Bid 1, \$540; 2, \$949; 4, items 1 and 2 combined, \$14,895; 7, \$956 at Des Moines or \$893 at Pittsburgh; 10, \$1,240; 11, \$1,543; 12, \$550; 13, \$1,000.

F. o. b. Boise—Bid 1, \$14,774.22; 3, \$13,455.85; 4, \$16,409.25; 7, \$11,843.55; 10, \$17,485.88; 11, \$18,041.88; 12, \$8,743.85; 13, \$13,008.22.

Schedule 2, 573,000 lbs.

Item 3. No. 1 counterweights—Bid 1, \$558.27; 2, \$646.92; 3, \$505.55; 8, \$769; 9, \$539.10; 11, \$714.01; 13, \$440.85.

Item 4. No. 1 counterweights—Bid 1, \$957; 2, \$972; 3, \$717; 8, \$720; 9, \$675; 11, \$894; 13, \$456.

Item 5. No. 2 counterweights—Bid 1, \$584; 2, \$677; 3, \$536.93; 8, \$803, 9, \$564.53; 11, \$747.68; 13, \$461.66.

Item 6. Do fillers—Bid 1, \$957; 2, \$972; 3, 717; 8, \$720; 9, \$675; 11, \$894; 13, \$456.

Item 7. No. 3 counterweights—Bid 1, \$597; 2, \$692.01; 3, \$748.48; 8, \$820; 9, \$576; 11, \$763.77; 13, \$471.59.

Item 8. Do. fillers—Bid 1, \$880.44; 2, \$894.24; 3, \$659.54; 8, \$662; 9, \$621; 11, \$822.48; 13, \$419.52.

Item 9. No. 4 counterweights—Bid 1, \$595.55; 2, \$690.12; 3, \$546.98; 8, \$817; 9, \$575.10; 11, \$762.88; 13, \$470.30.

Item 10. No. 10 do. fillers—Bid 1, \$727.32; 2, \$738.72; 3, \$544.92; 8, \$547; 9, \$513; 11, \$679.44; 13, \$346.56.

Item 11. No. 5 counterweights—Bid 1, \$589.95; 2, \$693.64; 3, \$554.51; 8, \$810; 9, \$569.70; 11, \$754.54; 13, \$465.89.

Item 12. No. 5 fillers—Bid 1, \$497.60; 2, \$505.44; 3, \$372.84; 8, \$374; 9, \$351; 11, \$464.88; 13, \$237.12.

Item 13. Frames—Bid 1, \$601.40; 2, \$669.30; 3, \$572.30; 8, \$824.50; 9, \$690.64; 11, \$756.60; 13, \$488.88.

Item 14. Frames—Bid 1, \$74.78; 2, \$70.04; 3, \$79.31; 8, \$87.55; 9, \$78.28; 11, \$80.30; 13, \$41.20.

F. o. b. Boise—Bid 1, \$9,854.76; 2, \$9,206.20; 3, \$8,225.65; 8, \$8,948.39; 9, \$8,662.78; 11, \$9,328.96; 13, \$6,989.43.

Schedule 3, 25,610 lbs.

Item 15—Bid 1, \$810; 2, \$893; 3, \$340; 5, \$1,064.40; 6, \$756; 13, \$730.80.

Item 16. Base sheaves—Bid 1, \$525; 2, \$642.50; 3, \$375; 5, \$612.50; 6, \$370; 8, \$567; 13, \$548.65.

Item 17. Base sheaves—Bid 1, \$160; 2, \$130; 3, \$104; 5, \$156; 6, \$84; 8, \$151; 13, \$110.26.

Item 18. Double-top sheaves—Bid 1, \$990; 2, \$1,092; 3, \$564; 5, \$1,053; 6, \$636; 8, \$1,065; 13, \$926.16.

Item 19. Alignment rods — Bid 1, \$156; 2, \$174; 3, \$202.20; 5, \$246; 6, \$168; 8, \$240; 13, \$148.08.

Item 20. Cast steel lugs — Bid 1, \$115.20; 2, \$156; 3, \$102; 5, \$93.60; 6, \$130.08; 8, \$225; 13, \$126.

F. o. b. Boise, total—Bid 1, \$3,009; 2, \$3,201.20; 3, \$2,398.48; 5, \$3,511.15; 6, \$2,367.36; 8, incomplete bid; 13, \$2,799.49.

Schedule 4, 84,000 lbs.

Item 21. Riveted steel pipe, 30-in—Bid 1, \$40; 3, \$22; 8, \$25; 9, \$26.44; 10, \$17; 13, \$17.33.

Item 22. Riveted pipe, 30-in—Bid 1, \$185; 3, \$115; 8, \$165; 9, \$138.50; 10, \$122.75; 13, \$194.25.

Item 23. Riveted pipe—Bid 1, \$50; 3, \$31; 8, \$50; 9, \$35.18; 10, \$38.60; 13, \$43.05.

Item 24. Cast-iron elbows—Bid 1, \$539; 3, \$476; 8, \$551; 9, \$423.50; 10, \$372.05; 13, \$477.75.

Item 25. Cast-iron elbows—Bid 1, \$462; 3, \$408; 8, \$499; 9, \$363; 10, \$318.90; 13, \$441.

Item 26. Cast-iron elbows—Bid 1, \$480; 3, \$480; 8, \$525; 9, \$409.20; 10, \$355.80; 13, \$453.60.

Item 27. Riveted steel pipe—Bid 1, \$360; 3, \$216; 8, \$330; 9, \$213; 10, \$255; 13, \$233.10.

Item 28. Riveted steel pipe—Bid 1, \$570; 3, \$504; 8, \$588; 9, \$386.04; 10, \$461.40; 13, \$459.90.

Item 29. Riveted steel pipe—Bid 1, \$258; 3, \$348; 8, \$360; 9, \$318.24; 10, \$270.30; 13, \$346.

Item 30. Cast-iron pipe—Bid 1, \$366; 3, \$330; 8, \$508; 9, \$244.32; 10, \$266.10; 13, \$466.20.

Item 31. Cast-iron pipe—Bid 1, \$366; 3, \$342; 8, \$515; 9, \$259.69; 10, \$289.10; 13, \$352.80.

Item 32. Riveted steel pipe—Bid 1, \$1,890; 3, \$1,782; 8, \$1,656; 9, \$1,624.32; 10, \$1,109.70; 13, \$1,493.10.

Item 33. Steel plate head — Bid 1, \$84; 3, \$42; 8, \$60; 9, \$47.16; 10, \$30; 11, \$56.70.

Item 34. 30-in gate valves—Bid 1, \$2,160; 3, \$1,818; 8, \$1,764; 9, \$1,702.80; 10, \$1,331; 13, \$1,556.10.

Item 35. Butterfly valves—Bid 1, \$1,540.02; 3, \$3,654; 8, \$1,159; 9, \$1,614; 10, \$990; 13, \$2,049.50.

Item 36. Connection bolts and gaskets—Bid 1, \$738; 3, \$270; 8, \$216; 9, \$335.22; 10, \$162; 13, \$195.30.

F. o. b. Boise, total—Bid 1, \$10,757.31; 3, \$11,413.40; 8, \$9,276.93; 9, \$8,827.89; 10, \$6,832.43; 13, \$9,531.47.

Schedule 5, \$45,600 lbs.

Item 37. Lip castings—Bid 1, \$2,300.10; 2, \$2,322; 3, \$1,254; 8, \$3,000; 9, \$2,025; 11, \$2,229.25; 13, \$1,297.80.

Item 38. Pier plates—Bid 1, \$1,446; 2, \$990; 3, \$1,182; 8, \$1,776; 9, \$1,062; 11, \$1,095.10; 13, \$922.98.

F. o. b. Boise, total—Bid 1, \$4,119.20; 2, \$3,478; 3, \$2,748.36; 8, \$4,942.08; 9, \$3,460.10; 11, \$3,490.43; 13, \$2,593.88.

Division 4, High Line Canal.

The following bids were received under specification No. 95, at the office of the U. S. Reclamation Service, Provo, Utah, for the construction of division 4 of the High Line Canal, Strawberry Valley reclamation project, Utah:

Bid 1. Reynolds-Ely Construction Co., Springville, Utah.

2. Wasatch Grading Co., Dooley Building, Salt Lake City, Utah.

3. G. H. Gilkerson, Newhouse Building, Salt Lake City, Utah.

4. Morrison-Knudsen Co., 13 Shaw Block, Boise, Idaho.

5. Utah Construction Co., Eccles Building, Ogden, Utah.

6. Mendenhall, Straw & Bird Construction Co., Springville, Utah.

7. Jacobsen-Bade Co., 575 Bush street, San Francisco, Cal.

8. Enoch Smith, 319 Kearns Building, Salt Lake City, Utah.

9. Intermountain Bridge and Construction Co., Tecumseh, Neb.

10. Bates & Rogers Construction Co., Lindelle Block, Spokane, Wash.

11. W. O. Morrison, 409 Cooper Building, Denver, Colo.

Item 1. 117,400 cu yds excavation, class 1—Bid 1, 22c; 2, 12.5c; 3, 17.5c; 4, 14.5c; 5, 13.85c; 6, 27.75c; 7, 21c; 8, 24c; 9, 21.5c; 10, 15.5c; 11, 16c.

2. 24,100 cu yds excavation, class 2—Bid 1, 22c; 2, 39c; 3, 38c; 4, 37.5c; 5, 36c; 6, 27.75c; 7, 35c; 8, 24c; 9, 21.5c; 10, 35c; 11, 38c.

3. 13,000 cu yds excavation, class 3—Bid 1, 22c; 2, 84c; 3, \$1; 4, 90c; 5, 85c; 6, 27.75c; 7, 75c; 8, 75c; 9, 85c; 10, 90c; 11, 98c.

4. 10,000 yds stationery overhaul—Bid 1, 2c; 2, 2c; 3, 2c; 4, 2c; 5, 2c; 6, 2c; 7, 2c; 8, 2c; 9, 2c; 10, 2c; 11, 2c.

5. 2,500 cu yds excavation for structure, class 1—Bid 1, 50c; 2, 50c; 3, 70c; 4, 50c; 5, 60c; 6, 50c; 7, 50c; 8, 75c; 9, 40c; 10, 40c; 11, 60c.

6. 100 cu yds excavation for structure, class 3—Bid 1, \$1; 2, \$1; 3, \$1.50; 4, \$3; 5, \$2; 6, \$1.50; 7, \$2; 8, \$1; 9, \$3; 10, \$1.75; 11, \$1.25.

7. 1,250 cu yds concrete in structure—Bid 1, \$8; 2, \$7.70; 3, \$8; 4, \$7.45; 5, \$8.50; 6, \$9.25; 7, \$9; 8, \$10.90; 9, \$12; 10, \$9.75; 11, \$13.

8. 135,000 lbs placing reinforced steel—Bid 1, 5-10c; 2, 1.5c; 3, 1.5; 4,

3.4c; 5, 1c; 6, 5-10c; 7, 2c; 8, 5-10c; 9, 1.5c; 10, 1.4c; 11, 2c.

9. 2,200 cu yds backfilling—Bid 1, 50c; 2, 40c; 3, 45c; 4, 50c; 5, 45c; 6, \$1.25; 7, 30c; 8, 50c; 9, 40c; 10, 25c; 11, 50c.

10. 25 cu yds rock fill—Bid 1, \$1.35; 2, \$1.25; 3, \$2; 4, \$2; 5, \$1.50; 6, \$1.50; 7, \$2; 8, \$1; 9, \$2; 10, \$2; 11, \$2.50.

11. 100 sq yds paving—Bid 1, \$1.35; 2, \$1.50; 3, \$2.50; 4, \$2; 5, \$1.50; 6, \$2.50; 7, \$2.50; 8, \$1; 9, \$3; 10, \$2.50; 11, \$2.50.

12. 200 lin ft laying 6-in vitrified pipe—Bid 1, 8c; 2, 10c; 3, 15c; 4, 15c; 5, 15c; 6, 10c; 7, 25c; 8, 10c; 9, 25c; 10, 18c; 11, 18c.

13. 100 lin ft laying 12-in vitrified pipe—Bid 1, 15c; 2, 15c; 3, 25c; 4, 20c; 5, 25c; 6, 20c; 7, 75c; 8, 15c; 9, 40c; 10, 23c; 11, 26c.

14. 50 lin ft laying 18-in vitrified pipe—Bid 1, 25c; 2, 25c; 3, 35c; 4, 30c; 5, 35c; 6, 40c; 7, \$1.25; 8, 20c; 9, 60c; 10, 35c; 11, 48c.

15. 50 lin ft laying 24-in vitrified pipe—Bid 1, 40c; 2, 35c; 3, 50c; 4, 40c; 5, 60c; 6, 60c; 7, \$1.25; 8, 30c; 9, \$1; 10, 60c; 11, 65c.

16. 36 lin ft laying 36-in cast iron pipe—Bid 1, \$1.50; 2, 45c; 3, \$1; 4, \$1; 5, \$1; 6, 90c; 7, \$2; 8, \$2; 9, \$5; 10, \$1.50; 11, \$5.50.

17. 462,000 sq ft 4-in concrete canal lining—Bid 1, 7.5c; 2, 7.5c; 3, 6.4c; 4, 7.5c; 5, 10c; 6, 9.5c; 7, 10c; 8, 10c; 9, 10c; 10, 11.9c; 11, 12c.

18. 5,300 sq ft 2 1/2-in concrete canal lining—Bid 1, 7c; 2, 7c; 3, 6c; 4, 6.5c; 5, 10c; 6, 8.5c; 7, 9c; 8, 10c; 9, 10c; 10, 11.9c; 11, 9c.

Total—Bid 1, \$82,624.75; 2, \$84,364.95; 3, \$89,762; 4, \$89,895.50; 5, \$97,911.90; 6, \$104,214.15; 7, \$106,408; 8, \$108,274.50; 9, \$108,315; 10, \$110,207.45; 11, \$119,113.

SAN FRANCISCO—Commanding Officer's Quarters, 2 story and base, brick, \$12,000. Engineer, Constructing Quartermaster's Office, Fort Mason. Owners, United States Government. Bids opened for this work show Adolph Wegner of San Francisco low at \$11,987 and \$11,862. All bids have been taken under advisement. A complete list of these figures will be found under the heading of San Francisco.

HALLS AND SOCIETY BUILDINGS.

YOUNTVILLE, NAPA CO., CAL.—Amusement hall and library, 1 story, frame. Cost not stated. Architect, State Architect George B. McDougall, Sacramento. Owners, State of California. Plans have been completed and figures are now being taken for a frame and plaster amusement hall and library to be erected at the Veterans' Home at Yountville. Interior will be finished in pine and redwood. A large open fire place and brick mantel will be used. Exterior of the building will be covered with cement plaster. Plans are complete and can be secured from the office of the State Department of Engineering, Forum Bldg., Sacramento. Bids will be opened on March 17th. An official proposals appears in another column of this issue.

SACRAMENTO, CAL.—Lodge hall, 4 story and base. Class C construction, \$125,000. Architect, Carl Werner, Phelan Bldg., S. F. Owners, Sacramento Scottish Rite Cathedral Association.

The building will be erected at the southeast corner of 28th and L streets, and will cover a large ground area. The entire building will be used by the owners. Interior will be finished in pine, hardwoods and ornamental plaster. Considerable art glass is specified. There will be steam heat, elevator service, vacuum cleaning and dumb waiters. Special decorative effects are specified. Exterior of the building will be faced with pressed brick trimmed with terra cotta. Marble and tile wainscot will be used. Plans are now being prepared.

KLAMATH FALLS, ORE. — Lodge hall and stores, 2 story and base, brick and concrete, \$50,000. Architects, Houghtaling & Dugan, Henry Bldg., Portland. Owners, Klamath Falls Elks' Hall Association. The building will cover an area of 50 by 100 feet. Besides stores, the first floor will contain a ladies' parlor, reading and lounging rooms, billiard room and cafe. Basement will be arranged for swimming pool, locker rooms and gymnasium. A large banquet hall and lodge rooms will occupy the second floor. Interior will be finished in pine and hardwood with ornamental plaster. There will be steam heat and vacuum cleaning. Exterior of the building will be faced with red pressed brick and terra cotta. Plans are now being prepared.

HOSPITALS.

FRESNO, FRESNO CO., CAL.—Hospital ward and doctor's residence, frame and brick construction. Cost not stated. Architects, Glass & Butner, Rowell Bldg., Fresno. Owners, Fresno County. Additional information has been received from Architects Glass & Butner regarding the three new buildings to be erected at the Fresno County Farm. While only preliminary plans have been prepared, the architects state that the plans approved by the Board of Supervisors provide for a tubercular ward building to accommodate 44 male and 6 female patients. Another building designed as a training school for nurses will have accommodations for 18 nurses. Plans are also being prepared for a one-story brick residence for a doctor's home. The other two buildings will probably be of frame and plaster construction with clay tile roofs. Further mention will be made of the work when plans are complete.

HOTELS.

OLYMPIA, WASH.—Hotel, 7 story and base, steel and brick, \$100,000. Architect, V. W. Voorhees, Eitel Bldg., Seattle. Owners, Olympia Hotel Co. The building will cover an area of 120 by 120 feet and will be of fireproof construction. Bids have been taken and show Martin & Dougan, Northern Bank Bldg., low at \$100,000. They will probably be awarded the contract.

ANAHEIM, ORANGE CO., CAL.—Hotel, 4 story and base, brick and steel. Cost not stated. Architect, Eugene M. Durfee, Anaheim. Owner, John Ziegler. The building will be erected at the corner of Center and Lemon streets, covering an area of 70 by 100 feet. The first floor will be arranged for banking rooms for the

Anaheim National Bank and the dining room and kitchen of the hotel. Upper floors will contain a total of 54 guest rooms and a number of private and public baths. Interior finish will be of pine throughout except in the banking rooms which will be finished in hardwood, tile and ornamental plaster. Plans provide for steam heat, elevator service and a hot water system. Exterior of the building will be faced with pressed brick. Plans are now being prepared.

Contracts Awarded.

OAKLAND, CAL. — Hotel finishing construction. Cost not stated. Architect, none. Owners, Claremont Hotel Co. Contractor, John Carson, Bacon Bldg., Oakland. Contract price not stated.

PANAMA-PACIFIC EXPOSITION WORK.

NOTICE TO CONTRACTORS, CONCESSIONAIRES, EXHIBITORS AND ALL OTHERS INTERESTED. PANAMA-PACIFIC INTERNATIONAL EXPOSITION—Effective Wednesday, February 17th, 1915. No material may be removed from the Exposition Grounds without a permit signed by J. S. Teager, Room 103, Festival Hall, Exposition Grounds. Please see that this permit is obtained before endeavoring to take material of any description through the gates. In cases of privately owned equipment or material of which Mr. Teager may not be expected to have intimate knowledge, it is advisable that you present to him some memorandum evidencing that the removal of the material is proper. H. D. H. CONNICK, Director of Works.

POST OFFICES

FRESNO, FRESNO CO., CAL.—Post office alteration. Cost not stated. Architect, R. D. Wilson, assistant supervising architect, Post Office Bldg., S. F. Owners, United States Government. If the suggestion of Postmaster Earl Hughes is carried out, the entire carrier department will be moved into the basement, making more room for the distribution of mail. Better ventilation and light must be provided if the basement is to be used by the carriers. Plans are being prepared.

RAILROAD CONSTRUCTION AND EQUIPMENT.

SAN BERNARDINO, SAN BERNARDINO CO., CAL.—Railroad construction. Cost not stated. Engineer's name not given. Owners represented by Attorneys Leonard, Surr & Hellyer, San Bernardino. It was learned that a new railroad is soon to be built on the desert, when the San Bernardino Mountain Railroad Company filed a condemnation suit against interests near Victorville, in order to construct a line from a point near that city to new quarries that are to be opened about six miles distant, at the base of the mountains. Attorneys Leonard, Surr & Hellyer and H. L. Carnahan of Riverside, represent the new railroad line in the litigation, and the defendants are Carl Leonardt, W. R. Clark, A. G. Hubbard and Russ Avery. Leonardt is himself planning the construction of a railroad to the site of a ce-

ment plant he is contemplating building in the same vicinity.

RESIDENCES.

SAN FRANCISCO—Residence, 2 story and base, frame, \$4,000. Architect, H. C. Bauman, Chronicle Bldg., S. F. Owners, Lyon & Hoag, 660 Market street, S. F. The dwelling will be erected on the east side of 45th avenue north of Anza, and has been designed for a seven-room house with bath and sleeping porch. Interior finish will be of pine and redwood with some elm panels. Hardwood floors will be used in the living and dining rooms and reception hall. There will be open fire places and tile or brick mantels. An automatic water heater will be installed. Bath room will be finished in tile. Exterior of the house will be covered with rustic and cement plaster on metal lath. Plans are complete and in the hands of the owners who will do the work by Day Labor.

SAN FRANCISCO—Residence, 2 story and base, frame, \$2,500. Architect, none. Owner, Oscar Lind, 4385 25th street, S. F. The dwelling will be erected on the west side of 10th avenue south of Balboa street, and has been designed to contain five rooms and bath. Pine and redwood interior finish will be used. There will be some hardwood floors. Plans provide for open fire places and tile or brick mantels. Tile wainscot will be used in the bath room. Exterior of the house will be covered with rustic and cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor.

SAN FRANCISCO—Residence, 3 story and base, brick and steel, \$55,000. Architect, Louis P. Hobart, Crocker Bldg., S. F. Owner, Mrs. Sidney M. Ehrman. The dwelling will be erected on upper Broadway, and has been designed to contain twenty rooms, seven baths and sleeping porches. A separate garage will be erected on the property. Interior finish will be of pine, redwood and hardwoods with white enamel in the bed rooms. Plans provide for a central heating system, probably steam heat, a hot water circulating system, vacuum cleaning and dumb waiters. Hardwood floors will be used throughout. Bath rooms will be finished in tile and equipped with high class plumbing fixtures. Exterior of the house will be faced with pressed brick trimmed with cut stone. Plans are complete and figures are being taken.

SAN FRANCISCO — Residences, 2 2 story and base, frame, \$6,500 and \$7,500. Architect, William F. Gunnison, Nevada Bank Bldg., S. F. Owner's name withheld. These two dwellings will be erected in Forest Hill and each has been designed to contain seven rooms and bath with sleeping porches and separate garages. Interiors will be finished in pine and hardwood with white enamel in the bed rooms. Hardwood floors will be used throughout. There will be furnace heat and open fire places. Mantels will be of tile and brick. Automatic water heaters will be installed. Bath rooms will be finished in tile. Exterior of the dwellings will be covered with cement plaster on metal lath and brick veneer. Plans are now being prepared.

SAN FRANCISCO—Residences, 2, 2 story and base, frame, \$4,000 each. Architect, Walter G. Vodden, 1015 Cole street, S. F. Owners, Thomas Vodden & Son, 1015 Cole street, S. F. These two houses will be erected on the west side of 16th avenue north of Balboa, and each has been designed to contain seven rooms and bath. Separate garages will be erected. Interiors of the houses will be finished in pine and redwood with some elm panels. Hardwood floors will be used in the living rooms, dining rooms and reception halls. There will be furnace heat and open fire places. Mantels will be of tile or brick. Tile wainscot and floors will be used in the bath rooms. Automatic water heaters will be installed. Exteriors will be covered with cement plaster on metal lath. Plans are complete and the work will be done by Day Labor.

SAN FRANCISCO—Residence, 2 story and base, frame, \$2,500. Architect, none. Owner, A. T. Morris, 501 11th avenue, S. F. The dwelling will be erected on the west side of 11th avenue north of Balboa, and has been designed for a five-room house with bath. Interior finish will be of pine and redwood. Hardwood floors will be used in the living and dining rooms. There will a large open fire place in the living room. Mantel will be of tile or brick. Tile wainscot will be used in the bath room and kitchen. Exterior of the house will be covered with rustic and cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor.

SAN FRANCISCO—Residence, 2 story, attic and base, frame, \$10,000. Architect, William Mooser, Nevada Bank Bldg., S. F. Owner's name withheld. The dwelling will be erected on the north side of Green street near Pierce, and has been designed to contain eight rooms, two baths and sleeping porch. Interior will be finished in pine, redwood and hardwood with white enamel in the bed rooms. Hardwood floors will be used throughout. Plans provide for furnace heat and open fire places. Mantels will be of brick and tile. A hot water circulating system will be installed. Bath rooms will be finished in tile. Exterior of the house will be covered with cement plaster on metal lath. Plans are now being prepared.

SAN FRANCISCO—Residences, 2, 2 story and base, frame, \$3,000 each. Architect, none. Owners, O. Heyman & Bro., 742 Market street, S. F. These two houses will be erected on the east side of 7th avenue south of Geary, in the same locality that the owners have been operating in for some time. Each house will contain six rooms and bath. Interiors will be finished in pine and redwood. Hardwood floors will be used in the living and dining rooms and reception halls. There will be open fire places and tile or brick mantels. Bath rooms will have tile wainscot and composition floors. Automatic water heaters will be installed. Exteriors will be covered with rustic and cement plaster on metal lath. Plans are complete and in the hands of the owners who will do the work by Day Labor. Materials are now being purchased.

OAKLAND, CAL.—Residence, 2 story and base, frame, \$8,000. Architect, Charles W. McCall, Central Bank Bldg., Oakland. Owner's name withheld. The dwelling will be erected in the Crocker Highlands and has been designed for an eight-room house with sleeping porches and two bath rooms. Interior will be finished in pine, redwood and hardwood. Bed rooms will be finished in white enamel. Hardwood floors will be used in the living room, dining room and reception hall. There will be furnace heat and open fire places. Mantels will be of tile and brick. An automatic water heater will be installed. Bath rooms will be finished in tile. Exterior of the house will be covered with cement plaster on metal lath. Plans are complete and figures will be called for at once.

ALBANY, ALAMEDA CO., CAL.—Bungalows, 2, 1 story and base, frame. Cost not stated. Architect, Sidney B. Newsom, Nevada Bank Bldg., S. F. Owner, Louis Newbell. These two houses have been designed to contain five rooms and bath. Interiors will be finished in pine and redwood with some hardwood floors. There will be open fire places and tile or brick mantels. Bath rooms and kitchens will have tile wainscot. Exteriors will be covered with rustic and cement plaster on metal lath. Plans are complete and figures are being taken.

SACRAMENTO, CAL.—Bungalow, 1 story and base, frame, \$2,000. Architect, none. Owner, Charles Lindley, 3217 5th avenue, Sacramento. The dwelling has been designed for a five-room house and will be erected on 36th street near 7th avenue. Interior will be finished in pine and redwood. Some hardwood floors will be used. There will be open fire place and tile mantel. Bath room will have tile wainscot. Exterior of the dwelling will be covered with cement plaster and rustic. Plans are complete and in the hands of the owner, who will do the work by Day Labor. Materials are now being purchased.

WOODLAND, YOLO CO., CAL.—Bungalow, 1 story and base, frame, \$3,500. Architect, Chester H. Miller, Dalziel Bldg., Oakland. Owner, Ralph Schluer. The dwelling has been designed to contain six rooms, bath and sleeping porch. Interior will be finished in pine and redwood with some elm panels. Hardwood floors will be used in the living room, dining room and reception hall. A large open fire place and tile or brick mantel will be used in the living room. There will be tile wainscot in the bath room and kitchen. An automatic water heater will be installed. Exterior of the house will be covered with cement plaster on metal lath. Plans are complete and figures will be called for at once.

FRESNO, FRESNO CO., CAL.—Residences, 2, 2 story and base, frame, \$2,000 and \$3,000. Architect, none. Owner, W. H. Ackerman, 1245 San Pablo, Fresno. These dwellings will be erected in the Alta Vista Tract and have been designed to contain six and seven rooms. Interiors will be finished in pine, redwood and hardwood. Hardwood floors will be used in the living room, dining room and reception hall. There will be open fire places and tile or brick mantels. Bath rooms will

have tile wainscot. Automatic water heaters will be installed. Exteriors will be covered with rustic and cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor. Materials are now being purchased.

FRESNO, FRESNO CO., CAL.—Bungalow, 1 story and base, frame, \$1,500. Architect, none. Owner, A. D. Trusdell, 437 San Pablo street, Fresno. The dwelling will be erected on San Pablo street, and has been designed for a five-room house with bath. Interior finish will be of pine and redwood throughout. Some hardwood floors will be used. An open fire place and tile mantel will be used in the living room. Tile wainscot will be used in the bath room and kitchen. Exterior of the house will be covered with rustic and cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor. Materials are now being purchased.

FRESNO, FRESNO CO., CAL.—Residence, 2 story and base, frame, \$10,000. Architects, Glass & Butner, Rowell Bldg., Fresno. Owner, Mrs. Henry Clinch. The dwelling has been designed to contain eight rooms, two baths and sleeping porches. Interior will be finished in pine and mahogany with hardwood floors in the principal rooms. There will be furnace heat and open fire places. Mantels will be of tile or brick. Bath rooms will have tile wainscot and floors. Automatic water heaters will be installed. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are now being prepared.

FRESNO, FRESNO CO., CAL.—Bungalow, 1½ story and base, frame, \$3,500. Architects, Glass & Butner, Rowell Bldg., Fresno. Owner, Herbert Levy. The dwelling has been designed to contain seven rooms and bath. Interior will be finished in pine and redwood with some hardwood veneer. Hardwood floors will be used in the living room, dining room and reception hall. There will be furnace heat and open fire places. Mantels will be of tile or brick. Tile wainscot will be used in the bath room. An automatic water heater will be installed. Exterior of the house will be covered with cement plaster on metal lath. Plans are complete and a contract will be awarded shortly.

OAKLAND, CAL.—Bungalow, 1 story and base, frame, \$3,000. Architect, none. Owner, James McGuinness, 5615 East 16th street, Oakland. The dwelling will be erected on north Park Boulevard east of Greenwood, and has been designed to contain seven rooms, bath and sleeping porch. Interior will be finished in pine, redwood and hardwood with some white enamel in the bed rooms. Hardwood floors will be used in the living and dining rooms. There will be open fire places and tile or brick mantels. Bath room will have tile wainscot. An automatic water heater will be installed. Exterior of the house will be covered with cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor. Materials are now being purchased.

LOS ALTOS, SANTA CLARA CO., CAL.—Residence, 2 story and base, frame. Cost not stated. Architect,

John Hudson Thomas, First National Bank Bldg., Berkeley. Owner, E. J. McCutchen. The dwelling has been designed for a country home and will contain eleven rooms, three baths and sleeping porches. A separate garage will be erected on the property. Interior of the house will be finished in pine and redwood. Hardwood floors will be used in the principal rooms. White enamel will be used in the bed rooms. There will be furnace heat and open fire places. Mantels will be of tile and brick. Tile wainscot will be used in the bath rooms. Automatic water heater will be installed. Exterior of the house and garage will be covered with cement plaster on metal lath. Plans are complete and figures are now being taken.

STOCKTON, SAN, JOAQUIN CO., CAL.—Parsonage, 2 story and base, brick, \$10,000. Architect, John J. Foley, 46 Kearny street, S. F. Owner, St. Gertrude's Parish. The dwelling will contain ten rooms and three baths. Interior will be finished in pine and hardwood with hardwood floors in the principal rooms. There will be furnace heat and open fire places. Mantels will be of brick. Tile floors and wainscot will be used in the bath rooms. There will be a hot water circulating system. Exterior of house will be faced with pressed brick. Plans are complete and now out for figures.

SAN FRANCISCO—Residence, 2 story and base, frame, \$3,000. Architect, T. Patterson Ross, 310 California street, S. F. Owner, R. De Luca. The dwelling will be erected on the east side of Jones street south of Lombard and has been designed for a seven-room house with bath and sleeping porch. Interior will be finished in pine and hardwood veneer. Hardwood floors will be used in the living and dining rooms. There will be open fire places and tile or brick mantels. Bath room will have tile wainscot and composition floor. An automatic water heater will be installed. Exterior of the house will be covered with rustic and cement plaster on metal lath. Plans are nearly ready for figures.

SAN FRANCISCO—Residence, 2 story and base, frame, \$3,000. Architect, none. Owner, A. R. Lapham, 511 12th avenue, S. F. The dwelling will be erected on the west side of 12th avenue north of Balboa, and has been designed for a six-room house with bath. Interior finish will be of pine and redwood with some elm panels. Hardwood floors will be used in the living and dining rooms and reception hall. There will be open fire places and tile mantels. Bath room will have tile wainscot. An automatic water heater will be installed. Exterior of the house will be covered with rustic and cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor.

RICHMOND, CONTRA COSTA CO., CAL.—Residence, 2 story and base, frame, \$5,000. Architect, James T. Nabett, Berry Bldg., Richmond. Owner, T. Park Jacobs. The dwelling has been designed for an eight-room house with bath and sleeping porch. Interior finish will be of pine, redwood and hardwood veneer. Hardwood floors will be used in the living room, dining room and reception hall. There will be fur-

nace heat and open fire places. Mantels will be of tile or brick. An automatic water heater will be installed. Tile wainscot will be used in the bath room. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are now being prepared.

MARTINEZ, CONTRA COSTA CO., CAL.—Residence, 2 story and base, frame, \$3,000. Architect, James T. Nabett, Berry Bldg., Richmond. Owner, J. Leo Baker. The dwelling will contain six rooms and bath. Interior finish will be of pine and redwood. Hardwood floors will be used in the living room, dining room and reception hall. There will be an open fire place and tile mantel. Tile wainscot will be used in the bath room and kitchen. An automatic water heater will be installed. Exterior of the house will be covered with cement plaster on metal lath. Plans are now being prepared.

Contracts Awarded.

OAKLAND, CAL.—Residence, 2 story and base, frame, \$6,000. Architect, W. P. Stephenson, Berkeley. Owner, W. W. Fogg. Contractor, F. A. Muller, Syndicate Bldg., Oakland. Contract price, \$6,000. Note: The contractor is now taking subfigures on the work.

FRESNO, FRESNO CO., CAL.—Residence, 2 story and base, frame, \$5,000. Architects, Glass & Butner, Rowell Bldg., Fresno. Owner, Charles Doyle. Contractors, Norris & Wallace, Fresno. Contract price, \$5,000.

FRESNO, FRESNO CO., CAL.—Residence, 2 story and base, frame, \$10,000. Architects, Glass & Butner, Rowell Bldg., Fresno. Owner, A. L. Braverman. Contractors, Trewhitt & Shields, Fresno. Contract price, \$10,000.

LOS ANGELES, CAL.—Residence, 2 story and base, hollow tile and brick. Cost not stated. Architects, Dennis & Hewitt, Fay Bldg., L. A. Owner, George C. Huntsberger. Contractors, Huntsberger-Reed Construction Co., Van Nuys Bldg., L. A. Contract price not stated.

SCHOOLS.

NEWARK, ALAMEDA CO., CAL.—School, 1 story and base, frame and plaster, \$16,000. Architect not selected. Owners, Newark School District. Nine sets of competitive plans were submitted to the Newark School Trustees on February 16th for the construction of the new building, which is to cost \$16,000. The trustees have taken all plans under consideration until the next meeting of the board. Probably ten days will elapse before the winning design is announced.

CHICO, BUTTE CO., CAL.—Rural school, 1 story, frame. Cost not stated. Architect, State Architect George B. McDougall, Sacramento. Owners, State of California. Plans have been completed for a model rural school which is to be erected in connection with the State Normal School at Chico. Plans are complete and ready for figures. Bids will be opened on March 16th. Plans and specifications can be secured from the State Department of Engineering. An official proposal appears in another column of this issue.

FRESNO, FRESNO CO., CAL.—Temporary schools, 10, 1 story, frame. Cost not stated. Architect, Advisory Archi-

tect W. D. Coates, Rowell Bldg., Fresno. Owners, City of Fresno. Bids will be received by the board of education up to 8 p. m. February 26, for furnishing all labor and material for the erection of ten emergency school buildings in accordance with plans and specifications on file in the office of W. D. Coates.

VISALIA, TULARE CO., CAL.—School, 1 story, frame and plaster, \$7,500. Architect, C. K. Kirby, Fresno. Owners, City of Visalia. The building will contain three rooms and office. Interior will be finished in pine. There will be modern school plumbing. Exterior will be covered with cement plaster on metal lath. Plans are now being prepared.

WATTS, LOS ANGELES CO., CAL.—School, 1 story and base, brick, \$30,000. Architects, Tuttle & Angel, Delta Bldg., L. A. Owners, City of Watts. The building will contain from eight to ten class rooms, assembly hall and teachers' room. Interior will be finished in pine with maple floors in the class rooms. There will be a central heating system, probably warm air system. Exterior will be faced with pressed brick. Preliminary plans are being prepared.

LOS ANGELES, CAL. — School, 1 story and base, brick. Cost not stated. Architect, C. F. Skillings, Garland Bldg., L. A. Owners, City of Los Angeles. The building will be erected in the Hostette School District and has been designed to contain four class rooms and assembly hall. Interior will be finished in pine throughout. There will be modern school plumbing and a central heating system. Exterior of the building will be faced with pressed brick. Plans are now being prepared.

Contracts Awarded.

FRESNO, FRESNO CO., CAL. — School, 2 story and base. Class C construction, \$103,988. Architect, Eugene Mathewson, Forsyth Bldg., Fresno. Advisory Architect, W. D. Coates, Rowell Bldg., Fresno. Owners, City of Fresno. Contractors, Trewhitt & Shields, Fresno. Contract price, \$103,988. This building is known as the Washington School.

SAN FRANCISCO — Finishing construction Academic building, \$86,906. Architect, City Department of Architecture, Temporary City Hall, S. F. Owners, City and County of San Francisco. Contractor, P. F. Reilly, S. F. Contract price, \$86,906.

SAN FRANCISCO—School fire escapes, \$7,250. Architect, City Department of Architecture, Temporary City Hall, S. F. Owners, City and County of San Francisco. Contractors, Golden Gate Iron Works, S. F. Contract price, \$7,250.

LOS ANGELES, CAL. — School 1 and 2 story and base, hollow tile, \$45,000. Architect, Robert M. Taylor, Marsh-Strong Bldg., L. A. Owners, Cienega School District. Contractors, F. O. Engstrom Co., 5th and Seaton streets, L. A., general construction, \$34,593; Howe Bros., plumbing, \$3,527; F. E. Newberry Electric Co., electric work, \$1,338; Foss & Jones, heating and ventilating, \$4,565; Z. L. Parmelee, electric fixtures, \$840, and Standard Electric Time Co., program clocks, \$644.

SEWERS, STREET WORK & WATER SYSTEMS.

NAPA, NAPA CO., CAL.—Paving and concrete work. Cost not stated. Engineer, City Engineer, Napa. Owners, City of Napa. A resolution of intention has been passed to print by the City Council that the roadway on East First street from the west end of the concrete bridge to the east end of the stone bridge, be sub-graded, macadamized and oiled to its full width; also that the roadway on the bridge from the east end to the center line be sub-graded, macadamized and oiled, and that a cement concrete retaining wall be constructed at the northeast end of the bridge; also that the north retaining wall be extended by stone masonry work, construction of concrete curbs and two catchbasins with iron stone pipe six inches in diameter.

MODESTO, STANISLAUS CO., CAL. Steel tank. Cost not stated. Engineer, City Engineer George Freitas, Modesto. Owners, City of Modesto. At a special meeting of the City Council plans and specifications prepared by City Engineer George Freitas for the proposed 100,000-gallon steel water tank to be erected at the Eighth street pumping station were adopted and bids were ordered called for. The bids close March 10th.

SACRAMENTO, CAL.—Cement, 2,200 barrels. Cost not stated. Engineer, City Engineer, Sacramento. Proposals are now being called for on furnishing Sacramento County with 2,200 barrels more or less of cement. Bids will be opened on March 2. Complete information can be obtained from the County Clerk at Sacramento.

SACRAMENTO, CAL.—Street paving. Cost not stated. Engineer, City Engineer, Sacramento. Owners, City of Sacramento. All bids received recently for the improvement of D street from Eleventh to Fifteenth street were rejected as being above the amount available. New bids will be called for at once.

RIVERSIDE, RIVERSIDE CO., CAL.—Storm water sewer system. Cost not stated. Engineer, City Engineer Campbell, Riverside. Owners, City of Riverside. City Engineer Campbell has presented plans and specifications for changes to be made in the storm drainage sewer system in Fairmount Boulevard formerly Almond street. On approval of the plans bids will probably be called for on the work.

Contracts Awarded

FRESNO, FRESNO CO., CAL.—Street paving. Cost not stated. Engineer, City Engineer, Fresno. Owners, City of Fresno. Contractors, Worswick Street Paving Co., Union Bank Bldg., Fresno. Contract price, 11½¢ for grading and 15½¢ for paving.

SACRAMENTO, CAL.—Electroliners. Cost not stated. Engineer, City Engineer, Sacramento. Owners, City of Sacramento. Contractors, Scott, Lyman & Stack, Sacramento. Contract price not stated. This contract covers the installation of electroliners on Maple avenue.

REDDING, SHASTA CO., CAL.—Street paving, \$20,000. Engineer, City Engineer, Redding. Owners, City of Redding. Contractors, Chico Construction Co., Chico. Contract price, \$20,000.

SAN FRANCISCO—Civic Center plumbing, \$3,400. Engineer, City Engineer, Temporary City Hall, S. F. Owners, City and County of San Francisco. Contractors, Wittman-Lyman Co., S. F. Contract price, \$3,400.

STORES AND OFFICES.

SAN FRANCISCO—Stores, 1 story and base, reinforced concrete, \$10,000. Architect, William F. Gunnison, Nevada Bank Bldg., S. F. Owner, R. L. Anderson. The building will be erected on the east side of Fillmore street north of Sutter, having a frontage of 25 feet and a depth of 90 feet. There will be two stores. Interiors will be finished in pine throughout. There will be large plate glass display windows and patent store fronts. Modern plumbing and electric work will be installed. Exterior of the building will be faced with Verdi marble and metal. Plans are complete and figures have been taken. A contract will be awarded at once.

SAN FRANCISCO—Stores, 1 story and base, frame, \$5,000. Architect, none. Owner, Mark Dobrin, 859 Elizabeth street, S. F. The building will be erected on the south side of Lombard street west of Baker and will cover an area of 30 by 55 feet. Interior will be finished in pine and redwood. There will be patent store fronts and plate glass windows. Exterior of the building will be covered with cement plaster. Plans are complete and in the hands of the owner who will do the work by Day Labor. Materials are now being purchased.

SAN FRANCISCO—Stores, 1 story, base and mezzanine, brick and steel, \$18,000. Architect, William F. Gunnison, Nevada Bank Bldg., S. F. Owner, Theo. E. Rulfs. The building will be erected at the southeast corner of Jones and Pine streets, covering an area of 37½ by 87½ feet. There will be five modern stores. Interiors will be finished in pine and redwood with hardwood in the display windows. Plans provide for a cement floor and patent store fronts. Marble wainscot and base will be used. Exterior of the building will be faced with Verdi marble and pressed brick. Plans are complete and figures are being taken.

LOS ANGELES, CAL.—Stores and lofts, 3 story and base, reinforced concrete. Cost not stated. Architect, W. J. Saunders, Laughlin Bldg., L. A. Owner's name withheld. The building will be erected on Los Angeles street between 6th and 7th streets and will have a frontage of 40 feet and a depth of 135 feet. There will be reinforced concrete walls, floors and roof slabs. Interior will be finished in pine. Plans provide for elevator service and steam heat. Metal window sash and frames will be used. Exterior of the building will be faced with pressed brick. Plans are now being prepared.

THEATRES.

OAKLAND, CAL.—Theatre, stores and offices, 11 story and base. Class A construction, \$600,000. Architect, Carl Werner, Phelan Bldg., S. F. Owners, Archon Co. The building will be erected at the northwest corner of Franklin and 14th streets, and will cover a considerable ground area. There will

be a number of stores besides the theatre entrance on the first floor. Upper floors will be arranged for the body of the theatre and a large number of modern offices. Construction will be fireproof throughout with a complete steel frame and walls and floors of concrete. Interior will be finished in pine, hardwood, metal trim and ornamental plaster. Marble and tile wainscot will be used. There will be steam heat, elevator service and a vacuum cleaning system. Patent store fronts and hollow tile partitions are specified. Exterior of the building will be faced with pressed brick trimmed with terra cotta. Plans are now being completed.

VENICE, LOS ANGELES CO., CAL.—Theatre, 2 story, brick and steel. Cost not stated. Architect, C. H. Russell, Story Bldg., L. A. Owner, Col. Thomas Prior. The building will be erected on Ocean Front and Windward avenues, covering an area of 100 by 160 feet. The main portion of the building will contain a theatre seating 800 people. Arrangements have also been made for a large cafe and amusement devices. There will be steam heat. Interior finish will be of pine and ornamental plaster. Exterior of the building will be faced with pressed brick. Plans are now being prepared.

SEALED PROPOSALS

NOTICE TO CONTRACTORS.

PROPOSALS FOR THE CONSTRUCTION OF THREE ADOBE DAY SCHOOL BUILDINGS.

DEPARTMENT OF THE INTERIOR, Office of Indian Affairs, Washington, D. C., February 12, 1915.—SEALED PROPOSALS, plainly marked on the outside of the sealed envelopes, "Proposals for the construction of three combination adobe day school buildings, San Xavier School, Arizona," addressed to the Commissioner of Indian Affairs, Washington, D. C., will be received at the Indian Office until 2 P. M. of March 22, 1915, for furnishing materials and labor for the construction of three combination adobe day school buildings at Indian Oasis, Ventana, and Comohabi, Indian villages under the jurisdiction of the San Xavier School, Arizona, in strict accordance with the plans, specifications and instructions to bidders, which may be examined at this Office, U. S. Indian Warehouse at Chicago, Ill., St. Louis, Mo., and Omaha, Nebraska; the Builders and Traders Exchange of St. Paul, Minn.; at the San Xavier School, Arizona, and at the office of the newspaper in which this advertisement appears. For further information apply to HENRY J. McQUIGG, Superintendent San Xavier School, Tucson, Arizona. Cato Sells, Commissioner. (6)

PROPOSALS FOR PUMPING PLANT.

PUMPING PLANT—U. S. Engineer's Office, 602 Burke Building, Seattle, Wash.—Sealed proposals for pumping plant for Lake Washington canal locks will be received at this office until 12 noon, March 15, 1915, and then publicly opened. Information on application to U. S. engineer office, Seattle, Wash.; Chicago, Ill., or New York, J. B. CAVANAUGH, major, engineers.

NOTICE TO CONTRACTORS.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., February 15, 1915.—SEALED PROPOSALS will be opened in this office at 3 P. M., March 22, 1915, for the construction complete (including mechanical equipment, lighting fixtures,

and approaches) of a two-story and basement stone and brick faced building of 10,300 square feet ground area, fireproof construction, composition roof, for the United States Post Office at Everett, Wash. Drawings and specifications may be obtained from the custodian at Everett, Wash., or at this office, in the discretion of the Supervising Architect. O. WENDEROTH, Supervising Architect.

PROPOSALS FOR CONCRETE AND EXCAVATION.

CONCRETE AND EXCAVATION—Department of the Interior, U. S. Reclamation Service, Washington, D. C.—Sealed proposals will be received at the office of the United States Reclamation Service, Provo, Utah, until 2 o'clock p. m. March 10, 1915, for construction, involving about 12,800 yards of excavation and 2,100 yards of reinforced concrete. The work is located near Payson City, Utah, on the San Pedro, Los Angeles and Salt Lake Railroad and the Tintic branch of the Denver and Rio Grande Railroad. For particulars address the United States Reclamation Service, Provo, Utah, or Washington, D. C. A. P. DAVIS, director and chief engineer.

PROPOSALS FOR EXCAVATING.

EXCAVATION — Department of the Interior, U. S. Reclamation Service, Washington, D. C.—Sealed proposals will be received at the office of the United States Reclamation Service, Grand Junction, Colo., until 2 o'clock p. m. March 10, 1915, for about 640,000 yards of canal excavation. The work is situated in the vicinity of Grand Junction and Fruita, Colo. For particulars address the United States Reclamation Service, Grand Junction, Colo., or Washington, D. C. A. P. DAVIS, director and chief engineer.

NOTICE TO CONTRACTORS.

SEALED bids will be received by W. F. McClure, State Engineer, Forum Building, Sacramento, California, up to and including 12 o'clock, noon, Wednesday, March 17, 1915, said bids, then and there to be publicly opened and read for furnishing all plant, materials, and labor, and doing the work required for the complete construction and erection of a building to be known as the Amusement Hall and Library, Veterans' Home, Yountville, California, in accordance with the plans and specifications therefor, copies of which may be obtained on application to the State Department of Engineering, Sacramento, California.

Such bids will be received for the Entire Work, and must be submitted on forms prepared and furnished by the State Department of Engineering.

Cash, a bidder's bond, or a certified check in the sum of ten per centum (10%) of the amount of the bid must accompany each bid.

A deposit of Ten (\$10.00) Dollars will be required on plans and specifications, the deposit to be returned on the return of the plans and specifications to the State Department of Engineering, Sacramento, California, in good condition.

The State Department of Engineering reserves the right to reject any and all bids and to waive any informality in any bid received.

All bids must be addressed to W. F. McClure, State Engineer, Sacramento, California, and plainly marked on the envelope: "Proposals for Amusement Yountville, California."

(Signed) W. F. McCLURE,
State Engineer.

NOTICE TO CONTRACTORS.

SEALED bids will be received by W. F. McClure, State Engineer, Forum Building, Sacramento, California, up to and including 12 o'clock, noon, Tuesday, March 16, 1915, said bids then and there to be publicly opened and read for furnishing all plant, materials, and labor, and doing the work required for the complete construction and erection of a building to be known as the Model Rural School, Chico State Normal School, Chico, California, in accordance with the plans and

specifications therefor, copies of which may be obtained on application to the State Department of Engineering, Sacramento, California.

Such bids will be received for the Entire Work, and must be submitted on forms prepared and furnished by the State Department of Engineering.

Cash, a bidder's bond, or a certified check in the sum of ten per centum (10%) of the amount of the bid must accompany each bid.

A deposit of Ten (\$10.00) Dollars will be required on plans and specifications, the deposit to be returned on the return of the plans and specifications to the State Department of Engineering, Sacramento, California, in good condition.

The State Department of Engineering reserves the right to reject any and all bids and to waive any informality in any bid received.

All bids must be addressed to W. F. McClure, State Engineer, Sacramento, California, and plainly marked on the envelope: "Proposals for Model Rural School, Chico State Normal School, Chico, California."

(Signed) W. F. McCLURE,
State Engineer.

NOTICE TO STEEL ROLLING DOOR MANUFACTURERS.

Office of the Board of State Harbor Commissioners, Union Depot and Ferry House, San Francisco, Cal., February 15, 1915.

SEALED PROPOSALS or bids will be received at this office at or prior to 11 o'clock A. M., on Thursday, March 4, 1915, for furnishing and installing steel rolling doors on the shed on Pier No. 24 on the waterfront of the City and County of San Francisco, in accordance with the plans and specifications prepared for these doors by the Assistant State Engineer, and adopted by the Board, February 3, 1915, and on file in this office, to which special reference is hereby made.

No bid will be received unless it is made on a blank form furnished from this office. Each bid shall be accompanied by a certified check for an amount equal to five (5) per cent of the amount of the proposal, to be made payable to the order of the Secretary of the Board, conditioned that if the proposal is accepted and the contract awarded, and if the bidder shall fail or neglect to execute a contract and give the bond required within six days after the award is made, in that case said sum mentioned in said check shall be deemed liquidated damages for such failure and neglect and shall be paid into the San Francisco Harbor Improvement Fund.

The bond required to be not less than one-half of the amount of the bid, with two or more sureties to be approved by the Board of State Harbor Commissioners, and conditioned for the faithful performance by the contractor of all the terms and conditions of said contract according to the true intent and meaning thereof and to the satisfaction of said Board; and said bond shall also be effective as provided in an act approved May 1, 1911, for the protection of material men, mechanics and laborers.

Bids will not be considered by this Board unless delivered to the Secretary or to the Assistant Secretary at the office of the Secretary, Room 17, Ferry Building, at or prior to 11 o'clock A. M. on Thursday, March 4, 1915, at which time and place the bids will be opened.

The Board reserves the right to reject any or all bids if deemed for the best interest of the State.

Bidders are invited to be present at the opening of the bids.

Plans and specifications of this work to be had at Room 18, Union Depot and Ferry House, upon depositing \$20.00 for same, which will be returned on return of plans and specifications.

Bidders are requested to mark envelope containing bid: "Bid for Steel Rolling Doors."

J. J. DWYER,
THOMAS S. WILLIAMS,
J. H. McCALLUM,
Board of State Harbor Commissioners.
JEROME NEWMAN,
Assistant State Engineer.
LEO. V. MERLE, JR.,
Secretary. (*)

PROPOSALS FOR PUMPING PLANT.

PUMPING PLANT—U. S. Engineer Office, 602 Burke Building, Seattle, Wash.—Sealed proposals for pumping plant for Lake Washington canal locks will be received at this office until noon March 15, 1915, and then publicly opened. Information on application to U. S. engineer office, Seattle, Wash.; Chicago, Ill., or New York, N. Y. J. B. CAVANAUGH, major, engineers.

INVITATION FOR PROPOSALS.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., February 1, 1915—SEALED PROPOSALS will be opened in this office at 3 P. M., March 25, 1915, for the construction complete (including mechanical equipment, except elevator, lighting fixtures, and approaches) of the United States Post Office and Court House at Pendleton, Oregon. Three-story and basement, fireproof building; ground area, 5,500 square feet; stone, terra cotta, and brick facing. Drawings and specifications may be obtained, after February 11, 1915, from the Custodian of site at Pendleton, Oregon, or at this office, in the discretion of the Supervising Architect. O. WENDEROTH, Supervising Architect. (*)

NOTICE TO CONTRACTORS.

SEALED BIDS will be received by W. F. McClure, State Engineer, Forum Building, Ninth and K Streets, Sacramento, California, up to and including 12 o'clock, noon, Monday, March 1, 1915, said bids then and there to be publicly opened and read for furnishing all plant, materials, and labor, and doing the work required for the complete construction and erection of a building to be known as the "Superintendent's Residence," Southern California State Hospital, Patton, California, in accordance with the plans specifications therefor, copies of which may be obtained on application to the State Department of Engineering, Sacramento, California.

Such bids will be received for the Entire Work, and must be submitted on forms prepared and furnished by the State Department of Engineering.

Cash, a bidder's bond, or a certified check in the sum of ten per centum (10%) of the amount of the bid must accompany each bid.

A deposit of Ten (\$10.00) Dollars will be required on plans and specifications, the deposit to be returned immediately on the return of the plans and specifications to the State Department of Engineering, at Sacramento, California, in good condition.

The State Department of Engineering reserves the right to reject any and all bids and to waive any informality in any bid received.

All bids must be addressed to W. F. McClure State Engineer, Sacramento, California, and plainly marked on the envelope: "Proposal for Superintendent's Residence, Southern California State Hospital, Patton, California."

(SIGNED) W. F. McCLURE,
State Engineer. (*)

PROPOSALS FOR FOUNDATIONS.

FOUNDATIONS — Sealed proposals indorsed "Proposals for Foundations for Radio Towers" will be received at the naval station, Cavite, P. I., or at the bureau of yards and docks, Navy Department, Washington, D. C., until 11 o'clock a. m. March 13, 1915, and then and there publicly opened, for the construction of concrete and pile foundations for three 600-foot steel radio towers at the naval station, Cavite, P. I. Plans and specifications may be obtained on application to the bureau or to the commandant of the naval station named. H. R. STANFORD, chief of bureau.

NOTICE TO CONTRACTORS.

SEALED bids will be received by W. F. McClure, State Engineer, Forum Building, Sacramento, California, up to and including 12 o'clock, noon, Monday, March 1, 1915, said bids then and there to be publicly opened and read

W. R. BRODE, Pres. LOUIS R. HOLM, Sec. R. J. BRODE, Vice-Pres.

BRODE IRON WORKS

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for furnishing all plant, materials, and labor, and doing the work required for the complete construction and erection of a building to be known as the "Superintendent's Residence," Southern California State Hospital, Patton, California, in accordance with the plans and specifications therefor, copies of which may be obtained on application to the State Department of Engineering, Sacramento, California.

Such bids will be received for the Entire Work, and must be submitted on forms prepared and furnished by the State Department of Engineering.

Cash, a bidder's bond, or a certified check in the sum of ten per centum (10%) of the amount of the bid must accompany each bid.

A deposit of Ten (\$10.00) Dollars will be required on plans and specifications, the deposit to be returned immediately on the return of the plans and specifications to the State Department of Engineering at Sacramento, California, in good condition.

The State Department of Engineering reserves the right to reject any and all bids and to waive any informality in any bid received.

All bids must be addressed to W. F. McClure, State Engineer, Sacramento, California, and plainly marked on the envelope: "Proposals for Superintendent's Residence, Southern California State Hospital, Patton, California."

(Signed) W. F. McCLURE,
State Engineer.

PROPOSALS FOR FOUNDATIONS.

FOUNDATIONS—Sealed proposals indorsed "Proposals for Foundations for Radio Towers" will be received at the bureau of yards and docks, Navy Department, Washington, D. C., until 11 o'clock a. m. February 27, 1915, and then and there publicly opened, for the construction of nine foundations for radio towers at the United States naval reservation, Chollas Heights, San Diego, Cal. Plans and specifications may be obtained on application to the bureau. H. R. STANFORD, chief of bureau.

PROPOSALS FOR CANAL SUPPLIES.**PROPOSALS FOR FOUNDATIONS.**

FOUNDATIONS, RADIO TOWERS—Sealed proposals indorsed "Proposals for Foundations for Radio Towers" will be received at the naval station, Pearl Harbor, Hawaii, or at the bureau of yards and docks, Navy Department, Washington, D. C., until 11 o'clock a. m., February 27, 1915, and then and there publicly opened, for the construction of concrete foundations for three 600-foot steel radio towers at the naval station, Pearl Harbor, Hawaii. Plans and specifications may be obtained on application to the bureau or to the commandant of the naval station named. H. R. STANFORD, chief of bureau.

PROPOSALS FOR STEEL TOWERS.

STEEL TOWERS—Sealed proposals, indorsed "Proposals for Steel Towers," will be received at the bureau of yards and docks, Navy Department, Washington, D. C., and at the U. S. naval station, Cavite, P. I., until 11 o'clock a. m., February 27, 1915, and then and there publicly opened for the construction and erection of three 600-foot steel towers at each of the following naval stations: San Diego, Cal.; Pearl Harbor, Hawaii, and Cavite, P. I. Plans and specifications may be obtained on application to the bureau or at the naval stations named upon deposit of \$25 as security for their return. H. R. STANFORD, chief of bureau.

DAM IS 351 FEET HIGH.

Work on the great Arrow Rock dam on the Boise river, Idaho, is approaching completion and could, if necessary, be finished within a few weeks, although probably it will go on for another year. The dam will be 351 feet high, 100 feet wide and about 400 feet long at the base and 1,060 feet long at the top. It is of reinforced concrete, of which 530,000 cubic yards have been used. It will store water to a depth of 330 feet. The back water will extend 20 miles upstream, making a lake containing 230,000 acre-feet of water. A thousand tons of steel have been used for the five gates.

CANADIAN BOND ISSUES.

The total issue of Canadian bonds for the calendar years 1913 and 1914, according to a statement in the Toronto Globe for January 2, 1915, was as follows: Government and municipal bonds—\$168,828,475 in 1913 and \$171,233,000 in 1914; corporate bonds—\$182,580,154 in 1913 and \$81,650,000 in 1914; total—\$35,408,629 in 1913 and \$252,883,000 in 1914.

PANAMA'S CAISSON GATE.

A floating caisson gate that is believed to be the largest of its kind ever built has been completed at San Francisco and towed to the Panama canal, where it is to be used when required as a dam across the entrance to any of the locks when the gates are to be repaired or painted or when a lock is to be unwatered for any reason.

MONEY FOR ALASKAN RAILWAY.

Secretary Lane has asked the House Appropriation Committee to include \$2,000,000 in the sundry civil bill for the Alaskan government railway. The limit of expense for construction of the railway is \$35,000,000. Of this, \$1,000,000 has been appropriated and mostly spent in surveys.

HUGH HOGAN JOINS THE HUNTER LUMBER COMPANY.

The Hunter Lumber Company are going after the trade in Alameda county on a larger scale than ever before, having lately opened up a mill in connection with their yard at Webster street, on the estuary, and also interesting Mr. Hugh Hogan in their firm.

In addition to a full stock of lumber this enterprising firm carries a complete line of the Paraffine Paint Company's goods, including Ru-ber-oid, P & B paper, etc.

Prompt service and good stuff can be had at the Hunter Lumber Co. Give them a call.

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Management. Chester W. Kelley

APPROPRIATION MADE FOR OREGON RECLAMATION WORK.**THE GAS ENGINE AND ITS USES.**

reported to have discovered a process by which a material, called "betun industrial," can be prepared by mixing certain kinds of ground rock with tar at a high temperature. This gives, he claims, a very hard, durable, and cheap paving material, which can be used to advantage over thin concrete beds. He also prepares a material that can be used in the manufacture of bricks, tiles, pipes, etc.

HARDENING STEEL.

The usual method of hardening steel by immersion in oil or water or alkaline baths, it is said, results in the formation of a line of considerable tension between the hardened and unhardened parts. By the use of compressed air, however, the zones of cooling may be carefully graduated and much better results obtained. By adapting the shape of the nozzle to the work a wide range of results is possible.

GIANT LOCOMOTIVES.

At present the largest locomotive reported to be in use is a huge compound engine which measures 120 feet over all and weighs 850,000 pounds. It is an oil burner and carries 4,000 gallons of oil and 12,000 gallons of water. It cost \$43,380 to build. These giants have reached a point where one locomotive is so long that it is hinged in the middle with a flexible joint so that it can turn a curve without upsetting.

ADVANCE NEWS

Classified according to Location

SAN FRANCISCO.

RESIDENCE—2 story and base, frame, \$4,000. San Francisco. Architect, H. C. Bauman, Chronicle Bldg., S. F. Owners, Lyon & Hoag, 660 Market street, S. F. The dwelling will be erected on the east side of 45th avenue north of Anza, and has been designed for a seven-room house with bath and sleeping porch. Interior finish will be of pine and redwood with some elm panels. Hardwood floors will be used in the living and dining rooms and reception hall. There will be open fire places and tile or brick mantels. An automatic water heater will be installed. Bath room will be finished in tile. Exterior of the house will be covered with rustic and cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor.

RESIDENCE—2 story and base, frame, \$2,500. San Francisco. Architect, none. Owner, Oscar Lind, 4385 11th street, S. F. The dwelling will be erected on the west side of 10th avenue south of Balboa street, and has been designed to contain five rooms and bath. Pine and redwood interior finish will be used. There will be some hardwood floors. Plans provide for open fire places and tile or brick mantels. Tile wainscot will be used in the bath room. Exterior of the house will be covered with rustic and cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor.

RESIDENCE—3 story and base, brick and steel, \$55,000. San Francisco. Architect, Louis P. Hobart, Crocker Bldg., S. F. Owner, Mrs. Sidney M. Ehrman. The dwelling will be erected on upper Broadway and has been designed to contain twenty rooms, seven baths and sleeping porches. A separate garage will be erected on the property. Interior finish will be of pine, redwood and hardwoods with white enamel in the bedrooms. Plans provide for a central heating system, probably steam heat, hot water circulating system, vacuum cleaning and dumb waiters. Hardwood floors will be used throughout. Bath rooms will be finished in tile and equipped with highclass plumbing fixtures. Exterior of the house will be faced with pressed brick trimmed with stone. Plans are complete and figures are being taken.

RESIDENCES—2, 2 story and base, frame, \$6,500 and \$7,500. San Francisco. Architect, William F. Gunnison, Nevada Bank Bldg., S. F. Owner's name withheld. These two dwellings will be erected in Forest Hill, and each has been designed to contain seven rooms and bath with sleeping porches and separate garages. Interiors will be finished in pine and hardwood with white enamel in the bed rooms. Hardwood floors will be used throughout. There will be furnace heat and open

fire places. Mantels will be of tile and brick. Automatic water heaters will be installed. Bath rooms will be finished in tile. Exteriors of the dwellings will be covered with cement plaster on metal lath and brick veneer. Plans are now being prepared.

RESIDENCES—2, 2 story and base, frame, \$4,000 each. San Francisco. Architect, Walter G. Vodden, 1015 Cole street, S. F. Owners, Thomas Vodden & Son, 1015 Cole street, S. F. These two houses will be erected on the west side of 16th avenue north of Balboa, and each has been designed to contain seven rooms and bath. Separate garages will be erected. Interior of the houses will be finished in pine and redwood with some elm panels. Hardwood floors will be used in the living rooms, dining rooms and reception halls. There will be furnace heat and open fire places. Mantels will be of tile or brick. Tile wainscot and floors will be used in the bath rooms. Automatic water heaters will be installed. Exteriors will be covered with cement plaster on metal lath. Plans are complete and the work will be done by Day Labor.

RESIDENCE—2 story and base, frame, \$2,500. San Francisco. Architect, none. Owner, A. T. Morris, 501 11th avenue, S. F. The dwelling will be erected on the west side of 11th avenue north of Balboa, and has been designed for a five-room house with bath. Interior finish will be of pine and redwood. Hardwood floors will be used in the living and dining rooms. There will be a large open fire place in the living room. Mantel will be of tile or brick. Tile wainscot will be used in the bath room and kitchen. Exterior of the house will be covered with rustic and cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor.

RESIDENCE—2 story, attic and base, frame, \$10,000. San Francisco. Architect, William Mooser, Nevada Bank Bldg., S. F. Owner's name withheld. The dwelling will be erected on the north side of Green street near Pierce, and has been designed to contain eight rooms, two baths and sleeping porch. Interior will be finished in pine, redwood and hardwood with white enamel in the bed rooms. Hardwood floors will be used throughout. Plans provide for furnace heat and open fire places. Mantels will be of brick and tile. A hot water circulating system will be installed. Bath rooms will be finished in tile. Exterior of the house will be covered with cement plaster on metal lath. Plans are now being prepared.

RESIDENCES—2, 2 story and base, frame, \$3,000 each. San Francisco. Architect, none. Owners, O. Heyman & Bro., 742 Market street, S. F. These two houses will be erected on the east side of 7th avenue south of Geary, in the same locality that the owners have

been operating in for some time. Each house will contain six rooms and bath. Interiors will be finished in pine and redwood. Hardwood floors will be used in the living and dining rooms and reception hall. There will be open fire places and tile or brick mantels. Bath rooms will have tile wainscot and composition floors. Automatic water heaters will be installed. Exteriors will be covered with rustic and cement plaster on metal lath. Plans are complete and in the hands of the owners who will do the work by Day Labor. Materials are now being purchased.

APARTMENT HOUSE—2 story and base, frame. Cost not stated. San Francisco. Architect, Albert Schroeffer, Foxcroft Bldg., S. F. Owner's name withheld. The building will be erected on 7th avenue near I street, and has been designed to contain stores on the first floor and a number of two and three room suites on the upper floor. Interior finish will be of pine and redwood. All apartments will have wall beds and private bath rooms. Tile wainscot will be used in the baths. A hot water system is included in the work. Exterior of the building will be covered with shiplap and rustic. Plans are complete and figures are being taken.

APARTMENT HOUSE—3 story and base, frame, \$10,000. San Francisco. Architect, C. O. Clausen, Phelan Bldg., S. F. Owner, C. O. Clausen. The building will be erected on the east side of Langton street north of Harrison, and will cover an area of 25 by 59 feet. There will be a total of ten suites of two and three rooms. All suites will have private baths and wall beds. Interior finish will be of pine and redwood. There will be tile wainscot in the bath rooms. Exterior of the building will be covered with rustic and shiplap. Plans are complete and the work will be done by Day Labor. Materials are now being purchased.

APARTMENT HOUSE—4 story and base. Class C construction, \$25,000. San Francisco. Architect, Albert Schroeffer, Foxcroft Bldg., S. F. Owner's name withheld. The building has been designed to contain a number of two and three room apartments, all of which will have wall beds and private bath rooms. Interiors will be finished in pine, redwood and elm. Some hardwood floors will be used. There will be steam heat, an automatic elevator and hot water supply. Bath rooms will be finished in tile with composition floors. Marble and tile wainscot will be used in the entrance and lobby. Exterior of the building will be faced with pressed brick. Plans are complete and figures will be called for at once.

STEEL ROLLING DOORS—Cost not stated. San Francisco. Engineer, Assistant State Engineer Newman, Ferry Bldg., S. F. Owners, State of California. Plans are complete and figures are being taken for furnishing and in-

stalling steel rolling doors in the wharf shed on Pier 24. Bids will be opened on March 4th. Plans and specifications can be secured from the office of Engineer Newman. Bids will be opened by the State Board of Harbor Commissioners.

FLATS—2 story and base, frame, \$5,000. San Francisco. Architect, none. Owners, C. J. and W. J. Keenan, northeast corner of Central avenue and Hayes street, S. F. The building will be erected at the northeast corner of California and 20th avenue, covering an area of 25 by 69 feet. There will be two modern flats of five and six rooms. Interiors will be finished in pine, redwood and elm. Hardwood floors will be used in the living and dining rooms and reception halls. There will be open fire places in the living rooms. Mantels will be of tile and brick. Bath rooms will be finished in tile. Automatic water heaters will be installed. Exterior of the building will be covered with shiplap and cement plaster on metal lath. Plans are complete and in the hands of the owners who will do the work by Day Labor. Materials are now being purchased.

FACTORY—2 story and base. Class C construction. Cost not stated. San Francisco. Architect, Albert Schroeffer, Foxcroft Bldg., S. F. Owner's name withheld. The building will be erected on Minna street between 7th and 8th streets. The building will cover a considerable ground area. The first floor will be of cement. Interior finish will be of pine throughout. Metal window sash and frames are specified. Exterior of the building will be faced with stock brick. Plans are complete and figures are being taken.

GARAGE—2 story and base. Class A construction, \$25,000. San Francisco. Architect, Maxwell G. Bugbee, Lick Bldg. Owner, Charles F. Hanlon. The building will be erected at the northwest corner of St. George Place and Bush street. The building has been designed for one of the largest and best appointed commercial garages in the city, and will contain storage space, a completely equipped machine shop and wash rooms. A cement floor will be used on the first story. Interior will be finished in pine throughout. There will be steel roof trusses and metal window sash and frames. Exterior of the building will be faced with pressed brick. Plans are complete and figures have been taken.

COMMANDING OFFICER'S QUARTERS—2 story and base, brick, \$12,000. San Francisco. Engineer, Constructing Quartermaster's Office, Fort Mason. Owners, United States Government. Bids opened for this work show Adolph Wegner of San Francisco low at \$11,987 and \$11,862. All bids have been taken under advisement. A complete list of these figures will be found under the heading of San Francisco.

STORES—1 story and base, reinforced concrete, \$10,000. San Francisco. Architect, William F. Gunnison, Nevada Bank Bldg., S. F. Owner, R. L. Anderson. The building will be erected on the east side of Fillmore street north of Sutter, having a frontage of 25 feet and a depth of 90 feet. There will be two stores. Interiors will be finished in pine throughout.

There will be large plate glass display windows and patent store fronts. Modern plumbing and electric work will be installed. Exterior of the building will be faced with Verdi marble and metal. Plans are complete and figures have been taken. A contract will be awarded at once.

STORES—1 story and base, frame, \$5,000. San Francisco. Architect, none. Owner, Mark Dobrin, 858 Elizabeth street, S. F. The building will be erected on the south side of Lombard street west of Baker and will cover an area of 30 by 55 feet. Interior will be finished in pine and redwood. There will be patent store fronts and plate glass windows. Exterior of the building will be covered with cement plaster. Plans are complete and in the hands of the owner who will do the work by Day Labor. Materials are now being purchased.

STORES—1 story, base and mezzanine, brick and steel, \$18,000. San Francisco. Architect, William F. Gunnison, Nevada Bank Bldg., S. F. Owner, Theo. E. Rulfs. The building will be erected at the southeast corner of Jones and Pine streets, covering an area of 37½ by 87½ feet. There will be five modern stores. Interiors will be finished in pine and redwood with hardwood in the display windows. Plans provide for a cement floor and patent store fronts. Marble wainscot and base will be used. Exterior of the building will be faced with Verdi marble and pressed brick. Plans are complete and figures are being taken.

APARTMENT HOUSE—4 story and base. Class C construction, \$50,000. San Francisco. Architect, A. W. Burgen, Holbrook Bldg., S. F. Owner's name withheld. The building will be erected on Hyde street near Geary and has been designed to contain a number of two and three room apartments with wall beds and private baths. There will be a large social room and lobby on the main floor. Interior will be finished in pine and hardwood with hardwood floors. Plans provide for steam heat, elevator service, a hot water system and vacuum cleaning. Bath rooms will have tile wainscot and composition floors. Marble and tile wainscot will be used in the entrance. Exterior of the building will be faced with pressed brick trimmed with terra cotta. Plans are nearly complete and figures will be called for next week.

CITY HALL BRONZE WORK Cost, not stated. San Francisco. Architects, Bakewell & Brown, 251 Kearny street, S. F. Owners, City and County of San Francisco. Plans have been completed and figures are now being called for on furnishing and installing the ornamental bronze work in connection with the City Hall. Bids for this work will be opened on March 17th by the Board of Public Works. Plans and specifications can be secured from the City Department of Architecture, Temporary City Hall.

RESIDENCE—2 story and base, frame, \$3,000. San Francisco. Architect, T. Patterson Ross, 310 California street, S. F. Owner, R. De Luca. The dwelling will be erected on the east side of Jones street south of Lombard, and has been designed for a seven-room house with bath and sleeping porch. Interior will be finished in pine and hardwood veneer. Hardwood floors

will be used in the living and dining rooms. There will be open fire places and tile or brick mantels. Bath room will have tile wainscot and composition floor. An automatic water heater will be installed. Exterior of the house will be covered with rustic and cement plaster on metal lath. Plans are nearly ready for figures.

RESIDENCE—2 story and base, frame, \$3,000. San Francisco. Architect, none. Owner, A. R. Lapham, 51 12th avenue, S. F. The dwelling will be erected on the west side of 12th avenue north of Balboa, and has been designed for a six-room house with bath. Interior finish will be of pine and redwood with some elm panels. Hardwood floors will be used in the living and dining rooms and reception hall. There will be open fire places and tile mantels. Bath rooms will have tile wainscot. An automatic water heater will be installed. Exterior of the house will be covered with rustic and cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor.

Contracts Awarded.

FINISHING CONSTRUCTION ACAD-EMIC BUILDING—\$86,906. San Francisco. Architect, City Department of Architecture, Temporary City Hall, S. F. Owners, City and County of San Francisco. Contractor, P. F. Reilly, S. F. Contract price, \$86,906.

SCHOOL FIRE ESCAPES—\$7,250. San Francisco. Architect, City Department of Architecture, Temporary City Hall, S. F. Owners, City and County of San Francisco. Contractors, Golde Gate Iron Works, S. F. Contract price, \$7,250.

CIVIC CENTER PLUMBING—\$3,400. San Francisco. Engineer, City Engineer, Temporary City Hall, S. F. Owners, City and County of San Francisco. Contractors, Wittman-Lyman Co., S. F. Contract price, \$3,400.

City Bids Opened.

Bids Were Opened at The Wednesday Afternoon Meeting of the Board of Works For Drilling Well.

Three bids were presented to the Board of Public Works for drilling a well on the Fire Department lot bounded by 44th and 45th avenues, Noreiga and Ortega streets. The bid of J. E. Breitweiser was not considered as it was not accompanied by a check. The other two bids were as follows: A. Paulsen, \$3,100, and J. B. Rogers, \$2,930.

General Contractors Hold Annual Meeting.

On the evening of February 11th, the stockholders of the General Contractors' Association held their Annual Meeting.

The following were elected to serve on the Board of Directors for the ensuing year: A. H. Bergstrom, Grant Fee, Thos. B. Goodwin, Harvey A. Klyce, Chas. J. U. Koenig, Wm. Linden, A. F. Lindgren, Ralph McLeran, Clar-

ence M. Moore, E. T. Thurston and Chas. Wright.

Messrs. Edward Ginley, Chas. W. Gompertz, Frank P. Lansing and Geo. H. Walker, having served on the Board for two years or more, declined to serve again this year. The new Board will convene early in March and the officers for the ensuing year will be elected.

The Annual Meeting was largely attended and the annual reports of the officers showed that the affairs of the Association were in a very satisfactory condition and a marked progress made during the year.

Western Lumbermen's Association Close Convention.

The Twelfth Annual Conference of the Western Retail Lumbermen's Association came to a successful close last Friday night in a blaze of glory. About three hundred delegates and their wives assembled around the festive board to eat, drink and be merry. R. A. Hiscox filled the Toast Master's Chair and kept the merriment going until a late hour.

Speeches were made by Tum-a-lum Crawford, W. B. Dean, R. O. Nelson, Col. Wm. H. Miller, J. M. Esworthy, A. L. Porter, F. W. Trower and others. Music and songs held the revelers' attention until a late hour.

The most important business transacted at the morning session was the election of officers and the selection of a place for the 1916 convention.

J. M. Crawford of Walla Walla, Wash., was elected President; W. B. Dean of Chico, Cal., Vice President, and A. L. Porter of Spokane, Secretary.

Portland, Oregon, was chosen for the next convention in February, 1916.

Bids For Commanding Officer's Quarters.

Adolph Wezner Submits Low Bids for Constructing New Quarters at Fort Winfield Scott.

Fourteen sets of figures were opened in the office of the Constructing Quartermaster at Fort Mason on February 16th at noon for constructing Commanding officer's Quarters at Fort Winfield Scott. The building will be a three-story brick structure. Adolph Wezner submitted the lowest bid at \$11,987 on Prop. 2, and \$11,862 on Prop. 3.

Bids were taken for the work as follows: Prop. No. 1, building complete; No. 2, building complete except plumbing, heating, lighting fixtures and with tile roof; Prop. No. 3, same as Prop. No. 2, except slate roof; Prop. No. 4, deduction if government does the excavating and foundation work. Following is a complete list of the bids.

Commanding Officer's Quarters.

Adolph Wezner—Prop. No. 2, \$11,987; Prop. No. 3, \$11,862; Prop. No. 4, \$641.
H. S. Sharp—Prop. No. 2, \$12,200; Prop. No. 3, \$12,100; Prop. No. 4, \$1,500.
R. Ehrhart—Prop. No. 2, \$12,390; Prop. No. 3, \$12,270; Prop. No. 4, \$1,880.
J. Collin—Prop. No. 2, \$12,724; Prop. No. 3, \$12,675; Prop. No. 4, \$2,500

Robert Trost—Prop. No. 2, \$13,157; Prop. No. 3, \$13,039; Prop. No. 4, \$1,860.
M. Fisher—Prop. No. 2, \$13,473; Prop. No. 3, \$13,473; Prop. No. 4, \$1,700.

Pringle-Dunn & Co.—Prop. No. 2, \$13,500; Prop. No. 3, \$13,500.

L. G. Bergren & Son—Prop. No. 1, \$16,340; Prop. No. 2, \$13,572; Prop. No. 3, \$13,420; Prop. No. 4, \$2350.

Frank M. Garden Co.—Prop. No. 2, \$13,580; Prop. No. 3, \$13,510; Prop. No. 4, \$2,190.

Lester H. Stock—Prop. No. 2, \$13,865; Prop. No. 3, \$13,756; Prop. No. 4, \$2,179.

T. Elam & Son—Prop. No. 2, \$15,300; Prop. No. 3, \$14,898; Prop. No. 4, \$2,800.

H. L. Peterson—Prop. No. 1, \$19,552; Prop. No. 2, \$17,249; Prop. No. 3, \$16,949.

J. J. Leonard—Prop. No. 1, \$19,500; Prop. No. 2, \$17,314; Prop. No. 3, \$17,164; Prop. No. 4, \$2,200.

Monson Bros.—Prop. No. 1, \$19,887; Prop. No. 2, \$19,882; Prop. No. 3, \$19,627; Prop. No. 4, \$2,160.

Building Contracts Awarded.

San Francisco

No.	Owner.	Contractor	Amt.
492	Osborne	Healing	500
493	Gagan	Novelty	400
494	Hogan	Montgomery	650
495	Sunzero	Sunzero	400
496	Giberson	Ferguson	400
497	Corbin	Corbin	400
498	Burtoni	Burtoni	500
499	Graner	Graner	1850
500	G G Film	Collins	500
501	McClenahan ..	McClenahan	2000
502	Lynch	Lynch	12000
503	Phelan	Scully	3000
504	Phelan	Scully	3000
505	Tierny	Coburn	600
506	Landeau	Ichters	525
507	Cartwright ..	Cartwright	400
508	Williams	Greitzer	450
509	Prudential Life	Brumfield	1000
510	Murray	Cameron	5500
511	Creighton	Creighton	500
512	Stanford Univ	Wilhelm	8717
513	Same	Tittle	745
514	Same	Scott	1030
515	Same	Penny	19895
516	Same	Snook	2180
517	Stewart	Hendricks	3492
518	Rulfs	Heidenreich	1720
519	Dean	Klimm	1175
520	Same	Percy	651
521	Same	De Lew	718
522	Same	Wilhelm	6553
523	Same	Kissel	850
524	Same	G G Iron	1100
525	Same	Hock	2800
526	Same	Forbes	3045
527	Same	MacGruer	1060
528	Weismann	Mager	6750
529	Fleisher	Greater City	3100
530	Caglieri	Delucchi	2900
531	Leventritt	Duval	16815
532	Morris	Morris	2150
533	Klopstock	Koschnitzki	8500
534	Bauer	Bauer	4500
535	Giaritta	Giaritta	6000
536	Lurmann	Lurmann	12875
537	Delmoly	Francesconi	5550
538	Town	Vulcan	7596
539	P P I E	Raisch	19000
540	Merrill	Otis	8000
541	Salch	Seaman	7800
542	Rex	Snook	1196
543	Leventritt	Duval	1615

ALTERATIONS

(492) NO. 3798 CLAY. Alter residence
Owner.....Mary C. Osborne, Prem.
Architect...None.
Contractor...Geo. Healing, Sacramento
near Spruce, S. F.
COST, \$500

ELECTRIC SIGN

(493) SW SUTTER AND TAYLOR.
Electric sign.
Owner.....C. R. Gagan, Premises.
Architect...None.
Contractor...Novelty Elec. Sign Co.,
165 Eddy, San Francisco.
COST, \$400

ALTERATIONS

(494) NO. 2036 LOMBARD. New
front and alterations.
Owner.....J. Hogan, Premises.
Architect...None.
Contractor...E. Montgomery, 1318
Broadway, San Francisco.
COST, \$650

ALTERATIONS

(495) NO. 406 PRECITA. Alter store.
Owner.....J. Sunzero, Premises.
Architect...None.
Day's work. COST, \$400

ALTERATIONS

(496) N MAGNOLIA 140 E Buchanan.
Alter and repair residence.
Owner.....Dr. M. S. Giberson, 1902
Union, San Francisco.
Architect...None.
Contractor...Ferguson & Son, 1739
Union, San Francisco.
COST, \$400

ALTERATIONS

(497) NO. 320 WINFIELD. New
front and alter dwelling.
Owner.....Wm. Corbin, 6th & Taylor
San Francisco.
Architect...None.
Day's work. COST, \$400

ADDITION

(498) W CAINE 200 S Lakeview. Add
to dwelling.
Owner.....John Burtoni, 120 Caine,
San Francisco.
Architect...None.
Day's work. COST, \$500

FRAME STORES

(499) NE DIVISADERO & LOMBARD.
One-story frame (12) stores.
Owner.....B. Grauer.
Architect...Oliver Everett, 1940 Web-
ster, San Francisco.
Contractor...J. W. Grauer, 1656 O'Far-
rell, San Francisco.
COST, \$1850

BRICK VAULT

(500) NO. 234 EDDY. Erect brick
vault.
Owner.....G. G. Film Exchange, 234
Eddy, San Francisco.
Architect...Oliver Everett, 1940 Web-
ster, San Francisco.
Contractor...J. Collins, 1535 Hyde,
San Francisco.
COST, \$500

ADDITION

(501) S CHESTNUT 137-6 E Pierce.
Add one-story to frame lodging house
Owner.....T. W. McClenahan, 110
Jessie, San Francisco.
Architect...D. Kearns, 251 Kearny,
San Francisco.
Day's work. COST, \$2000

FRAME FLATS AND STORES

(502) SW CLEMENT & FIFTEENTH
Ave. Three-story and basement
frame (4) flats and stores.
Owner.....A. Lynch, 291 15th Ave.,
San Francisco.
Architect...Edw. E. Young, 251 Kear-
ny, San Francisco.
Day's work. COST, \$12,000

ALTERATIONS

(503) NW FOURTH AND JESSIE.
Divide unoccupied ground floor, con-
struct stairs, minor changes on
plumbing.

Owner.....Mary J. Phelan, Phelan Bldg., San Francisco.
 Architect...C. E. Gottschalk, 958 Phelan Bldg., S. F.
 Contractor..J. E. Scully, 666 Phelan Bldg., San Francisco.
 COST, \$33000

ALTERATIONS

(504) NO. 510 MARKET. Alter store and change front.
 Owner.....Mary L. Phelan, Phelan Bldg., San Francisco.
 Architect...C. E. Gottschalk, 958 Phelan Bldg., S. F.
 Contractor..J. E. Scully, 666 Phelan Bldg., San Francisco.
 COST, \$3000

GARAGE

(505) NO. 3852 CLAY. One-story concrete private garage.
 Owner.....Mrs. Isabella E. Tierny, Premises.
 Architect...None.
 Contractor..Ira W. Coburn, 547 Brannan, San Francisco.
 COST, \$600

ALTERATIONS

(506) NO. 861 KEARNY. Alter saloon and dance hall.
 Owner.....Chas. Landeau, Premises.
 Architect...A. J. Barnett, 114 Faith, San Francisco.
 Contractor..E. Ichters, 75 College Ave., San Francisco.
 COST, \$525

WATER BOILER

(507) N SUTTER 100 W Powell. Install 600-gallon cold water boiler in basement.
 Owner.....Cartwright Hotel Co., Premises.
 Architect...Wooden-Little Co., 33 Fremont, San Francisco.
 Day's work. COST, \$400

ALTERATIONS

(508) SW NOE AND THIRTIETH. Alter dwelling.
 Owner.....C. H. Williams, 502 Call Bldg., San Francisco.
 Architect...None.
 Contractor..I. Greitzer, 1212 Buchanan S. F.
 COST, \$450

SIGN POLES

(509) SW LARKIN & FRANCISCO. Electric sign poles.
 Owner.....Prudential Life Ins. Co.
 Architect...None.
 Contractor..Brumfield Elec. Sign Co., 18 7th, San Francisco.
 COST, \$1000

ALTERATIONS

(510) S FELL 100 E Steiner. Alter, move and make repairs to frame building.
 Owner.....Thos. F. and Isabella J. Murray.
 Architect...M. J. Lyon, Nevada Bank Bldg., San Francisco.
 Contractor..H. C. Cameron, 1628 Woolsey, Berkeley.
 COST, \$5,500

ALTERATIONS

(511) NO. 3438 TWENTY-FIRST. Alter and repair dwelling.
 Owner.....Chas. E. Creighton, 852 Guerrero, San Francisco.
 Architect...None.
 Day's work. COST, \$500

ALTERATIONS

(512) SE CLAY AND WEBSTER. Brick, carpenter, glazing, hardware, lath and plaster, plumbing, sheet metal, tiling, etc., for alterations to 4th floor of Lane Hospital.

Owner.....The Board of Trustees of Leland Stanford Junior University, Premises.
 Architect...Bakewell & Brown, 251 Kearny, San Francisco.
 Contractor..A. H. Wilhelm, 180 Jessie, San Francisco.
 Filed Feb. 15, '15. Dated Feb. 5, '15.
 On 15th of each month..... 75%
 Usual 35 days..... 25%

TOTAL COST, \$8717

Bond, \$4358.50. Surety, Maryland Casualty Co. Limit, May 5, 1915. Forfeit, not less than \$10 or more than \$25 per day. Plans and specifications filed.

(513) ELECTRIC WIRING FOR alterations to 4th floor and engine room, laboratory and morgue on above.

Contractor..H. S. Tittle, 245 Minna, San Francisco.
 Filed Feb. 15, '15. Dated Feb. 6, '15.
 Payments same as above.....

TOTAL COST, \$745

Bond, \$372. Surety, Pacific Coast Casualty Co. Limit, May 5, 1915. Forfeit, none. Plans and specifications filed.

(514) STEAM HEATING AND VENTILATING on above.

Contractor..Scott Co., 243 Minna, San Francisco.
 Filed Feb. 15, '15. Forfeit, Feb. 6, '15.
 Payments same as above.....

TOTAL COST, \$1030

Bond, none. Limit, May 5, 1915. Forfeit, none. Plans and specifications filed.

(515) BRICK, CARPENTER, CONCRETE, glazing, ornamental iron, painting, plaster, excavation, roofing, sheet metal for alterations to engine room, laboratory and morgue on above.
 Contractor..Isaac Penny, Phelan Bldg., San Francisco.
 Filed Feb. 15, '15. Dated Feb. 8, '15.
 Payments same as above.....

TOTAL COST, \$19,895

Bond, \$9947.50. Surety, United States Fidelity & Guaranty Co. Limit, May 5, 1915. Forfeit, not less than \$10 or more than \$20 per day. Plans and specifications filed.

(516) PLUMBING ON ABOVE

Contractor..Frederick W. Snook Co., 596 Clay, San Francisco.
 Filed Feb. 15, '15. Dated Feb. 8, '15.
 Payments same as above.....

TOTAL COST, \$2180

Bond, \$1090. Surety, United States Fidelity & Guaranty Co. Limit, May 5, 1915. Forfeit, none. Plans and specifications filed.

BRICK AND STEEL BUILDING

(517) N ELLIS 87-6 E Mason. Painting, papering, tinting, etc., for seven story and basement brick and steel building.
 Owner...A. O. Stewart by Brandt & Stevens, Hearst Bldg., S. F.
 Architect...Smith & Stewart, 244 Kearny, San Francisco.
 Contractor..P. F. Hendricks, 451 10th Ave., San Francisco.
 Filed Feb. 15, '15. Dated Apr. 28, '14.

As work progresses..... 75%
 Usual 35 days..... 25%

TOTAL COST, \$3492

Bond, limit, forfeit, plans and specifications, none.

BRICK WORK, ETC.

(518) SE PINE AND JONES 37-6 on Jones and 87-6 on Pine. Brick work and terra cotta flues for one-story and basement brick stores.

Owner.....Theo. E. Rulfs, 1179 Pine, San Francisco.
 Architect...William F. Gunnison, 1105 Nevada Bank Bldg., S. F.
 Contractor..Wm. Heidenreich, 12 Henry, San Francisco.

Filed Feb. 15, '15. Dated Feb. 12, '15.
 1st floor joists in place.....\$600
 Completed and accepted..... 690
 Usual 35 days..... 430

TOTAL COST, \$1720

Bond, \$850. Surety, Southwestern Surety Ins. Co. Limit, 12 days after Feb. 15, 1915. Forfeit, \$10. Plans and specifications filed.

PLUMBING CLASS "C"

(519) SW EDDY AND HYDE W 137-6 xS 137-6. Plumbing, piping water closets, wall basins, etc., for one-story Class "C" building.

Owner.....W. E. Dean, 905 Kohl Bldg., San Francisco.
 Architect...Cunningham & Politeo, 1st National Bank Bldg., S. F.
 Contractor..Frank J. Klimm, 221 Oak, San Francisco.

Filed Feb. 15, '15. Dated Feb. 11, '15.
 On 1st and 15th of each month 75%
 Usual 35 days..... 25%

TOTAL COST, \$1175

Bond, \$588. Surety, Maryland Casualty Co. Limit, as required. Forfeit, \$25. Plans and specifications filed.

(520) GALVANIZED IRON WORK ON above.

Contractor..Percy Sheet Metal Works, 340 Guerrero, S. F.
 Filed Feb. 15, '15. Dated Feb. 11, '15.
 Payments same as above.....

TOTAL COST, \$651

Bond, \$326. Surety, Hartford Accident Indemnity Co. Limit, as required. Forfeit, \$25. Plans and specifications filed.

(521) ELECTRICAL WORK ON above.

Contractor..M. A. De Lew, 189 Stevenson, San Francisco.
 Filed Feb. 15, '15. Dated Feb. 11, '15.
 Payments same as above.....

TOTAL COST, \$718

Bond, \$359. Surety, Aetna Accident & Liability Co. Limit, as required. Forfeit, \$25. Plans and specifications filed.

(522) CARPENTER, MILL, ROOF, flooring, store front, glass and glazing, hardware on above:

Contractor..A. H. Wilhelm, 180 Jessie, San Francisco.
 Filed Feb. 15, '15. Dated Feb. 11, '15.
 Payments same as above.....

TOTAL COST, \$6583

Bond, \$3292. Surety, Maryland Casualty Co. Limit, as required. Forfeit, \$25. Plans and specifications filed.

(523) EXTERIOR AND INTERIOR painting and whitewashing on above

Contractor..I. Kissel, 1723 Polk, S. F.
 Filed Feb. 15, '15. Dated Feb. 11, '15.

Payments same as above.....
TOTAL COST, \$850
 Bond, \$425. Surety, Massachusetts Bonding & Insurance Co. Limit, as required. Forfeit, \$25. Plans and specifications filed.

(524) CAST IRON, STEEL AND painting of same on above.
 Contractor..Golden Gate Iron Works, 1541 Howard, S. F.

Filed Feb. 15, '15. Dated Feb. 11, '15.
 Payments same as above.....
TOTAL COST, \$1100
 Bond, \$550. Surety, Pacific Coast Casualty Co. Limit, 15 days. Forfeit, \$25. Plans and specifications filed.

(525) BRICK WORK ON ABOVE.
 Contractor..Chas. H. Hock, 180 Jessie, San Francisco.

Filed Feb. 15, '15. Dated Feb. 11, '15.
 Payments same as above.....
TOTAL COST, \$2800
 Bond, \$1400. Surety, Aetna Accident & Liability Co. Limit, 20 days after notification. Forfeit, \$25. Plans and specifications filed.

(526) EXCAVATING, BULKHEADING, concrete work, side walks, curbing, paving, levels on above.
 Contractor..R. J. H. Forbes, 180 Jessie, San Francisco.

Filed Feb. 15, '15. Dated Feb. 11, '15.
 Payments same as above.....
TOTAL COST, \$3045
 Bond, \$1523. Surety, Aetna Accident & Liability Co. Limit, 25 days. Forfeit, \$25. Plans and specifications filed.

(527) LATH AND PLASTERING ON above.
 Contractor..MacGruer & Co., 110 Jessie, San Francisco.

Filed Feb. 15, '15. Dated Feb. 11, '15.
 Payments same as above.....
TOTAL COST, \$1000
 Bond, \$500. Surety, Maryland Casualty Co. Limit, 20 days after notification. Forfeit, \$25. Plans and specifications filed.

FRAME FLATS

(528) NW SANCHEZ AND JERSEY W 101-9xN 30. All work for three-story frame flats.

Owner.....Fred Weismann.
 Supt.....Edw. McGlynn.
 Contractor..Mager Bros., 110 Jessie, San Francisco.

Filed Feb. 16, '15. Dated ———.
 2nd floor joists in.....\$1687.50
 Brown coated and outside trimmings in place..... 1687.50
 Completed and accepted..... 1687.50
 Usual 35 days..... 1687.50
TOTAL COST, \$6750.00

Bond, \$3350. Surety, Severin and German Mager. Limit, 90 days after Feb. 5. Forfeit, none. Plans and specifications filed.

FRAME STORE

(529) S LOMBARD 165-6 W Baker W 55xS 137-6 W A 569. All work for one-story frame store building.
 Owner.....Ester Fleisher and Mark Dobrin.

Superintendent..S. Saari.
 Contractor..The Greater City Lumber Co., Army & Alabama, San Francisco.

Filed Feb. 16, '15. Dated Feb. 15, '15.
 Payments in installments of not less than \$25 per month, interest at 8%; said \$3100 to be secured

by mortgage
TOTAL COST, \$3100
 Bond, none. Limit, 60 days. Forfeit, none. Plans and specifications filed.

FRAME RESIDENCE

(530) E LARKIN 55 N Lombard N 52-6 xE 105. Excavation, grading, water proofing, concrete work, steel beams and construction of garage for two-story and basement and attic frame residence.

Owner.....G. E. Caglieri, 2353 Larkin San Francisco.
 Architect...Albert Farr, 68 Post, S. F.
 Contractor..G. B. Delucchi, 35 Jasper Place, San Francisco.

Filed Feb. 16, '15. Dated Feb. 15, '15.
 On 15th and 30th of each month 75%
 Usual 35 days..... 25%
TOTAL COST, \$2900
 Bond, \$1500. Surety, Jos. Devencenzi. Limit, 90 days. Forfeit, \$5. Plans and specifications filed.

STORE AND OFFICE BUILDING

(531) SE MISSION AND TWENTY-second E 122-6xS 26-10½. Excavation, filling concrete, structural steel and iron, brick, marble, tiling, glazing, plumbing, painting and electric wiring for two-story store and office building.

Owner.....Marion Leventritt, New York.
 Architect...G. Albert Lansburgh, 709 Mission, San Francisco.
 Contractor..Oliver Duval & Con, Dalziel Bldg., Oakland.

Filed Feb. 16, '15. Dated Feb. 5, '15.
 Frame up\$1500
 Ready for plaster..... 5000
 Completed and accepted..... 5815
 Usual 35 days..... 4500
TOTAL COST, \$16,815

Bond, \$8407.50. Surety, Fidelity & Deposit Co. of Maryland. Limit, June 1, 1915. Forfeit, \$5. Plans and specifications filed.

FRAME DWELLING

(532) W ELEVENTH AVE 225 N Balboa. Two-story and basement frame dwelling.

Owner.....A. T. Morris, 501 11th Ave., San Francisco.
 Architect...None.
 Day's work.....
COST, \$2150

ADDITIONS

(533) W HOWARD 100 N 18th. Additions to present warehouse.
 Owner.....Klopstock Bros., 18th and Howard, San Francisco.

Architect...None.
 Contractor..J. Koschnitzki, 1321 12th Ave., San Francisco.
COST, \$8500

FRAME FLATS

(534) E HARLOW 234 S 16th. Two-story and basement frame (2) flats..

Owner.....Christian and Frida Bauer, 61 Harlow, S. F.
 Architect...C. O. Clausen, Hearst Bldg San Francisco.

Day's work.....
COST, \$4500

NOTE:—Nearly completed.

FRAME STORE AND FLATS

(535) E SCOTT 25 S Chestnut. Three story frame store and 2 flats.
 Owner.....Frank Giaritta, S. F.

Architect...C. O. Clausen, Hearst Bldg., San Francisco.
 Day's work.....
COST, \$6000

NOTE:—Nearly completed.

FRAME APARTMENTS

(536) N SACRAMENTO 174 W Taylor. Three-story and basement frame (6) apartments.

Owner.....F. W. Lurmann, 1351 California, San Francisco.
 Architect...None.
 Day's work.....
COST, \$12,875

FRAME STORE AND FLATS

(537) S LOMBARD 114-10 E Divisadero E 25 S 153-7 m or 1 S 25-7 m or 1 N 157-1½ m or 1. All work except finish hardware, gas and electric fixtures, shades and iron fence for three-story frame store and flats.

Owner.....Theophile Henry and Palmyre Delmoly, 2461½ Lombard, San Francisco.

Architect...Domenico Francesconi.
 Contractor..Domenico Francesconi, 51 Pixley, San Francisco.

Filed Feb. 17, '15. Dated Feb. —, '15.
 Roof on\$1375
 Rough plaster on..... 1375
 Completed 1375
 Usual 35 days..... 1375
TOTAL COST, \$5700

Bond, none. Limit, forfeit, none. Plans and specifications filed.

STORE AND APARTMENTS

(538) S CALIFORNIA 137-6 W Taylor W 137-6xS 137-6. Structural steel work, steel building frame, except fire escapes, stair cases, steel tanks, elevator work and ornamental iron for five-story store and apartment building.

Owner.....Towne Realty Co., 166 Geary, San Francisco.
 Architect...None.

Contractor..Vulcan Iron Works, Kearny and Francisco, S. F.

Filed Feb. 17, '15. Dated Feb. 17, '15.
 On delivery of steel and cast iron bases to building in S. F.... 50%
 On completion 25%
 Usual 35 days..... 25%
TOTAL COST, \$7596

Bond, \$3850. Surety, Equitable Surety Co. Limit, none. Forfeit, \$20. Plans and specifications filed.

ASPHALT SURFACE

(539) EXPOSITION SITE. Special asphaltic wearing surface for Exposition roadways.

Owner.....Panama-Pacific International Exposition Co.
 Architect...None.

Contractor..Raisch Improvement Co., Exposition Site., S. F.

Filed Feb. 17, '15. Dated Jan. 11, '15.
 As work progresses..... 75%
 Usual 35 days..... 25%
TOTAL COST, \$19,000

Bond, \$10,000. Sureties, T. E. Treacy and J. J. Flinn. Limit, 45 days. Forfeit, \$50. Specifications only filed.

ELEVATORS

(540) NW MONTGOMERY & SUTTER W 60xN 34-4½. All work for two electric passenger elevators for California-Pacific Building.

Owner.....Mary S. Merrill.
 Architect...None.

Contractor..Otis Elevator Co., Beach and Stockton, S. F.

Filed Feb. 17, '15. Dated Feb. 15, '15.
 On shipment of engine..... ½
 1st new elevator engine in position ½
 1st new elevator in running order ¼
 Engine of 2nd machine in position ¼

2nd machine in running order
Balance
 TOTAL COST, \$8000
 Bond, none. Limit, 60 days and 90
 days. Forfeit none. Specification/
 only filed

ALTERATIONS

(541) NE GEARY AND MASON E 92-1
 xN 68-9. Alterations and additions
 to 1st story, mezzanine story and
 basement story for present eight-
 story hotel building.
 Owner.....George C. Salch and L. H.
 Fielding, 718 Mission, S. F.
 Architect...C. E. Gottschalk, Phelan
 Bldg., San Francisco.
 Contractor..George B. Seaman (as
 American Studios.)
 Filed Feb. 18, '15. Dated Feb. 18, '15.
 50% of entire work done.....\$1950
 Completed and accepted..... 1950
 Also note payable 60 days from
 date for 1950
 35 days after completion, a note
 payable 60 days from latter
 date for 1950
 TOTAL COST, \$7800
 Bond, \$4000. Surety, Royal Indemnity
 Co. Limit, 40 days. Forfeit, \$10.
 Plans and specifications filed.

PLUMBING AND GAS FITTING

(542) NW STOCKTON & O'FARRELL
 Plumbing and gas fitting for Cafe
 Rex in building.
 Owner.....Cafe Rex.
 Architect...G. Albert Lansburgh, M.
 A. Gunst Bldg., S. F.
 Contractor..Frederick W. Snook Co.,
 596 Clay, San Francisco.
 Filed Feb. 18, '15. Dated Feb. 17, '15.
 Rough plumbing done.....\$448.50
 Completed and accepted..... 448.50
 Usual 35 days..... 299.00
 TOTAL COST, \$1196.00
 Bond, \$598. Surety, United States Fi-
 delity & Guaranty Co. Limit, March
 10, 1915. Forfeit, none. Plans and
 specifications filed.

ALTERATIONS

(543) SE MISSION AND TWENTY-
 second. Certain changes and addi-
 tions to original drawings and speci-
 fications in brick work, plaster, fur-
 ring walls, window frames, etc., of
 contract dated February 5, 1915.
 Owner.....Marion Leventritt, New
 York.
 Architect...G. Albert Lansburgh, M.
 A. Gunst Bldg., S. F.
 Contractor..Oliver Duval & Son, Dal-
 ziel Bldg., Oakland.
 Filed Feb. 18, '15. Dated Feb. 17, '15.
 Payments of 75% as provided in
 original contract 25%
 Usual 35 days..... 25%
 TOTAL COST, \$1615
 Bond, \$900. Surety, Fidelity & De-
 posit Co. of Maryland. Forfeit, limit,
 none. Plans and specifications filed.

LEASES

Feb. 15, 1915—NO. 3201 PACIFIC AVE
 Hulda H B Brown to Arthur Eloes-
 ser. 3 years. \$100 per month.
 Feb. 15, 1915—NO. 2791 BUSH. Vin-
 cenzo Franchi to S Fabbri. 3 years.
 \$2160.
 Feb. 13, 1915—SE LOMBARD & SCOTT
 S 100x E 27-6. Grisostomo Giusti to
 D Falk and S Sussman. 1 year. \$1560
 with option to renew.
 Feb. 17, 1915—NO. 290 O'FARRELL.
 Louis T Samuels to E Serghison.

Nov. 1, 1918. \$85 per month.

Feb. 18, 1915—E MISSION 100 N 17th
 N 25x E 105. P R Ward, T B Good-
 win and R J Harper to Geo Jager.
 12 months. \$540.

NOTICE OF NON-RESPONSIBILITY.

Feb. 18, 1915—S CHESTNUT 204-6
 E Fillmore E 15-6 S 137-6 W 27-6
 N 52-6 E 12 N 85. Lecata and
 Annunzia Lecata as to improve-
 ments on leased property.....
 Feb. 18, 1915—NO. 118 EDDY. Mary
 and James K Prior Jr, Josephine
 Metzner and Margaret Delger,
 Lester F Prior and Lealand S Prior
 as to improvements on leased
 property
 Feb. 17, 1915—S CHESTNUT 110 E
 Pierce E 17xS 25. Lorenzo Ansaldo
 as to improvements on leased prop-
 erty
 Feb. 15, 1915—S MOULTON 108-9 W
 Fillmore W 28-9xS 60. James P
 Sweeney and Thos P Crowley as to
 improvements on leased property.
 Feb. 15, 1915—W VAN NESS AVE 56
 S Chestnut S 54xW 120. Mary E
 Fitzhugh as to improvements on
 leased property
 Feb. 16, 1915—SW ELEVENTH AND
 Washington W 90xS 34, Okd. Ade-
 line Salinger as to improvements
 on leased property
 Feb. 16, 1915—SE BROADWAY 417-6
 NE Webster NE 100 SE 170-1 S
 103-2½ NW 195-7½, Okd. Harriet
 E Barnes as to improvements
 on leased property.....

NOTICE OF NON-LIABILITY.

Feb. 15, 1915—SE VIENNA 525 NE
 India Ave NE 25xSE 100. Home-
 stead Realty Co as to improve-
 ments on leased property.....

COMPLETION NOTICES.

San Francisco

Feb. 15, 1915—S IRVING 57.6 E 48th
 Ave E 25xS 100. Ida M Cambridge
 to J J Widner.....Feb. 15, 1915
 Feb. 15, 1915—EXPOSITION SITE.
 Eastman Kodak Co to Adolph
 Wegner.....Feb. 2, 1915
 Feb. 15, 1915—NW TAYLOR AND
 Sacramento N 40xW 91-8. G A
 Steffen to Decker Elec Constr Co..
Feb. 2, 1915
 Feb. 15, 1915—E TWENTY-FIRST
 Ave 150 S Judah S 25xE 120. Ernest
 and Lucy E Schulz to whom it may
 concern.....Feb. 11, 1915
 Feb. 15, 1915—S TWENTY-FOURTH
 50 W Homestead W 75xS 110. S F
 Home Bldg Co (fmy Guerrero
 Realty Co to Emil Nelson.....
Feb. 13, 1915
 Feb. 15, 1915—SW SCOTT & CHEST-
 nut. Emil and Etel Stern to W E
 Grant.....Feb. 15, 1915
 Feb. 15, 1915—NW POLK & CALI-
 fornia W 56-3 N 87-6 W 25 E 81-3
 S 112-6. The Bradbury Estate In-
 vestment Co and Mary M Brad-
 bury to A Knowles.....Feb. 8, 1915
 Feb. 15, 1915—EXPOSITION SITE.
 Petri Italian American Cigar Co to
 American Booth Constr Co.....
Feb. 6, 1915
 Feb. 16, 1915—NW EDDY & FILL-
 more W 137-6xN 137-6. J R Han-
 lify to Dyer Bros Golden West Iron
 Works, Inc.....Feb. 8, 1915

Feb. 16, 1915—E TWENTY-FIFTH
 Ave 150 N Clement N 25xE 120.
 Otto A Benndorf and Alvina Benn-
 dorf to Hantzsche H McKay.....
Feb. 15, 1915
 Feb. 16, 1915—E ELEVENTH AVE 75
 S Balboa. C A Hall to whom it
 may concern.....Feb. 15, 1915
 Feb. 16, 1915—E TWELFTH AVE 175
 N Balboa. C A Hall to whom it
 may concern.....Feb. 16, 1915
 Feb. 16, 1915—N TURK 171-10½ E
 Taylor E 34-4½x N137-6. Zeller-
 bach Levison Co to George N Zaro
 and Atlas Heating & Ventilating
 Co.....Feb. 13, 1915
 Feb. 16, 1915—N O'FARRELL 165 E
 Taylor E 27-6xN 137-6. A O Stew-
 art to W D Henderson..Feb. 15, 1915
 Feb. 16, 1915—W TAYLOR 100 N
 Sutter. Badge J Wyman to J J
 Houston.....Feb. 16, 1915
 Feb. 16, 1915—NW FULTON AND
 Franklin N 62xW 55. James E
 Reiter to Ratto & Ratto..Feb. 16, 1915
 Feb. 17, 1915—E TWENTIETH AVE
 95 N California N 25xE 107. W J
 and C J Keenan to whom it may
 concern.....Feb. 13, 1915
 Feb. 17, 1915—E SEVENTH AVE 75
 S Irving S 25xE 95. John Rengh
 to whom it may concern..Feb. 17, '15
 Feb. 17, 1915—N OAK 157-6 W Van
 Ness Ave W 89-9 N 120 E 68-9 S
 40 E 21 S 80. The Young Men's
 Institute Hall Ass'n to Pacific
 Gurney Elevator Co.....Feb. 8, 1914
 Feb. 17, 1915—EXPOSITION SITE.
 The Desmond Supply Co to John
 Burns.....Feb. 15, 1915
 Feb. 17, 1915—S GROVE 143-1½ E
 Van Ness Ave E 34-1½ S 120 W
 36-2½ N 34-3½ E 2-1½ N 85-8½.
 John McConaghy to Heckenroth &
 Schell.....Feb. 17, 1915
 Feb. 17, 1915—E TWENTIETH AVE
 70 N California N 25xE 107. W J &
 C J Keenan to whom it may con-
 cern.....Feb. 13, 1915
 Feb. 18, 1915—SW BAKER AND BAY
 E 961.52xS 618.75. Panama-Pacific
 International Exposition Co to
 The Turner Co.....Feb. 15, 1915
 Feb. 18, 1915—NW LYON & TON-
 quin E 788.45 N 500 W 700.08 S
 500.33. Panama-Pacific Interna-
 tional Exposition Co to The Turner
 Co.....Feb. 15, 1915
 Feb. 18, 1915—EXPOSITION SITE.
 The Netherlands Pavilion-Panama-
 Pacific International Exposition to
 J W Rapple and K C Hill (as The
 Hill Bros. Co.....Feb. 17, 1915
 Feb. 18, 1915—EXPOSITION SITE.
 The Quaker Oats Co to H L Mains
Feb. 18, 1915
 Feb. 18, 1915—EXPOSITION SITE.
 Neptune Amusement Co to L A
 Rose.....Feb. 17, 1915
 Feb. 18, 1915—E FORTY-FIRST AV
 98-8 N Balboa N 25x120. Ernest
 W Elliot to whom it may concern
Feb. 18, 1915
 Feb. 18, 1915—EXPOSITION SITE.
 Remington Typewriter to Hall &
 Glendon.....Feb. 18, 1915
 Feb. 18, 1915—SE GEARY AND
 Taylor S 137-6xE 87-6. Clift
 Realty Co by P J Walker, Agt to
 W P Fuller, Feb. 15; Baker &
 Hamilton, Feb. 14; Forderer Cor-
 nice Works, Feb. 11; Floodberg &
 McCaffery, Feb. 9 and Monarch
 Iron Works.....Feb. 10, 1915

LIENS FILED

SAN FRANCISCO COUNTY.

Feb. 13, 1915—N O'ARRELL 74 W Larkin W 63-6xN 120. Edward L Soule Co vs A Sundberg, Harry Ludemann, Maria Schumacher and Hermine Ludemann\$475.61

Feb. 15, 1915—N SACRAMENTO 201 W Taylor W 27-6xN 120. Max Mushkin vs A W McKenzie and G G Rowbery\$46.40

Feb. 15, 1915—N CALIFORNIA 32 W Larkin W 27-6x87. J Gibbs vs L R Kissel and Otto Carson.....\$447.05

Feb. 15, 1915—N CALIFORNIA 32 W Larkin W 27-6xN 87. A Seghieri & Bro, Inc vs L R Kissel and Otto Carson (as Otto Carson & Co).\$398.20

Feb. 15, 1915—SW TAYLOR AND Valjejo S 102 W 100 N 28-6 E 26 N 73-6 E 74. F Rolandi vs R G Hanford\$2178.02

Feb. 16, 1915—N EDDY 75 W Anna Lane W 68-9 N 175 E 68-9 N 10-6 E 75 W 96 W 75 S 89-6. Standard Woodworking Co vs P Megas, Ernestine Kreling Leahy and Carl E Larsen\$169.96

Feb. 16, 1915—W TENTH AVE 300 N Balboa N 33-4xW 120. Wm P Goss vs F T Stroh, Peck & Draper\$173

Feb. 16, 1915—SW CLEMENT AND Third Ave S 70xW 30. Pacific Hardware & Steel Co vs Frank De Curtioni and J I Mitrovich Bldg Co.\$98.19

Feb. 16, 1915—S McALLISTER 55 W Gough; No. 715 McAllister. S Bryon Electrical Con Co, \$222.75; Bennett Bros, \$52.62 vs Reuben Cohen, I N Cohen and B O Smith.....

Feb. 16, 1915—LOTS 4 AND 5 BLK 3 Crocker Amazon Tract. Pacific Hardware & Steel Co vs Vittorio Boicelli and J I Mitrovich Bldg Co\$163.43

Feb. 16, 1915—N CALIFORNIA 32 W Larkin W 27-6xN 87. Friedman Bros, \$205; J Behm & Co, \$251.50 vs Otto Carson & Co and I R Kissel

Feb. 17, 1915—W FOURTEENTH AVE 155 S Geary S 25xW 105. Morris Stulsaft Co vs Jos Deasy and A E Roeder\$200.14

Feb. 17, 1915—S McALLISTER 55 W Gough W 55xS 137-6. H J Hughes vs B O Smith and Reuben and I I Cohen\$100

Feb. 17, 1915—E FOURTH AVE 75 S Anza (A) S 25xE 120. Paul Adams vs John F Haner.....\$210

Feb. 17, 1915—NW HYDE AND CLAY N 34-4½xW 137-6. Wm P Goss vs Herman Barth and Peck & Draper Co\$450

Feb. 17, 1915—N FILBERT 137.5 W Leavenworth W 137.5x137.5; W Leavenworth 87.5 N Filbert N 50x 137.5. Wm P Goss vs Howard M-Engle and Peck & Draper Co..\$210

Feb. 17, 1915—SW FRANKLIN AND Sutter W 40xS 137-6. Wm P Goss vs Century Club of California and Peck & Draper Co.\$870

Feb. 17, 1915—SW SACRAMENTO & Kimball Place W 31xS 60. Wm P Goss vs S Perry & Peck & Draper Co.\$412

Feb. 17, 1915—E DOLORES 60 S 20th S 41-6xE 30. Wm P Goss vs Roderic A Troyer and Peck & Draper Co.....\$178

Feb. 17, 1915—W JORDAN AVE 100 N Geary W 120xN 30. Wm P Goss

vs H B Goldsmith and Peck & Draper Co\$148

Feb. 17, 1915—SE GREEN & FILLmore S 86-6xE 70-5. Wm P Goss vs Bertha Oberfeld and Peck & Draper Co.\$500

Feb. 17, 1915—N ARMY 93-2½ E Mission E 57-7½ N 72-8½ to Serpentine Ave W 97-7 SE 49-5¼. Wm P Goss vs Mary A and J McConaghy and Peck & Draper Co..\$624

Feb. 17, 1915—N CALIFORNIA 32 W Larkin W 27-6xN 87. James Cantley vs L R Kissel and Otto Carson\$70

Feb. 18, 1915—N CALIFORNIA 32 W Larkin W 27-6xN 87. Reinhart Lumber Planing Mill Co vs I R Kissel and Otto Carson & Co.....\$2796.90

Feb. 18, 1915—LOTS 4 AND 5 BLK 3 Crocker Amazon Tct. Esther Levy as Levy Elec Constr Co vs Vittorio Boicelli, J I Mitrovich (as J I Mitrovich Bldg Co).....\$180

Feb. 18, 1915—SW CLEMENT AND Third Ave S 70xW 30. C Carnevali Marble & Mosaic Co vs Frank De Curtioni and J I Mitrovich Bldg Company\$137

RELEASE OF LIENS

SAN FRANCISCO COUNTY.

Feb. 8, 1915—S GEARY 137-6 W Laguna S 137-6xW 55. Hubbs & Lear and Acme Lumber Co to M A Westling

Feb. 10, 1915—W NINTH AVE 125 S Geary S 25xW 120. Loop Lumber Co to F A Cascioni.....

Feb. 11, 1915—LOT 23 BLK "D" Mission Street Land Co. A L Stockton Lumber Co to Martha Brown,

Feb. 16, 1915—W MISSION 210.95 S 23rd W 125 S 25 W 15 S 25 E 140 N to beg. Samuel Carpmill to Irvine Bros & George U Hind.....

Feb. 15, 1915—S NORTH POINT 150 E Divisadero E 600xS 343.75. Matthews & Randolph to Theresa A Oelrichs, Virginia Vanderbilt, Panama-Pacific International Exposition Co, Commary-Petersen Co, Chas Pianta and P Prasso.....

Feb. 17, 1915—S PRECITA AVE & Florida (Ryan Ave) SW 25xSE 80. Friedman Bros to Olaf M Johnson, Carl Olson and John and Bergette Eliassen

Feb. 18, 1915—E SANCHEZ 181-6 S 22nd S 22-6xE 100. E V Lacey to Jos F Moss and Bay Cities Bldg Co, Inc.

Feb. 18, 1915—E STOCKTON 30 N Filbert N 25 E 95-6 S 55 W 25 N 30 W 70-6. Olson-Mahoney Lumber Co to Antonio Lonchone, Pietro Lombardi and Olivo Riccomini....

Feb. 18, 1915—EXPOSITION SITE. Artolith Mfg Co, Baker & Hamilton, James Cantley, Dyer Bros, Golden West Iron Works, Dunham, Carrigan & Hayden Co, Eva Mordecai, Eureka Teaming Co, W P Fuller Co, Woods & Huddert, Chas W Woods, Fred T Huddert, Forderer Cornice Works, W A Hammond Co, Joost Bros, Lange & Bergstrom, McGilvray Stone Co, Payne's Bolt Wks, Pope & Talbot, Allen G Ramsay, William Stewart Co, Santa Cruz Portland Cement Co and Taylor & Co to Panama-Pacific International Exposition Co

OAKLAND AND ALAMEDA COUNTY.

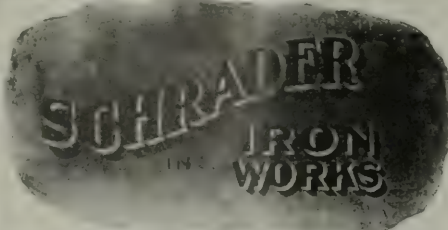
RESIDENCE — 2 story and base, frame, \$8,000. Oakland, Cal. Architect, Charles W. McCall, Central Bank Bldg., Oakland. Owner's name withheld. The dwelling will be erected in the Crocker Highlands, and has been designed for an eight-room house with sleeping porches and two bath rooms. Interior will be finished in pine, redwood and hardwood. Bed rooms will be finished in white enamel. Hardwood floors will be used in the living room, dining room and reception hall. There will be furnace heat and open fire places. Mantels will be of tile and brick. An automatic water heater will be installed. Bath rooms will be finished in tile. Exterior of the house will be covered with cement plaster or metal lath. Plans are complete and figures will be called for at once.

BUNGALOWS—2, 1 story and base, frame. Cost not stated. Albany, Alameda Co., Cal. Architect, Sidney B. Newsom, Nevada Bank Bldg., S. F. Owner, Louis Newbell. These two houses have been designed to contain five rooms and bath. Interiors will be finished in pine and redwood with some hardwood floors. There will be open fire places and tile or brick mantels. Bath rooms and kitchens will have tile wainscot. Exteriors will be covered with rustic and cement plaster on metal lath. Plans are complete and figures are being taken.

BUNGALOW — 1 story and base, frame, \$3,000. Oakland, Cal. Architect, none. Owner, James McGuinness, 5615 16th street, Oakland. The dwelling will be erected on North Park Boulevard east of Greenwood, and has been designed to contain seven rooms, bath and sleeping porch. Interior will be finished in pine, redwood and hardwood with some white enamel in the bed rooms. Hardwood floors will be used in the living and dining rooms. There will be open fire places and tile or brick mantels. Bath room will have tile wainscot. An automatic water heater will be installed. Exterior of the house will be covered with cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor. Materials are now being purchased.

REPAIRS TO FENDER PILES—Cost not stated. Oakland, Cal. Engineer, County Surveyor, Oakland. Owners, Alameda County. Plans are complete and figures are now being taken on repairs to the fender piles on the bridge over the Oakland Estuary.. Bids will be opened by the Board of Supervisors on March 8th. Plans and specifications can be secured from the County Clerk.

GARAGE—1 story and base, brick, \$10,000. Oakland, Cal. Architect, F. D. Voorhees, Central Bank Bldg., Oakland. Owner, G. W. Burrows. The building will be erected on Broadway near Brook street, and has been designed for a commercial garage. There will be a cement floor. Interior will be finished in pine. There will be storage space and machine shop. Special gasoline storage tanks will be installed. Exterior of the building will be faced with pressed brick. Plans are complete and the work will be done by Day Labor.



**Structural Steel
Contractors**

**Works at
HARRISON ST.,
bet. 8th & 9th
San Francisco**

Telephone Market 337

SCHOOL.—1 story and base, frame and plaster, \$16,000. Newark, Alameda Co., Cal. Architect not selected. Owners, Newark School District. Nine sets of competitive plans were submitted to the Newark School Trustees on February 16th for the construction of the new building, which is to cost \$16,000. The trustees have taken all plans under consideration until the next meeting of the board. Probably ten days will elapse before the winning design is announced.

THEATRE, STORES AND OFFICES—14 story and base. Class A construction, \$600,000. Oakland, Cal. Architect, Carl Werner, Phelan Bldg., S. F. Owners, Archon Co. The building will be erected at the northwest corner of Franklin and 14th streets and will cover a considerable ground area. There will be a number of stores besides the theatre lobby and entrance on the first floor. Upper floors will be arranged for the body of the theatre and a large number of modern offices. Construction will be fireproof throughout with a complete steel frame and walls and floors of concrete. Interior will be finished in pine, hardwood, metal trim and ornamental plaster. Marble and tile wainscot will be used. There will be steam heat, elevator service and a vacuum cleaning system. Patent store fronts and hollow tile partitions are specified. Exterior of the building will be faced with pressed brick trimmed with terra cotta. Plans are now being completed.

Contracts Awarded.

RESIDENCE.—2 story and base, frame, \$6,000. Oakland, Cal. Architect, W. P. Stephenson, Berkeley. Owner, W. W. Fogg. Contractor, F. A. Muller, Syndicate Bldg., Oakland. Contract price, \$6,000. Note: The contractor is now taking subfigures on the work.

HOTEL FINISHING CONSTRUCTION—Cost not stated. Oakland, Cal. Architect, none. Owners, Claremont Hotel Co. Contractor, John Carson, Bacon Bldg., Oakland. Contract price not stated.

Building Contracts Awarded.

Oakland.

No.	Owner.	Contractor	Amt.
218	Bidstrup	Bidstrup	1800
219	Allison	Larsen	2300
220	Esola	Esola	600
221	O'Neil	Taylor	2500
222	Tremble	Tremble	2500
223	Hinch	Hinch	400
224	Waltin	Feldman	600
226	Harrold	Kirk	400
227	Schomig	Owner	1200
228	Simmons	Simmons	400
229	Hudson	Hudson	1000
230	Baily	Baily	1600
231	Bishop	MacIntyre	1500
232	Ricker	Peterson	2500
233	Peterson	Scott	1750
234	Stow	Nichols	2450

235	Fuller	Hoyt	500
236	Jacobson	Skaggs	3733
237	Plunkett	Graff	1842
238	Garwin	Dexter	3000
241	Carleton	Carleton	1800
242	Schwartz	Davis	400
243	Marchers	Webb	450
244	Jordan	Dameral	550
245	Eggers	Anderson	3700
246	Barstow	Graff	2550
250	Olsen	Olsen	1500
251	Key Route	Owner	4000

DWELLING

(218) N SAN JUAN 120 W 40th Ave., Oakland. One-story 5-room dwlg. Owner.....Mrs. A. C. Bidstrup, 1328 E 25th, Oakland.

Architect...None.

Contractor...A. C. Bidstrup, 1328 E-25th Oakland. COST, \$1800

DWELLING

(219) E TELEGRAPH AVE 38 N Fairview, Oakland. Two-story six-room dwelling.

Owner.....C. H. Allison, 34 Brookside Berkeley.

Architect...None.

Contractor...R. J. Larsen, 339 62nd, Okd COST, \$2300

DWELLING

(220) N FORTY-FIFTH 290 W Grove, Oakland. One-story 3-room dwlg.

Owner.....Joe Esola, 702 45th, Okd.

Architect...None.

Day's work. COST, \$600

DWELLING

(221) N STOW AVE 200 Newton Ave., Oakland. One-story 6-room dwlg.

Owner.....J. J. O'Neil, Oakland.

Architect...None.

Contractor...C. H. Taylor, 1512 Broadway, Oakland. COST, \$2500

DWELLING

(222) W RAWSON 80 N Trask, Oakland. One-story 6-room dwelling.

Owner.....M. H. Tremble, 2469 Rawson, Oakland.

Architect...None.

Day's work. COST, \$2500

ALTERATIONS

(223) NW NINTH AND CYPRESS, Oakland. Alterations.

Owner.....Jos. T. Hinch, 1748 Broadway, Oakland.

Architect...None.

Day's work. COST, \$400

FIRE REPAIRS

(225) NO. 686 NINTH, Oakland. Fire repairs.

Owner.....I. W. Allen, Oakland.

Architect...None.

Contractor...J. Feldman, 728 6th, Okd. COST, \$600

REPAIRS

(226) NO. 2555 E-SIXTEENTH, Oakland. Repairs.

Owner.....James H. Harrold, Prem.
Architect...None.
Contractor...G. A. Kirk, 416 10th, Okd.
COST, \$400

DWELLING

(227) E SIXTY-SECOND AVE 30 S Hayes, Oakland. One-story 4-room dwelling.

Owner.....A. Schomig, 4539 Thompson, Oakland.

Architect...None.

Day's work. COST, \$1200

ALTERATIONS

(228) NO. 1236 THIRTY-SEVENTH Ave., Oakland. Alterations.

Owner.....J. L. Simmons, 1236 37th Ave., Oakland.

Architect...None.

Day's work. COST, \$400

DWELLING

(229) SE THIRTEENTH AVE AND E-33rd, Oakland. One-story 4-room dwelling.

Owner.....Geo. Hudson, 759 Brooklyn Ave., Oakland.

Architect...None.

Day's work. COST, \$1000

DWELLING

(230) SW FORTY-SEVENTH AVE & Melrose, Oakland. One and one-half-story 5-room dwelling.

Owner.....H. A. Baily, 2019 45th Ave., Oakland.

Architect...None.

Day's work. COST, \$1600

ALTERATIONS

(231) E BROADWAY 100 N 14th, Oakland. Alterations.

Owner.....H. W. Bishop, Premises.

Architect...None.

Contractor...P. G. MacIntyre, 535 34th, Oakland. COST, \$1500

DWELLING

(232) W RANDOLPH AVE 300 N E-38th, Oakland. One-story 6-room dwelling.

Owner.....L. M. Ricker, 3803 Randolph Ave., Oakland.

Architect...None.

Contractor...Chas. Peterson, 1200 E-24th, Oakland. COST, \$2500

DWELLING

(233) N APGAR 404 E San Pablo Ave., Oakland. One-story 5-room dwelling.

Owner.....Sarah E. Blethen, 990 Apgar, Oakland.

Architect...None.

Contractor...G. A. Scott, 685 23rd, Okd. COST, \$1750

DWELLING

(234) N FORTIETH 100 E Broadway, Oakland. Two-story 6-room dwlg.

Owner.....Mrs. M. E. Streiff, 4000 Broadway, Oakland.

Architect...None.

Contractor...Leo L. Nichols, 1764 Broadway, Oakland. COST, \$2450

FACTORY

(235) S GLASCOCK 100 E Derby, Oakland. One-story galvanized iron factory.

Owner.....Fuller-Stow & Co., S. F.
Architect...None.

Contractor..F. S. Hoyt, 310 Broadway,
Oakland. COST, \$500

FLATS
(236) E GROVE 60 N 33rd, Oakland.
Two-story 10-room flats.
Owner.....V. C. Jacobson, 3332 Grove,
Oakland.
Architect...None.
Contractor..J. H. Skaggs, 469 32nd,
Oakland. COST, \$3733

FRAME STORE
(237) N EIGHTEENTH adjoining W
line Right-of-Way of 4th Avenue
car line, 15 feet on 18th, Oakland.
All work for one-story frame store.
Owner.....Cyvilla J. and W. R.
Plunkett, 1538 Broadway,
Oakland.
Architect...None.
Contractor..Edwin C. Graff, San Le-
andro.

Filed Feb. 16, '15. Dated Feb. 13, '15.
Date of contract..... \$ 50.00
Frame up 350.00
25 days after1442.50
TOTAL COST, \$1842.50
Bond, none. Limit, 75 days after Feb.
18. Forfeit, none. Plans and speci-
fications filed.

DWELLING
(238) SW VIONA AVE 125 SE Santa
Ray Ave SE 115.1 NW 38.36 NE 56.88
NW 6.67 NE 10.44 SE 2.5 NE 47.3 SE
40, Oakland. All work for two-
story six-room dwelling.
Owner.....James and Amelia Garwin,
904 Erush, Oakland.
Architect...None.
Contractor..A. R. Dexter, 2212 Grove,
Oakland.

Filed Feb. 15, '15. Dated Feb. 15, '15.
Execution of contract.....\$400
Frame up 625
Brown coated 625
Completed 625
Usual 35 days..... 725
TOTAL COST, \$3000
Bond, none. Limit, 90 days. Forfeit,
none. Plans and specifications filed.

DWELLING
(241) N WELD 300 E 69th Ave., Oak-
land. One-story 5-room dwelling.
Owner.....S. Carleton, 2039 69th Ave.,
Oakland.
Architect...None.
Day's work. COST, \$1800

ALTERATIONS
(242) NW TENTH AND BROADWAY,
Oakland. Alterations.
Owner.....L. Schwartz, Premises.
Architect...None.
Contractor..A. L. Davis, 2626 Union,
Oakland. COST, \$400

ALTERATIONS
(243) NO. 2814 E-TWENTY-THIRD,
Oakland. Alterations.
Owner.....Amos Marchers, 2812 E-
23rd, Oakland.
Architect...None.
Contractor..Thos. W. Webb, 4663 Fair
Ave., Oakland. COST, \$450

ADDITION
(244) NO. 1316 E-THIRTY-THIRD,
Oakland. Addition.
Owner.....Frank Jordan, Premises.
Architect...None.
Contractor..H. G. Damerall, 1543 19th
Ave., Oakland. COST, \$550

FLAT BUILDING
(245) NW HIGH 215 NE — S line
tract containing 3.09 acres conveyed
by P. H. Blake to H. A. Pleitner Deed
recorded June 9, 1904 NE 67.80 NW
150 S to pt 215 NE S line said tract
SE 150, Oakland. All work for two-
story flat building.
Owner.....Martin Eggers, 1759 High,
Oakland.
Architect...None.
Contractor..Chris. C. Andersen, 4115
Agua Vista, Oakland.
Filed Feb. 17, '15. Dated Feb. 15, '15.
Frame up and roof on..... ¼
Brown coated ¼
Completed and accepted..... ¼
Usual 35 days..... ¼
TOTAL COST, \$3700
Bond, none. Limit, 90 days after Feb.
15. Forfeit, none. Plans and speci-
fications filed.
NOTE:—1st report Feb. 15, No. 217.

FRAME DWELLING
(246) LOT 8 BLK 8 Map Melrose
Heights, Oakland. All work for one-
story frame dwelling.
Owner.....Wm. Reed Barstow, 514
23rd, Oakland.
Architect...None.
Contractor..Edwin C. Graff, Syndicate
Bldg., Oakland.

Filed Feb. 16, '15. Dated Feb. 12, '15.
Frame up and roof on..... ¼
Brown coated ¼
Completed and accepted..... ¼
Usual 35 days..... ¼
TOTAL COST, \$2550
Bond, none. Limit, 90 days after Feb.
12. Forfeit, \$1. Plans and specifica-
tions filed.
DWELLING
(250) S FORTY-THIRD 180 E Grove,
Oakland. One-story 5-room dwlg.
Owner.....Alfred Olsen, 1116 Myrtle,
Oakland.
Architect...None.
Day's work. COST, \$1500

ALTERATIONS
(251) KEY ROUTE PIER TERMINAL
Oakland. Alterations and additions.
Owner.....San Francisco & Oakland
T Railway, Key System
Bldg., Oakland.
Architect...None.
Day's work. COST, \$4000

Building Contracts Awarded. Berkeley.

No.	Owner	Contractor	Amt.
240	Menian	Kidder	450

ADDITION
(240) 2401 BOWDITCH, Berkeley.
Addition.
Owner.....Dr. J. C. Meniam, Prem.
Architect...None.
Contractor..Kidder & McCullough,
2075 Addison, Berkeley. COST, \$450

Building Contracts Awarded Alameda.

No.	Owner	Contractor	Amt.
224	Lybeck	Porter	3220
239	Masters	Shaw	500
217	Hillen	Hillen	2006
248	Same	Same	1800
249	Same	Same	1800

FRAME DWELLING
(224) N 10 LOT 4 and S 31 Lot 3 Blk
"I" Map Waterlside Terrace, Ala-

meda. All work for two-story six-
room frame dwelling.
Owner.....Alameda Investment Co. &
H. G. Lybeck, 1920 Vine,
Berkeley.
Architect...None.
Contractor..Porter Bros., 1914 Vine,
Berkeley.
Filed Feb. 15, '15. Dated Feb. 13, '15.
Frame up ¼
Interior plastering completed... ¼
Completed and accepted..... ¼
Usual 35 days..... ¼
TOTAL COST, \$3220
Bond, none. Limit, 90 days. Forfeit,
none. Plans and specifications filed.

SHED
(239) NO. 456 CENTRAL AVE., Ala-
meda. Shed.
Owner.....G. H. Masters, Premises.
Architect...None.
Contractor..E. Shaw, 5th and Central
Ave., Alameda. COST, \$500

DWELLING
(247) NO 1424 FOUNTAIN, Alameda.
One-story 5-room dwelling.
Owner.....R. C. Hillen, 1529 Santa
Clara Ave., Alameda.
Architect...None.
Day's work. COST, \$2000

DWELLING
(248) NO. 754 TAYLOR AVE., Ala-
meda. One-story 5-room dwelling.
Owner.....R. C. Hillen, 1529 Santa
Clara Ave., Alameda.
Architect...None.
Day's work. COST, \$1800

DWELLING
(249) NO. 756 TAYLOR AVE., Ala-
meda. One-story 5-room dwelling.
Owner.....R. C. Hillen, 1529 Santa
Clara Ave., Alameda.
Architect...None.
Day's work. COST, \$1800

COMPLETION NOTICES.

ALAMEDA COUNTY

Feb. 5, 1915—LOT 18 Craig Tract,
Piedmont. Guy H Liliencrantz to
United Home Bldrs....Dec. 29, 1914
Feb. 5, 1915—W MERCED — N Sono-
ma being Lot 13 Blk 13, Northbrae
Tract, Oakland Tp. A L Skee to
whom it may concern.....
Feb. 8, 1915—LOT 9 BLK "A" Amend-
ed Map Moss Tract, Okd. Alex-
ander and Caroline Boe to O Carl-
son.....Feb. 6, 1915
Feb. 8, 1915—LOT 80 Darling Home-
stead Tract, Okd. C O Carlson to
whom it may concern...Feb. 6, 1915
Feb. 8, 1915—LOT 1 BLK 1 Berkeley
Heights, Bkly. T C Peterson to
Jacob Kollmer.....Feb. 6, 1915
Feb. 9, 1915—S FIFTEENTH 50 E
Jefferson E 50xS 75, Okd. Albert C
Aiken to P A Palmer....Feb. 8, 1915
Feb. 9, 1915—SW SHATTUCK AVE
and Haste 170 on Shattuck Ave
and 125 on Haste, Bkly. Loring
James Barker by Fredk P Barker
to F E Armstrong....Feb. 8, 1915
Feb. 13, 1915—PTN LOTS 129 AND
130, Crocker Highlands, Okd Henry
E Jackson to Oscar Sairanen.....
.....Feb. 12, 1915
Feb. 15, 1915—NW SEWARD AND
NE Napa NE4 0xNW 100, Okd. F E
and M H McEldowney to Banning
& Stewart.....Feb. 15, 1915

Feb. 17, 1915—SE TWENTY-FIFTH and Grove S 60x15 90, Okd. St. George Hall Ass'n to Kimball Elec Co. Feb. 11, 1915
Feb. 17, 1915—W THIRTEENTH AV 35 S E-19th SW 33 1/2 x NW 90, Okd. R B Williams to E W Woodard... Feb. 15, 1915

LIENS FILED.

ALAMEDA COUNTY.

Feb. 9, 1915—SW EIGHTH & WEBSTER S 75xW 75, Okd. John Cogan vs Nils Anderson, Bertha A Sneathen, Gee Sam Kee, C M Nutting and N H Morgan.....\$821.85
Feb. 9, 1915—LOTS 13 AND 14 BLK 5 Auseon Moss Tract, Okd. W L Newby, Fletcher & Newby and P A Newby by W L Newby, Attorney in fact vs Jessie E and Perry H Auseon\$900
Feb. 9, 1915—LOTS 22 AND 23 BLK "O" Map Fruitvale Blvd Tract, Okd Melrose Lumber & Supply Co vs Henry Coxon, A Coxon and T S Peterson\$304.91
Feb. 9, 1915—SE BARTLETT AND NE Deering 45 SE 250 SW 45 NW 250, Okd., \$466.60
SE BARTLETT and NE Lynde Ave NE 450xSE 250, Okd., \$466.60
NW BARTLETT and NE Lynde NE 45xNW 250, Okd., \$466.60
NE DEERING and NW Bartlett NE 450xNW 250, Okd., \$466.60
SE BARTLETT and NE Brookdale Ave NE 750xSE 250, Okd. \$150
NE DEERING and NW Bartlett NE 450xNW 250, Okd., \$150
A Lazzzareschi vs Oakland Homes Corporation
Feb. 10, 1915—NE DEERING & NW Bartlett NE 450xNW 250, Okd. A Lazzzareschi vs Oakland Homes Corporation\$2012.50
Feb. 10, 1915—SE BARTLETT & NE Deering NE 10 SE 125 NE 50 SE 125 SW 450 NW 250, Okd. A Lazzzareschi vs Oakland Homes Corporation\$2012.50
Feb. 11, 1915—LOT 84 Map Fruitvale Add'n Tract, Okd. Oakland Homes Corporation vs Margaret A and Alfred Goddard.....\$184
Feb. 15, 1915—NE CAROLINE AND Taylor Ave N 62xE 53.9, Alameda. Stickney & Hutton vs Clara T Hessemann\$111
Feb. 15, 1915—SE TELEGRAPH AND Durant Aves 90x110, Bkly. Pacific Mfg Co vs J A Elston and George Clark and Reinhart Lumber & Planing Mill Co.....\$1518.25
Feb. 18, 1915—NW SECOND AND J, Livermore, J H Wilson vs Court Livermore No. 77, Foresters of America of Grand Court of California, Archer M Bowles, F A Lassen, M S Worden and John J Callaghan, Trustees and C H Rasmussen.\$118.60
Feb. 18, 1915—LOTS 12 AND 13 BLK "I" Map Foothill Park, Okd. Wallace Bros vs Torrence S Peterson\$412.75

RELEASE OF LIENS

ALAMEDA COUNTY.

Feb. 15, 1915 LOT 25 BLK 18 Map Northbrae, Bkly. H H Schuegster to N P Jensen\$289

SAN JOSE AND THE SANTA CLARA VALLEY.

RESIDENCE — 2 story and base, frame. Cost not stated. Los Altos, Santa Clara Co., Cal. Architect, John Hudson Thomas, First National Bank Bldg., Berkeley. Owner, E. J. McCutchen. The dwelling has been designed for a country home and will contain eleven rooms, three baths and sleeping porches. A separate garage will be erected on the property. Interior of the house will be finished in pine and redwood. Hardwood floors will be used in the principal rooms. White enamel will be used in the bed rooms. There will be furnace heat and open fire places. Mantels will be of tile and brick. Tile wainscot will be used in the bath rooms. Automatic water heater will be installed. Exterior of the house and garage will be covered with cement plaster on metal lath. Plans are complete and figures are now being taken.

BUILDING CONTRACTS

SANTA CLARA COUNTY.

COTTAGE
SE SIXTEENTH AND EMPIRE STS., San Jose. Five-room cottage.
Owner.....E. D. Wells, 17th & Empire Sts., San Jose.
Architect...None.
Day's work. COST, \$2000
COTTAGE
W SHERMAN near Almeden, San Jose. Three-room cottage.
Owner.....L. Scaglione, Premises.
Architect...None.
Day's work. COST, \$500
BARN
NO. 661 N-TENTH ST., San Jose. Barn
Owner.....V. Gumandrea, Premises.
Architect...None.
Day's work. COST, \$500

ADDITION
NO. 16 S-TENTH ST., San Jose. Addition.
Owner.....Mrs. H. C. Dennis.
Architect...None.
Day's work. COST, \$500

REMODELING FRONT
NO. 149 S-FIRST ST., San Jose. Remodeling front.
Owner.....John Stock 71 S-1st St., San Jose.
Architect...None.
Contractor..R. O. Summers, 17 N-First, San Jose. COST, \$400

ALTERATIONS
NO. 74 S-SECOND ST., San Jose. Alter store front.
Owner.....F. M. Jones, Premises.
Architect...None.
Contractor..Frank Davis, 297 S-12th St., San Jose. COST, \$400

ALTERATIONS
NO. 374 S-SECOND ST. San Jose. Alter
Owner.....T. W. Williams, Premises.
Architect...None.
Contractor..J. A. Greiner. COST, \$375

CONTRA COSTA COUNTY.

SIX DWELLINGS
IN OR NEAR TOWN OF MARTINEZ,

formerly known as Cutler or Frazer Tracts of land. All work for six dwellings, complete.

Owner.....Shell Co. of California, Inc 343 Sansome, San Francisco
Architect...None.

Contractor..Dan and G. T. Gutleben, New Call Bldg., S. F.

Filed Feb. 18, '15. Dated Feb. 9, '15.
Upon delivery at site all material necessary 50%
Completed and accepted..... 25%
Usual 35 days..... 25%
TOTAL COST, \$15,228

Bond, \$7,614. Surety, Aetna Accident & Liability Co. Limit, Commence 2 days from date and complete April 24, 1915. Forfeit, none. Plans and specifications filed.

NOTE:—\$1 will be added to total cost for each cubic yard of concrete required.

CLASS "C" STORE AND APARTMENTS
LOT NO. 30 BLK "C" Nicholl Sbdvn, City of Richmond. Excavating, concrete, carpentry, exterior and interior finish, masonry, plastering, plumbing, painting, ornamental iron, sheet metal work, roofing, glazing, electrical work and other work as shown in specifications for one-story and sub-basement Class "C" store and apartment house building.

Owner.....Wm. Yahraus.
Architect...Benj. G. McDougall, Sheldon Bldg., San Francisco.
Contractor..P. A. Palmer.

Filed Feb. 16, '15. Dated Feb. 15, '15.
75% of such estimated value shall be paid to Contractor on account of this contract within 5 days after presentation and delivery of Architect's certificate to the owner
Usual 35 days.....Final payment
TOTAL COST, \$8000

Bond, \$4000. Surety, Fidelity & Deposit Co. of Maryland. Limit, 75 working days. Forfeit, none. Plans and specifications filed.

BUILDING CONTRACTS

SAN MATEO COUNTY.

STORE AND LIVING ROOMS
PARK AVE AND GARDEN, Daly City. All work for one-story frame store and two living rooms.
Owner.....A. Tantz, Daly City.
Architect...None.
Contractor..Johnson & Rosengren, Daly City.

Filed Feb. 16, '15. Dated —,
Frame completed\$243.75
Enclosed and rough plastered 243.75
When completed 243.75
Usual 35 days..... 243.75
TOTAL COST, \$975.00

Bond, none. Limit, 65 working days. Forfeit, plans and specifications, none.

ALTERATIONS AND ADDITIONS

LOTS 75, 76, 78 less 3 acres, Forest View Road and Oak Grove Ave., as per map of Occidental Land & Imp. Co., Hillsborough. Steel work, excavation, concrete, plastering, brick work, wood work, carpenter, ornamental iron work, etc., for additions and alterations to residence.

Owner.....Geo. A. Pope, Hillsborough
Architect...Bakewell & Brown, 251 Kearny, San Francisco.

Contractor..F. H. Boring, San Mateo.
Filed Feb. 15, '15. Dated Feb. 11, '15.
On 15th of each month..... 75%

Usual 35 days..... 25%
TOTAL COST, \$3222
Bond, \$1611. Surety, American Surety Co. of New York. Limit, April 10, 1915
Forfeit, not less than \$10 or more than \$20 per day. Plans and specifications filed.

COTTAGE

LOT 19 BLK 20, Crocker Estate Tract, Sub No. 1, San Mateo. All work for four-room cottage.
Owner.....Arthur G. Duncan.
Architect...None.
Contractor...Allen & Knight.
Filed Feb. 16, '15. Dated Jan. 30, '15.
Frame up\$276.50
Mortar on 276.50
When completed 276.50
Usual 35 days..... 276.50
TOTAL COST, \$1106.00
Bond, none. Limit, April 1, 1915. Forfeit, plans and specifications, none.

COMPLETION NOTICES

SAN MATEO COUNTY.

RECORDED ACCEPTED
Feb. 13, 1915—PTN LOT 4-A Map No. 1 of Bowie Estate, San Mateo. Wm M Abbott to Matthies & GriffithFeb. 5, 1915
Feb. 16, 1915—LOT 3 BLK 77 Sub A of Wellesley Park, Redwood City. Flora A and Albert J Martens to Daly & Mackenzie.....Dec. 19, 1914

RELEASE OF LIENS

SAN MATEO COUNTY.

RECORDED AMOUNT
Feb. 11, 1915—LOT 17 BLK 117, South San Francisco Plot No. 1. Bates Borland & Ayer to Gertrude Swanson formerly Gertrude I Carroll\$19.26

LIENS FILED

SAN MATEO COUNTY.

RECORDED AMOUNT
Feb. 13, 1915—NW BELLE VIEW and Pepper Aves, Burlingame. Crane Co vs D T Murphy and D Brooks\$200.39
Feb. 16, 1915—LOTS 6, 7, 8, 9 BLK 66 Map No. 1 Dumbarton Oaks, Redwood City. August Loustau vs Albert Bros\$372.50
Feb. 16, 1915—LOTS 8 AND 9 BLK "E" Fair Oaks Acres, Palo Alto. R Heath vs Dr M H Schord and H J Ross.....\$60.46

MARIN, CONTRA COSTA AND SONOMA COUNTIES.

MUNICIPAL WHARF NO. 1—Timber pile construction. Cost not stated. Richmond, Contra Costa Co., Cal. Engineers, Haviland & Tibbetts, Alaska Commercial Bldg., S. F. Owners, City of Richmond. All bids received on February 15th for the construction of this wharf have been rejected and new figures will be called. Duncanson-Harrelson Co., S. F., submitted the low figure at \$116,984, which was about \$30,000 lower than the lowest bid received on a former set of plans. The bid was rejected on the grounds that it was presented in irregular form. March 1st has been set as the time for receiving the new bids. A complete

list of the figures submitted on February 15th will be found under the heading of Marin, Contra Costa and Sonoma Counties in this issue.

PAVING AND CONCRETE WORK—Cost not stated. Napa, Napa Co., Cal. Engineer, City Engineer, Napa. Owners, City of Napa. A resolution of intention has been passed to print by the City Council that the roadway on East First street from the west end of the concrete bridge to the east end of the stone bridge, be subgraded, macadamized and oiled to its full width, also that the roadway on the bridge from the east end to the center line be sub-graded, macadamized and oiled, and that a cement concrete retaining wall be constructed at the northeast end of the bridge; also that the north retaining wall be extended by stone masonry work, construction of concrete curbs and two catchbasins with iron stone pipe six inches in diameter.

RESIDENCE — 2 story and base, frame, \$5,000. Richmond, Contra Costa Co., Cal. Architect, James T. Narbett, Berry Bldg., Richmond. Owner, T. Park Jacobs. The dwelling has been designed for an eight-room house with bath and sleeping porch. Interior finish will be of pine, redwood and hardwood veneer. Hardwood floors will be used in the living room, dining room and reception hall. There will be furnace heat and open fire places. Mantels will be of tile or brick. An automatic water heater will be installed. Tile wainscot will be used in the bath room. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are now being prepared.

RESIDENCE—1½ story and base, frame, \$3,000. Martinez, Contra Costa Co., Cal. Architect, James T. Narbett, Berry Bldg., Richmond. Owner, J. Leo Baker. The dwelling will contain six rooms and bath. Interior finish will be of pine and redwood. Hardwood floors will be used in the living room, dining room and reception hall. There will be an open fire place and tile mantel. Tile wainscot will be used in the bath room and kitchen. An automatic water heater will be installed. Exterior of the house will be covered with cement plaster on metal lath. Plans are now being prepared.

Richmond Council Receives Bids.

Ten Bids Opened for Construction of New Municipal Wharf—Duncanson-Harrelson Co. Low Men.

Ten sets of figures were opened Monday night, February 15th, by the Richmond City Council for the construction of the timber pile wharf known as Municipal Wharf No. 1, designed by Engineers Haviland & Tibbetts, Alaska Commercial Bldg., San Francisco. Duncanson, Harrelson & Co. were low at \$116,984. Bids were referred to the Council and a special meeting will be held Wednesday night to award the contract.

Bids were submitted as follows: Prop. No. 1, dredging; Prop. No. 2, rock fill; Prop. No. 3, concrete piling; and Prop. No. 4, superstructure. Following is a complete list of the bids:

F. Rolandi—Prop. 1, \$3,500; Prop. 2, \$.85 per ton; Prop. 3, \$1.40 per lineal foot; Prop. 4, \$129,500.

Standard American Dredging Co.—Prop. 1, \$4,750.

Healy-Tibbetts Construction Co.—Prop. 2, \$.33 per ton; Prop. 3, \$1.25 per lineal foot; Prop. 4, \$136,534.

Thomson Bridge Co.—Prop. 3, \$.40 per lineal foot; Prop. 4, \$135,776.

A. Guthrie & Co.—Prop. 1, \$5,000; Prop. 2, \$.53 per ton; Prop. 3, \$1.36 per lineal foot; Prop. 4, \$128,483.

Tibbetts Pacific Co.—Prop. 1, \$4,800; Prop. 2, \$.65 per ton; Prop. 3, \$1.55 per lineal foot; Prop. 4, \$130,933.

Daniel Contracting Co.—Prop. 2, \$.65 per ton.

Moffatt & Mead—Prop. 2, \$.64 per ton. Duncanson-Harrelson Co.—Prop. 3, \$1.32 per lineal foot; Prop. 4, \$118,984.

San Francisco Bridge Co.—Prop. 1, \$4,382; Prop. 2, \$.73 per ton; Prop. 3, \$1.35 per lineal foot; Prop. 4, \$139,433.

On proposition No. 2 there is approximately 60,000 tons and on proposition No. 3 there are approximately 47,900 lineal feet.

COMPLETION NOTICES

MARIN COUNTY.

RECORDED ACCEPTED
Feb. 13, 1915—MILL VALLEY. Ralston White to Brockhage, Foley & Green.....Feb. 1, 1915

LIENS FILED

CONTRA COSTA COUNTY.

RECORDED AMOUNT
Jan. 18, 1915—LOTS 12 AND 13 BLK 20 as in Henderson, Tapscott Map of Richmond. L A Hufschmidt Mfg Co vs R M and Anna Wooley.....\$78
Feb. 16, 1915—LOT NO. 1 BLK 18, Town of Valona. M M Fererira vs William Nichols\$243

RELEASE OF LIENS.

CONTRA COSTA COUNTY.

RECORDED AMOUNT
Feb. 17, 1915—PTN OF DIV. "E" of E line Pinole Rancho. F Headley to Emma Grothman.....\$590.60

FRESNO, MODESTO STANISLAUS AND CENTRAL CALIFORNIA.

RESIDENCES—2, 2 story and base, frame, \$2,000 and \$3,000. Fresno, Fresno Co., Cal. Architect, none. Owner, W. H. Ackerman, 1245 San Pablo, Fresno. These dwellings will be erected in the Alta Vista Tract, and have been designed to contain six and seven rooms. Interiors will be finished in pine, redwood and hardwood. Hardwood floors will be used in the living rooms, dining rooms and reception halls. There will be open fire places and tile or brick mantels. Bath rooms will have tile wainscot. Automatic water heaters will be installed. Exterior will be covered with rustic and cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor. Materials are now being purchased.

BUNGALOW — 1 story and base, frame, \$1,500. Fresno, Fresno Co., Cal.

Architect, none. Owner, A. D. Trusdell, 437 San Pablo street, Fresno. The dwelling will be erected on San Pablo street; and has been designed for a five-room house with bath. Interior finish will be of pine and redwood throughout. Some hardwood floors will be used. An open fire place and tile mantel will be used in the living room. Tile wainscot will be used in the bath room and kitchen. Exterior of the house will be covered with rustic and cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor. Materials are now being purchased.

RESIDENCE—2 story and base, frame, \$10,000. Fresno, Fresno Co., Cal. Architects, Glass & Butner, Rowell Bldg., Fresno. Owner, Mrs. Henry Clinch. The dwelling has been designed to contain eight rooms, two baths and sleeping porches. Interior will be finished in pine and mahogany with hardwood floors in the principal rooms. There will be furnace heat and open fire places. Mantels will be of tile or brick. Bath rooms will have tile wainscot and floors. Automatic water heaters will be installed. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are now being prepared.

BUNGALOW—1½ story and base, frame, \$3,500. Fresno, Fresno Co., Cal. Architects, Glass & Butner Rowell Bldg., Fresno. Owner, Herbert Levy. The dwelling has been designed to contain seven rooms and bath. Interior will be finished in pine and redwood with some hardwood veneer. Hardwood floors will be used in the living room, dining room and reception hall. There will be furnace heat and open fire places. Mantels will be of tile or brick. Tile wainscot will be used in the bath room. An automatic water heater will be installed. Exterior of the house will be covered with cement plaster on metal lath. Plans are complete and a contract will be awarded shortly.

APARTMENT HOUSE—2 story and base, frame, \$20,000. Modesto, Stanislaus Co., Cal. Architect, Charles C. Frye, 20 Montgomery street, S. F. Owner's name withheld. The building will cover an area of 80 by 100 feet and has been designed to contain sixteen suites of two, three and four rooms. There will be wall beds and private bath rooms. Interiors will be finished in pine and redwood. Plans provide for steam heat and a hot water system. Bath rooms will have tile wainscot and composition floors. A large office and lobby will occupy the ground floor. Exterior of the building will be covered with cement plaster on metal lath. Plans are now being prepared.

HOSPITAL WARD AND DOCTOR'S RESIDENCE—Frame and brick construction. Cost not stated. Fresno, Fresno Co., Cal. Architects, Glass & Butner, Rowell Bldg., Fresno. Owners, Fresno County. Additional information has been received from Architects Glass & Butner regarding the three new buildings to be erected at the Fresno County Farm. While only preliminary plans have been prepared, the architects state that the plans approved by the Board of Supervisors provide for a tubercular ward building to accommodate 44 male patients and 6

female. Another building designed as a training school for nurses will have accommodations for 18 nurses. Plans are also being prepared for a one-story brick residence for a doctor's home. The other two buildings will probably be of frame and plaster construction with clay tile roofs. Further mention will be made of the work when plans are complete.

POST OFFICE ALTERATION—Cost not stated. Fresno, Fresno Co., Cal. Architect, R. D. Wilson, assistant supervising architect, Post Office Bldg., S. F. Owners, United States Government. If the suggestion of Postmaster Earl Hughes is carried out, the entire carrier department will be moved into the basement, making more room for the distribution of mail. Better ventilation and light must be provided if the basement is to be used by the carriers. Plans are being prepared.

TEMPORARY SCHOOLS—10, 1 story frame. Cost not stated. Fresno, Fresno Co., Cal. Architect, Advisory Architect W. D. Coates, Rowell Bldg., Fresno. Owners, City of Fresno. Bids will be received by the board of education up to 8 p. m. of February 26, for furnishing all labor and material for the erection of ten emergency school buildings in accordance with plans and specifications on file in the office of W. D. Coates.

STEEL TANK—Cost not stated. Modesto, Stanislaus Co., Cal. Engineer, City Engineer George Freitas, Modesto. Owners, City of Modesto. At a special meeting of the City Council plans and specifications prepared by City Engineer George Freitas for the proposed 100,000-gallon steel water tank to be erected at the eighth street pumping station were adopted and bids were ordered called for. The bids close March 10th.

SCHOOL—1 story, frame and plaster, \$7,500. Visalia, Tulare Co., Cal. Architect, C. K. Kirby, Fresno. Owners, City of Visalia. The building will contain three rooms and office. Interior will be finished in pine. There will be modern school plumbing. Exterior will be covered with cement plaster on metal lath. Plans are now being prepared.

Contracts Awarded.

RESIDENCE—2 story and base, frame, \$5,000. Fresno, Fresno Co., Cal. Architects, Glass & Butner, Rowell Bldg., Fresno. Owner, Charles Doyle. Contractors, Norris & Wallace, Fresno. Contract price, \$5,000.

RESIDENCE—2 story and base, frame, \$10,000. Fresno, Fresno Co., Cal. Architects, Glass & Butner, Rowell Bldg., Fresno. Owner, A. L. Braver man. Contractors, Trehwitt & Shields, Fresno. Contract price, \$10,000.

GARAGE—1 story and base, brick, \$2,750. Fresno, Fresno Co., Cal. Engineer, City Engineer, Fresno. Owners, City of Fresno. Contractor, A. D. Wilkins, 264 Ivy street, Fresno. Contract price, \$2,750.

SCHOOL—2 story and base. Class C construction, \$103,988. Fresno, Fresno Co., Cal. Architect, Eugene Mathewson, Forsythe Bldg., Fresno. Advisory Architect W. D. Coates, Rowell Bldg., Fresno. Owners, City of Fresno. Contractors, Trehwitt & Shields, Fresno. Contract price, \$103,988. This building is known as the Washington School.

STREET PAVING—Cost not stated. Fresno, Fresno Co., Cal. Engineer, City Engineer, Fresno. Owners, City of Fresno. Contractors, Worswick Street Paving Co., Union Bank Bldg., Fresno. Contract price, \$1½c for grading and 15½c for paving.

BUILDING CONTRACTS

FRESNO COUNTY.

FLATS

LOTS 21 AND 22 BLK 112, Fresno.
Flats.

Owner.....Jorgen Hansen.

Architect...None.

Contractor...C. Samuelson, 367 Jensen, Fresno.

COST, \$5000

DWELLING

LOTS 3 AND 4 Bloomington Addition, Fresno. Dwelling.

Owner.....R. E. Fellows, 733 Jensen St., Fresno.

Architect...None.

Contractor...Reese & Atkins, Fresno.

COST, \$1980

DWELLING

LOT 56 BLK 5, Dean Park, Fresno. Dwelling.

Owner.....Fresno Realty Finance Co., 933 K St., Fresno.

Architect...None.

Contractor...J. E. Cregor.

COST, \$1500

DWELLING

NO. 437 SAN PABLO AVE., Fresno. Dwelling.

Owner.....A. D. Trusdell, Premises.

Architect...None.

Day's work.

COST, \$1000

ALTERATIONS

NO. 1038 J ST., Fresno. Alterations.

Owner.....Ewing-McDaniel & Meux, 1036 J St., Fresno.

Architect...None.

Contractor...S. L. Allen, 3215 McKenzie St., Fresno.

COST, \$1000

DWELLING

LOT 2 BLK 27, Hazelwood, Fresno. Dwelling.

Owner.....W. H. Crowley, 3220 Ventura St., Fresno.

Architect...None.

Contractor...S. L. Allen, 3215 McKenzie St., Fresno.

COST, \$3000

DWELLING

LOTS 31 AND 32 BLK 5, Hadwell Tct., Fresno. Dwelling.

Owner.....G. L. Smith, 1821 Tuolumne St., Fresno.

Architect...None.

Day's work.

COST, \$2800

DWELLING

LOT 18 BLK 1 Alta Vista Addn, Fresno Dwelling.

Owner.....J. Brooks.

Architect...None.

Day's work.

COST, \$2200

DWELLING

½ LOT 24, LOT 25, ½ LOT 26 BLK 17 Belmont Add'n, Fresno. Dwelling.

Owner.....F. E. Lawrence, 2828 Thomas St., Fresno.

Architect...None.

Day's work.

COST, \$1800

HEATING PLANT
FRESNO. Heating plant in Grand Central Hotel.
 Owner.....Mary E. Berry.
 Architect...None.
 Contractor..Standard Plumbing Co.
 \$100 each week for 4 weeks....
 Completion\$300
 Usual 35 days.....Balance
TOTAL COST, \$1554
 Bond, \$700. Surety, Pacific Coast Casualty Co. Limit, forfeit, plans and specifications, none.

ALTERATION
LOTS 14, 15, 16 BLK 62, Fresno. Alter show window.
 Owner.....S. B. Goodman.
 Architect...None.
 Day's work. **COST, \$1000**

DWELLING
LOTS 25 AND 26 BLK 4 Arlington Heights Add'n, Fresno. Dwelling.
 Owner.....C. A. Clark.
 Architect...None.
 Contractor..J. R. Church, 1221 U St., Fresno.
COST, \$1000

FRAME DWELLING
LOTS 16 AND 17 BLK 1, Avondale, Fresno. All work for two-story and basement frame dwelling.
 Owner.....Geo. B. Graham, 1444 M St., Fresno.
 Architect...Plans by Contractor.
 Contractor..Dan Blosser, 217 Abby St., Fresno.
 Filed Feb. 11, '15. Dated Feb. 10, '15.
 On completion\$2700
 Usual 35 days..... 900
TOTAL COST, \$3600
 Bond, none. Limit, May 1, 1915. Forfeited, none. Plans and specifications filed.

DWELLING
LOTS 16 AND 17 BLK 1, Avondale. All work for dwelling.
 Owner.....Geo. B. Graham, 1444 M St., Fresno.
 Architect...None.
 Contractor..Dan Blosser, 217 Abby St., Fresno.
COST, \$3800

DWELLING
LOT 29 BLK 24, Alta Vista Addition, Fresno. Dwelling.
 Owner.....W. H. Ackerman, Agent for F. B. Billings, 1245 San Pablo, Fresno.
 Architect...None.
 Day's work. **COST, \$2950**

STORE
LOTS 7 AND 28 BLK 19, Grand Ave Park Add'n, Fresno. Store.
 Owner.....B. Kiremedjian.
 Architect...None.
 Contractor..M. H. Melekian.
COST, \$2500

DWELLING
LOTS 25 AND 26 BLK 3, Markley-Vincent Tract, Fresno. Dwelling.
 Owner.....Staver.
 Architect...None.
 Contractor..C. B. Harlow.
COST, \$2000

DWELLING
LOT 11 BLK 11, Alta Vista Add'n, Fresno. Dwelling.
 Owner.....W. H. Ackerman, Agent F.

B. Billings, 1245 San Pablo Fresno.
 Architect...None.
 Day's work. **COST, \$1950**

FIVE-ROOM BUNGALOW
W 1/2 LOT 6 BLK 7, W 1/2 OF S 1/2 Lot 1 Blk 10, Terry Tract, Fresno. Five room bungalow.
 Owner.....J. A. Cowdrey, 330 Park, Fresno.
 Architect...Plans by Contractor.
 Contractor..R. E. Stump, 3123 Inyo St. Fresno.

Filed Feb. 11, '15. Dated Feb. 8, '15.
 Ceiling joists on..... 1/4
 Plastered 1/4
 Completed 1/4
 Usual 35 days..... 1/4
TOTAL COST, \$1443
 Bond, \$750. Sureties, C. C. Hall and H. C. Bingham. Limit, 70 days. Forfeited, none. Plans and specifications filed.

COMPLETION NOTICES

FRESNO COUNTY.

RECORDED **ACCEPTED**
 Jan. 28, 1915—LOT 16 Hazelwood, Fresno. Arthur W Goodfellow to whom it may concern..Jan. 28, 1915
 Jan. 29, 1915—LOTS 37 AND 38 BLK 4, Buena Vista Add'n, Fresno. Lina Todd to whom it may concernJan. 25, 1915
 Feb. 16, 1915—LOTS 17 TO 22 BLK 85, Fresno. L L Cory to whom it may concern.....Feb. 15, 1915

LIENS FILED

FRESNO COUNTY.

RECORDED **AMOUNT**
 Jan. 26, 1915—LOTS 11 TO 16 BLK 64, Fresno. C B Phillips, \$26; Geo Glass, \$41; J W Phillips, \$28 vs T C White and Pease, Bundy & Taylor Co.
 Jan. 26, 1915—LOTS 1, 2, 3 BLK 11. Alhambra Tct, Fresno. Madarys Planing Mill vs W T Mattingly et al\$990
 Jan. 27, 1915—LOT 3 in NE 1/4 of Sec 21-13-17, Fresno. J W Angevine vs Henry H Fischer.....\$95
 Jan. 27, 1915—I STREET (White Theatre), Fresno. Valley Elec. Supply Co vs White Theatre Co, T C White, Pease, Bundy, Taylor Co\$15
 Jan. 28, 1915—LOTS 11 TO 14 BLK 64, Fresno. D F Griffin vs Pease, Bundy, Taylor Co.....\$332
 Feb. 17, 1915—LOTS 17 TO 21 BLK 82, Fresno. Eagle Transfer Co, \$7; Fresno City Water Co, \$54 vs Eleanor J and Frank H Ball.....
 Feb. 11, 1915—LOTS 17 AD 18 Ptn Lot 19 Blk 223, Fresno. Anderson Bldrs' Supply Co vs Henry Gede and German Lutheran Church..\$143

SACRAMENTO, STOCKTON AND NORTHERN CALIFORNIA.

BRIDGE—Steel and concrete. Cost not stated. Red Bluff, Tehama Co., Cal. Engineer, County Surveyor, Red Bluff. Owners, Tehama County. The Board of Supervisors of Red Bluff have accepted the plans and specifications prepared by the County Surveyor for the construction of a steel bridge

on the Henleyville road, in Road District No. 4. Bids for this structure will probably be called for immediately.

BUNGALOW — 1 story and base, frame, \$2,000. Sacramento, Cal. Architect, none. Owner, Charles Lindley, 3217 5th avenue, Sacramento. The dwelling has been designed for a five-room house and will be erected on 36th street near 7th avenue. Interior will be finished in pine and redwood. Some hardwood floors will be used. There will be an open fire place and tile mantel. Bath room will have tile wainscot. Exterior of the dwelling will be covered with cement plaster and rustic. Plans are complete and in the hands of the owner who will do the work by Day Labor. Materials are now being purchased.

BUNGALOW — 1 story and base, frame, \$3,500. Woodland, Yolo Co., Cal. Architect, Chester H. Miller, Dalziel Bldg., Oakland. Owner, Ralph Schluer. The dwelling has been designed to contain six rooms, bath and sleeping porch. Interior will be finished in pine and redwood with some elm panels. Hardwood floors will be used in the living room, dining room and reception hall. A large open fire place and tile or brick mantel will be used in the living room. There will be tile wainscot in the bath room and kitchen. An automatic water heater will be installed. Exterior of the house will be covered with cement plaster on metal lath. Plans are complete and figures will be called for at once.

FERRY WORK—\$2,500. Sacramento, Cal. Engineer, County Surveyor, Sacramento. Owners, Sacramento County. Bids opened by the Supervisors for the work on the Elkhorn Ferry were as follows: Jenkins & Wells, \$2,678; C. Amacka, \$2,240; Nunes Bros., \$2,970. All bids have been referred to the Contract Committee for report.

AMUSEMENT HALL AND LIBRARY —1 story, frame. Cost not stated. Yountville, Napa Co., Cal. Architect, State Architect, George B. McDougall, Sacramento. Owners, State of California. Plans have been completed and figures are now being taken for a frame and plaster amusement hall and library to be erected at the Veterans' Home at Yountville. Interior will be finished in pine and redwood. A large open fire place and brick mantel will be used. Exterior of the building will be covered with cement plaster. Plans are complete and can be secured from the office of the State Department of Engineering, Forum Bldg., Sacramento. Bids will be opened on March 17th. An official proposal appears in another column of this issue.

LODGE HALL— 4 story and base. Class C construction, \$125,000. Sacramento, Cal. Architect, Carl Werner, Phelan Bldg., S. F. Owners, Sacramento Scottish Rite Cathedral Association. The building will be erected at the southeast corner of 28th and L streets and will cover a large ground area. The entire building will be used by the owners. Interior will be finished in pine, hardwoods and ornamental plaster. Considerable art glass is specified. There will be steam heat, elevator service, vacuum cleaning and

dumb waiters. Special decorative effects are specified. Exterior of the building will be faced with pressed brick trimmed with terra cotta. Marble and tile wainscot will be used. Plans are now being prepared.

CHURCH—2 story and base, brick, \$25,000. Stockton, San Joaquin Co., Cal. Architect, John J. Foley, 46 Kearny, S. F. Owners, St. Gertrude's Parish. The building has been designed in the Spanish style, the exterior being faced with pressed brick. There will be a large main auditorium and Sunday school rooms. Interior will be finished in pine and ornamental plaster. A central heating system, probably steam heat, will be installed. There will be art glass windows and marble wainscot. Plans are complete and figures are being taken.

RURAL SCHOOL—1 story, frame. Cost not stated. Chico, Butte Co., Cal. Architect, State Architect George B. McDougall, Sacramento. Owners, State of California. Plans have been completed for a model rural school which is to be erected in connection with the State Normal School at Chico. Plans are complete and ready for figures. Bids will be opened on March 16th. Plans and specifications can be secured from the State Department of Engineering. An official proposal appears in another column of this issue.

PARSONAGE—2 story and base, brick, \$10,000. Stockton, San Joaquin Co., Cal. Architect, John J. Foley, 46 Kearny street, S. F. Owner, St. Gertrude's Parish. The dwelling will contain ten rooms and three baths. Interior will be finished in pine and hardwood with hardwood floors in the principal rooms. There will be furnace heat and open fire places. Mantels will be of brick. Tile floors and wainscot will be used in the bath rooms. There will be a hot water circulating system. Exterior of the house will be faced with pressed brick. Plans are complete and now out for figures.

CEMENT—2,200 barrels. Cost not stated. Sacramento, Cal. Engineer, City Engineer, Sacramento. Proposals are now being called for on furnishing Sacramento County with 2,200 barrels more or less of cement. Bids will be opened on March 2. Complete information can be obtained from the County Clerk of Sacramento.

STREET PAVING—Cost not stated. Sacramento, Cal. Engineer, City Engineer, Sacramento. Owners, City of Sacramento. All bids received recently for the improvement of D street from Eleventh to Fifteenth street were rejected as being above the amount available. New bids will be called for at once.

ELECTROLIERS—Cost not stated. Sacramento, Cal. Engineer, City Engineer, Sacramento. Owners, City of Sacramento. Contractors, Scott, Lyman & Stack, Sacramento. Contract price not stated. This contract covers the installation of electroliers on Maple avenue.

Contracts Awarded.

STREET PAVING—\$20,000. Redding, Shasta Co., Cal. Engineer, City Engineer, Redding. Owners, City of Redding. Contractors, Chico Construction Co., Chico. Contract price, \$20,000.

BUILDING CONTRACTS

SACRAMENTO COUNTY.

TENEMENT

NO. 1421 ELEVENTH on S ½ of N ½ Lot 8, N. O, 11th and 12th Sts., Sacramento. Three-story frame tenement.

Owner.....Frank E. Wright, 2322 L St., Sacramento.

Architect...None.

Contractor..F. P. Williams, Ochsner Bldg., Sacramento.

COST, \$9500

FRAME BUNGALOW

NO. 1029 YARDLEY AVE., on Lot 1607 and S 15 feet Lot 1608, W and K Tct 24, Sacramento. One-story 6-room frame bungalow.

Owner.....Clare Webster, 1311 18th St., Sacramento.

Architect...None.

Contractor..Wright & Kimbrough Bldg. Dept., 817 J St., Sacramento.

COST, \$1345

FRAME DWELLING

NO. 2431 TWENTY-SEVENTH, on S ½ of Lot 8, X, Y, 27th and 28th Sts., Sacramento. One-story 5-room and basement frame dwelling.

Owner.....Mrs. Marie Crawshaw, N St., Sacramento.

Architect...None.

Contractor..R. H. Harder, 1005 R St., Sacramento.

COST, \$1500

ALTERATIONS

NO. 1022 TENTH ST., Sacramento. Move steel column to new position, remodel front entrance to restaurant.

Owner.....Nick Const, Premises.

Architect...None.

Day's work. COST, \$400

GARAGE

NO. 2417 D ST., on W ½ Lot 6, C, D, 24th and 25th, Sacramento. Garage.

Owner.....C. Armstrong, Premises.

Architect...None.

Day's work. COST, \$400

BRICK BUILDING

SOUTHERN PACIFIC DEPOT Railroad Reservation, Sacramento. One-story and basement brick building.

Owner.....Central Pacific Railway.

Architect...None.

Day's work. COST, \$4500

FLATS

NO. 2322 L ST., on E ½ Lot 3, L, M, 23d and 24th Sts., Sacramento. Two flats 4-rooms each.

Owner.....Frank E. Wright.

Architect...None.

Contractor..Frank P. Williams, 3117 7th Ave., Sacramento.

COST, \$3000

RESIDENCE

THIRTY-SIXTH ST., near 7th Ave. on Lot 41, Ingleview Tract, Sacramento. One-story 4-room residence.

Owner.....Chas. Lindley, 3217 5th Ave., Sacramento.

Architect...None.

Day's work. COST, \$1200

ALTERATIONS

NO. 623 J ST., on W ½ Lot 6, I, J, 6th & 7th Sts., Sacramento. Place new T and G floor, remove awning, etc., on two-story brick building.

Owner.....Ed. Welch, 418 L St., Sacramento.

Architect...None.

Contractor..J. A. Hunter, 3742 Magnolia Ave., Sacramento.

COST, \$650

FRAME RESIDENCE

NO. 3031 SECOND AVE., Lot 47 Curtis Oaks, Sacramento. One-story 5-room frame residence.

Owner.....D. T. Owen, 1517 F St., Sacramento.

Architect...None.

Contractor..J. M. Owen, 523 61st St., Oakland.

COST, \$2000

REPAIRS

NO. 618 K ST., on W 60 feet Lot 3, K, L, 6th and 7th, Sacramento. Repairs in store.

Owner.....Wasserman-Gattmann, 618 K St., Sacramento.

Architect...R. A. Herold, Forum Bldg., Sacramento.

Contractor..Gustave Wendt, 2130 M St., Sacramento.

COST, \$1400

LIENS FILED

SACRAMENTO COUNTY.

RECORDED ACCEPTED

Jan. 19, 1915—E ½ OF N ½ LOT 4, P. Q. 26th & 27th Sts., Sacramento John J Breslin vs F E Shaw..\$118.35

Feb. 15, 1915—TRACTS 32 AND 33, Carmichael Colony No. 1, Sacramento. Geo E Feters vs John F Harlow and Josephine, wife, et al

LOS ANGELES AND SOUTHERN CALIFORNIA.

RAILROAD CONSTRUCTION—Cost not stated. San Bernardino, San Bernardino Co., Cal. Engineer's name not given. Owners represented by Attorneys Leonard, Surr & Hellyer, San Bernardino. It was learned that a new railroad is soon to be built on the desert, when the San Bernardino Mountain Railroad Company filed a condemnation suit against interests near Victoryville, in order to construct a line from a point near that city to new quarries that are to be opened about six miles distant, at the base of the mountains. Attorneys Leonard, Surr & Hellyer and H. L. Carnahan of Riverside represent the new railroad line in the litigation, and the defendants are Carl Leonardt and W. R. Clark, A. G. Hubbard and Russ Avery. Leonardt is himself planning the construction of a railroad to the site of a cement plant he is contemplating building in the same vicinity.

STORM WATER SEWER SYSTEM—Cost not stated. Riverside, Riverside Co., Cal. Engineer, City Engineer Campbell, Riverside. Owners, City of Riverside. City Engineer Campbell has presented plans and specifications for changes to be made in the storm drainage sewer system in Fairmount Boulevard, formerly Almond street. On approval of the plans bids will probably be called for on the work.

THEATRE—2 story, brick and steel. Cost not stated. Venice, Los Angeles Co., Cal. Architect, C. H. Russell, Story Bldg., L. A. Owner, Col. Thomas Prior. The building will be erected

E. H. Williams

Chalmer Munday

Munday & Williams

Attorneys-at-Law

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615 Phelan Building, San Francisco

on Ocean Front and Windward avenues, covering an area of 100 by 160 feet. The main portion of the building will contain a theatre seating 800 people. Arrangements have also been made for a large cafe and amusement devices. There will be steam heat. Interior finish will be of pine and ornamental plaster. Exterior of the building will be faced with pressed brick. Plans are now being prepared.

APARTMENT HOUSE—5 story and base, reinforced concrete, \$150,000. Los Angeles, Cal. Architects, Train & Williams, Exchange Bldg. L. A. Owner, F. R. Kellogg, 521 Douglas Bldg., L. A. The building will be erected at the corner of Orange Grove and Eleventh Drive, and has been designed to contain a total of 196 rooms arranged in suites of three, four and five rooms. There will be a garage covering an area of 50 by 55 feet. Interiors will be finished in pine and hardwood with hardwood floors in the principal rooms. There will be steam heat, elevator service, a vacuum cleaning system and hot water supply. Bath rooms will be finished in tile. Exterior of the building will be faced with cement plaster. Plans are now being prepared.

APARTMENT HOUSE—4 story and base, brick. Cost not stated. Los Angeles, Cal. Architect, Frank M. Tyler, Black Bldg., L. A. Owner, Burton G. Adams. The building will be erected at the southeast corner of Witmer and Ingraham streets, covering an area of 52 by 120 feet, and has been designed to contain 90 rooms. Apartments will consist of two, three and four rooms with wall beds and private baths. Interior finish will be of pine

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and hardwood with some hardwood floors. Plans provide for steam heat, an automatic elevator and hot water supply. Bath rooms will be finished in tile. Marble and tile wainscot will be used in the lobby. Exterior of the building will be faced with pressed brick. Plans are now being prepared and when complete the work will be

WAREHOUSE—4 story and base, reinforced concrete, \$30,000. Los Angeles, Cal. Architect, E. P. Parcher, 6719 Hollywood Boulevard, L. A. Owners; C. E. Toberman Co. The building will be erected on Highland avenue near Hollywood, and will cover an area of 35 by 140 feet. Construction will be of reinforced concrete throughout. There will be freight and passenger elevators, a vacuum cleaning system and metal window sash and frames. Interior finish will be of pine. Exterior of the building will be faced with cement plaster. Plans also provide for an automatic sprinkler system and fireproof vaults. Plans are now being prepared.

WAREHOUSE—1 story, hollow tile and frame. Cost not stated. East San Pedro, Los Angeles Co., Cal. Architects, Eisen & Son, Wilcox Bldg., L. A. Owners, Southern California Fish Co. The building will cover an area of 235 by 70 feet. Construction will be of frame, hollow tile and corrugated iron. No interior finish will be used. Exterior of the building will be faced with cement plaster. Plans are complete and figures are being taken.

HOTEL—4 story and base, brick and steel. Cost not stated. Anaheim, Orange Co., Cal. Architect, Eugene M.

Durfee, Anaheim. Owner, John Ziegler. The building will be erected at the corner of Center and Lemon streets covering an area of 70 by 100 feet. The first floor will be arranged for banking rooms for the Anaheim National Bank and the dining room and kitchen of the hotel. Upper floors will contain a total of 54 guest rooms and a number of private and public baths. Interior finish will be of pine throughout except in the banking rooms, which will be finished in hardwood, tile and ornamental plaster. Plans provide for steam heat, elevator service and a hot water system. Exterior of the building will be faced with pressed brick. Plans are now being prepared.

SCHOOL—1 story and base, brick, \$30,000. Watts, Los Angeles Co., Cal. Architects, Tuttle & Angel, Delta Bldg., L. A. Owners, City of Watts. The building will contain from eight to ten class rooms, assembly hall and teachers' room. Interior will be finished in pine with maple floors in the class rooms. There will be a central heating system, probably warm air system, modern school plumbing and a vacuum cleaning system. Exterior will be faced with pressed brick. Preliminary plans are being prepared.

SCHOOL—1 story and base, brick. Cost not stated. Los Angeles, Cal. Architect, C. F. Skillings, Garland Bldg., L. A. Owners, City of Los Angeles. The building will be erected in the Hostette School District, and has been designed to contain four class rooms and assembly hall. Interior will be finished in pine through-

Williamson's Continuous Clothes Line Outfit**Clothes Line Problem Solved At Last**

DOUBLE your line space, use all the line. No empty top line, keeps the clothes free from the soiled line, making it sanitary. Take clothes off any part of line without removing the wet clothes.

CONSTRUCTION: The pulleys are made of cast iron galvanized; so constructed as to allow the patent clothes pine to pass through carrying the clothes around the pulleys, thereby using both lines.

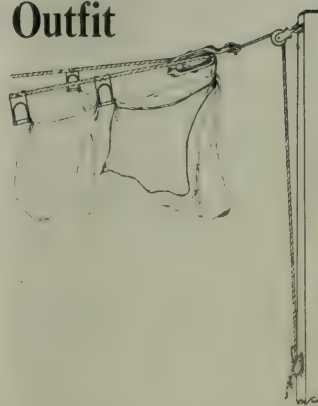
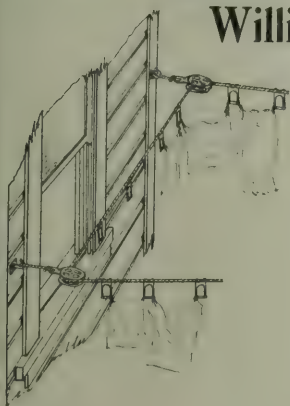
BY using three pulleys, the lines are spread apart as shown in the picture and allows you to put clothes on or take them off the line without hanging out of the window side-ways. The clothes pin is made of heavy galvanized wire formed in such a manner as to allow it to be fastened to the clothes line very easily; nothing complicated to get out of order. Holds the clothes free from the line so the lines need not be covered with cloth-strips in order to keep the clothes from being soiled from the line. The strongest wind cannot blow the clothes out of the pins as they are held in a spring slot. When the wind blows it pulls the clothes deeper into the slot holding them tighter.

NO SPRINGS TO PRESS OR SQUEEZE

to get the clothes in or out. Just slip clothes in slot Sanitary. Stronghold, Clothes Pins, 3 Continuous and pull down. WILL hold the daintiest fabrics or Clothes Line Pulleys and 1 Pair Line Splicers. the heaviest blanket. 1340 Mission St. Phone Mkt. 4008.

THIS OUTFIT CONSISTS OF 3 DOZEN

Stronghold, Clothes Pins, 3 Continuous and pull down. WILL hold the daintiest fabrics or Clothes Line Pulleys and 1 Pair Line Splicers. Price, \$2.00 per Set.



out. There will be modern school plumbing and a central heating system. Exterior of the building will be faced with pressed brick. Plans are now being prepared.

STORES AND LOFTS—3 story and base, reinforced concrete. Cost not stated. Los Angeles, Cal. Architect, W. J. Saunders, Laughlin Bldg., L. A. Owner's name withheld. The building will be erected on Los Angeles street between 6th and 7th streets, and will have a frontage of 40 feet and a depth of 135 feet. There will be reinforced concrete walls, floors and roof slabs. Interior will be finished in pine. Plans provide for elevator service and steam heat. Metal window sash and frames will be used. Exterior of the building will be faced with pressed brick. Plans are now being prepared.

Contracts Awarded.

SCHOOL—1 and 2 story and base, hollow tile, \$45,000. Los Angeles, Cal. Architect, Robert M. Taylor, Marsh-Strong Bldg., L. A. Owner, Clenega School District. Contractors, F. O. Engstrom Co., 5th and Seaton streets, L. A., general construction, \$34,593; Howe Bros., plumbing, \$3,527; F. E. Newberry Electric Co., electric work, \$1,338; Foss & Jones, heating and ventilating, \$4,565; Z. L. Parmelee, electric fixtures, \$840, and Standard Electric Time Co., program clocks, \$644.

RESIDENCE—2 story and base, hollow tile and brick. Cost not stated. Los Angeles, Cal. Architects, Dennis & Hewitt, Fay Bldg., L. A. Owner, George C. Huntsberger. Contractors, Huntsberger-Reed Construction Co., Van Nuys Bldg., L. A. Contract price not stated.

PORTLAND AND OREGON

OIL PLANT AND DOCK—\$500,000. Portland, Ore. Engineers, Reitz, Storey & Duffy, Northern Bank Bldg., Seattle. Owners, Shell Oil Co. of California. Plans for the construction of an oil plant to cost one-half million dollars to be located on the Willamette River near the Willamette River bridge, are now being prepared by Engineers Reitz, Storey & Duffy. The plans will call for a dock, two large steel reservoirs with concrete foundations, having a capacity of 55,000 barrels each, a pipe line and pumping facilities, etc.

LODGE HALL AND STORES—2 story and base, brick and concrete \$50,000. Klamath Falls, Ore. Architects, Houghtaling & Dougan, Henry Bldg., Portland. Owners, Klamath Falls Elks' Hall Association. The building will cover an area of 50 by 100 feet. Besides stores, the first floor will contain ladies' parlor, reading and lounging rooms, billiard room and cafe. Basement will be arranged for swimming pool, locker rooms and gymnasium. A large banquet hall and lodge rooms will occupy the second floor. Interior will be finished in pine and hardwood with ornamental plaster. There will be steam heat and vacuum cleaning. Exterior of the building will be faced with red pressed brick and terra cotta. Plans are now being prepared.

SEATTLE AND WASHINGTON

APARTMENT HOUSE—1 and 5 story and base, brick and concrete, \$105,000.

Seattle, Wash. Architect, J. O. Taft, 2334 10th avenue, North Seattle. Owners, Woodmen of the World. The building will be erected at the southeast corner of Pine and Minor avenue, covering an area of 113 by 125 feet. There will be five stores on each of the street frontages. Upper floors will contain a total of seventy-two suites of two and three rooms. Interior finish will be of pine and redwood with some elm panels. Hardwood floors will be used in the living rooms and halls. There will be steam heat, elevator service, a vacuum cleaning plant and hot water supply. Patent store fronts are specified. All apartments will have wall beds. Bath rooms will be finished in tile. Marble and tile wainscot will be used in the entrance. Exterior of the building will be faced with pressed brick trimmed with terra cotta. Plans are complete and figures will be called for shortly.

HOTEL—7 story and base, steel and brick, \$100,000. Olympia, Wash. Architect, V. W. Voorhees, Eitel Bldg., Seattle. Owners, Olympia Hotel Co. The building will cover an area of 120 by 120 feet and will be of fireproof construction. Bids have been taken and show Martin & Dougan, Northern Bank Bldg., low at \$100,000. They will probably be awarded the contract.

CITY PLANNING AND THE SINGLE TAX.

Dr. Frederick C. Howe Talks to Cleveland Chamber of Commerce on Practical Methods for Social and Civic Problems.

From the Ohio Architect, Engineer and Builder.

Dr. Frederic C. Howe of New York City, recently appointed federal immigration commissioner at New York, addressed the Cleveland Chamber of Commerce on January 19th on the subject of "City Planning." His address concluded with an appeal for the adoption of the single tax as a means of reaching an untapped reservoir of wealth that would solve many social and civic problems.

G. B. Bohn, president of the Cleveland Chapter of the American Institute of Architects, Harry Hughes, president of the Architectural club of Cleveland, E. H. Whitlock, president of the Cleveland Engineering Society, and L. A. Moses, president of the Cleveland Real Estate Board, were also honor guests at this luncheon.

In the course of his address, Dr. Howe said:

"'City Planning' is the most important of all city improvements because it includes them all. It treats the city just as an architect treats a building; just as the head of a great manufacturing plant treats his entire establishment. It is a vision of the city as a whole rather than as mere collection of individuals, each going his own way, and each, by reason of his liberty, destroying the unity of the whole.

"The chief trouble with the American city is not inefficiency, not dishonesty, as is generally assumed. The chief evil is the privileges and powers which we have given to private property to do as its owners will, irrespective of their influence upon the community as a whole. We have per-

mitted men to lay out streets of any width, style or direction, and in consequence we have no unity of purpose and no orderly development and growth. Each individual, too, is permitted to build any kind of a house he wants to, to locate it flush with the street, to build an apartment in a residence district, or destroy values by a noisy garage, manufacturing plant or other objectionable nuisance. Streets are the most important thing about a city; they should be treated with as much reverence as great public structures. We spend a large part of our time upon the streets, and irrespective of transportation and circulation streets should be as beautiful as possible. And in order that they may be beautiful and harmonious and adjusted to the various circulatory needs of the city, they should be planned, built and projected by the city and laid out far in advance of the city's growth. This is the first fundamental of city planning. It is the beautiful streets of Paris, designed by Louis XIV, Napoleon I and Napoleon III that have made Paris the capital of the world. It is this more than anything else that lends wondrous charm to the city. The same is true of Vienna, Budapest, Dresden, Munich and Frankfurt. All the great cities of the world are cities whose streets have beauty or charm, and we cannot have a proper city unless the streets are designed in this careful far-seeing way.

"Town planning includes the control of the water front not only for business but for pleasure. Again, the beautiful cities of Europe are those which own their water fronts and spend colossal sums in their development. No European city permits private business to so completely appropriate its water front as to destroy its use by the whole community as a promenade way, for recreation, or for pleasure. All along the Rhine in Paris and Dresden and on the Danube, water fronts are the center of the city's life; and Cleveland has a great opportunity to reclaim its whole water front, and by an intelligently conceived and carefully worked out plan to make it not only a wonderful harbor but a place for the whole recreative life of the millions of people who will ultimately make Cleveland their home.

"Another plan and project which Cleveland should undertake in the development of that great stretch of beautiful building territory extending from Euclid avenue and Woodhill road to Warrensville. Here is a wonderful place for residences, and if this territory is properly planned, with broad streets, with parkage and with limitations on the kind of buildings that can be erected, it would prevent the reappearance of bad housing conditions, and this section would in effect become a great parkway for innumerable people. And it is so easy to develop such a parkage now. It cannot be done after rights have become vested, after streets have been laid out by private owners, after the entire area has been built up. Cleveland could be one of the most beautiful residence cities if this great territory were laid out by competent architects and landscape gardeners, as is done by the cities of Germany, which plan every step of suburban development far in advance of building.

"German cities, too, designate cer-

tain sections for industries, for factories; and they compel factories to locate in this part of the city. These sections are not chosen arbitrarily, but are close by water and rail transportation. The city itself usually buys the land at agricultural prices, lays it off, and builds railroad spurs and sidings so that the smallest manufacturer can secure a good site at a relatively small cost. Were Cleveland to undertake such an industrial development in connection with water and rail transportation, it would add to its industry and population more rapidly than by any other means.

"Transportation, gas and electric lighting are the circulatory system of the city. They, too, are part of its planning. And European cities recognize that these agencies cannot with safety be left in private hands. They are just as much a part of the city's life as is the plumbing of a building or the blood vessels of the human body. The city should own these services, and owning them, plan them in connection with a well designed, orderly civic growth.

"All these are integral parts of this new art of city planning which has sprung into existence in the last twenty years. It is the greatest single municipal idea. Town planning acts have been recently passed in France and England. All German cities are planned by experts.

"How shall we pay the bills for city planning? First, by special assessments upon property benefited; not alone for streets and sewers but for parkways, parks, playgrounds, and every other permanent improvement which enhances the value of the property affected by the improvement. Kansas City has laid out \$10,000,000 worth of parks, and it has not cost the city a single cent; Denver is paying for its civic center by special assessments; while New York City is contemplating the extension of special assessments so as to cover practically every investment which peculiarly benefits a separate locality.

"Fundamental to town planning is the land question. It controls everything else. It is the inhibitive price of city lands that prevents all our projects. And this problem can only be solved by land valuation taxation, by the single tax, by taking taxes off buildings and improvements and the things that everybody wants, and by placing them upon the land itself, which increases in value with every babe that is born and with every immigrant that comes into the community. Each individual soul add from \$800 to \$1,000 to the value of the land. And that value is appropriated by someone else, who levies a tribute in ground rent upon all of us for the mere privilege of being upon the earth. And this community value belongs of right to all of us. It should be taken by all of us for community needs. Here is an untouched source of revenue, which in Cleveland amounts probably to \$20,000,000 a year. It may amount to \$30,000,000. This is merely the ground rents, the unearned annual tribute which society permits a few individuals to appropriate after society itself has created it. Here is wealth to carry on all our improvements; here is a social fund waiting to be appropriated. And by the appro-

priation of this fund through taxation we solve the land problem. We put an end to speculation, for under the single tax men must use or sell the land to someone who will use it. This is the social message of the single tax. By forcing land into use it creates opportunities for labor. It enables men to build homes, it cheapens factory sites, and through the stimulation of building it gives employment to men. This is the crux of the unemployment problem, for there is opportunity for millions to employ themselves profitably were the dead hand of the speculator removed, and the resources of the earth opened up to use by all."

TEN YEARS OF THE DUMA.

The Russian Duma has been figuring conspicuously in the dispatches in the last few days. It has been addressed by ministers and has adopted resolutions approving the conduct of the war much like other legislative bodies. Also it has announced various demands for the extension of popular rights as a condition of its agreeing to the budget.

The czar still bears the title of "autocrat," but his power is being gradually limited by the growth of representative government. The Duma has nothing like the power of the British House of Commons, for instance. But it is becoming a real factor in Russian affairs.

Representative government was instituted in Russia in 1905 to meet the dissatisfaction that resulted from the failure of the war with Japan. Of course political liberty is something that cannot be conferred on a nation by a decree of a benevolent despot. It must gradually be won by the people themselves.

The first and second Dumas were unable to work with the administrative officials, and so were dissolved. Sir Donald Mackenzie Wallace, the English authority on Russia, has told of a conversation he had with a Liberal leader, in which he suggested that the Liberals had made a mistake in not co-operating with the government on the basis of a compromise instead of trying to kick the table over and get all reforms at once. "In the course of ten years," said Sir Donald, "your party would have become an important factor in advancing the cause of democracy." "Ten years!" exclaimed the Russian, "we can't wait that long."

But Russian politicians have been learning by experience, and of late the Duma has been making progress toward getting control. While the czar has the same power as the German emperor to retain a prime minister against the will of the legislative body, the power is to some extent limited by the necessity of having a minister who can get on with the Duma. The czar can dissolve the Duma, and so retains the supreme direction of affairs. But this is done only as a last resort.

All varieties of the population are represented in this legislative body—business men, peasants, workmen, priests, Cossacks, Mussulmans in their Oriental robes. But they are learning to work together and to meet the governmental problems with intelligence.

The great weakness of the Duma has been, and is still, not in its constitution, but in the ignorance and inexperience of the mass of the people be-

hind it. This will be gradually changed. The number of schools is increasing, and a degree of compulsory education has now been made part of the compulsory army service. A high percentage of the recruits cannot read or write. They are taught the rudiments after entering the army.

Gradually Russia is being swept into the drift of the civilizing influences of European culture.

In his autobiography, written in the '60s, Horace Greeley said: "In modern society, all things tend unconsciously toward grand, comprehensive, pervading reforms. The steamboat, the railroad, the omnibus, are but blind gropings toward an end which, unpremeditated, shall yet be attained; in the order of Nature, nothing ultimately resists an economy."

With the wonderful strides that were made with the advent of the steamboat, the steam engine, and the electric telegraph the modes of communication of the world were revolutionized. These were the times in which Greeley lived and wrote. But even since his day the progress has gone on unimpeded. The electric train, the gas engine, the telephone, the wireless telegraph are all inventions of the present generation. So are the multitudinous other inventions that have effected economies in the world's industrial life.

The Exposition will be an exhibit of the world's industrial progress. The immense strides that have been effected within the short life of a man will be brought out in wonderful contrasts. And in contradistinction of the arts of peace from the world old barbarism of war, which now encompasses the whole of Europe, the splendid achievements of the men who have harnessed the forces of the world will stand as lasting monuments.

UNEMPLOYMENT INSURANCE.

Cleveland Company Proposes a Plan to Care for Idle Men.

From the Iron Trade Review. The announcement made by Charles E. Adams, president of the Cleveland Hardware Company, in an address to the members of the Metal Trades' Superintendents' and Foremen's Club of Cleveland last Saturday evening, that his company expects to add a plan of unemployment insurance to the other forms of insurance now in force at the progressive plant of that concern marks a departure which will attract widespread interest among manufacturers of the country.

Mr. Adams is chairman of the citizens' committee of Cleveland which is conducting a campaign to raise \$100,000 to provide employment on the public works of the city for worthy men who are now idle, and while engaged in this laudable task Mr. Adams conceived the idea of providing unemployment insurance for the men in his own plant. He did a little figuring and became convinced that if every man should contribute a cent a day, while employed, to an unemployment fund, the amount would be ample pay to every unemployed man of the company \$1 per day throughout the period of his employment. Details are to be worked out, but the plan promises to have wide popularity and to add greatly to the efficiency of employees.

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A man who is not worried about the danger of being thrown out of employment will do much better work than one who is constantly harassed by fear of being unable to provide for his family. The assurance that he will receive at least \$1 a day, no matter what happens in the industrial world, will contribute greatly to his contentment.

William T. Hornaday, Director of the New York Zoological Park, and widely known for his writings on natural history subjects, has sent out to various publications an article on our military unpreparedness and the weakness of our national defense. He calls our situation "a fool's paradise," and quotes statistics and facts to prove his argument.

There is no denying the fact that the past six months have shown that the world's idea of peace was an utopian dream. And so long as the chief end and existence of some nations is military achievement and nationalism through aggression there must be some

adequate means of self protection. Arguments and treaties count for naught as long as the present standards prevail. And while the morals of the highwayman obtain in international relations it is up to the nation itself to protect itself just as the pioneer does where there are no police.

LAMPBLACK.

A German process of collecting lamp-black consists in placing two electrodes in a flame rich in carbon and passing a direct electric current of about fifteen volts. The lampblack deposited on the negative electrode consists of much finer particles than the ordinary, the material being especially suitable for fine printing inks and high grade paints.

ECONOMY IN ROAD BUILDING.

SANTA ANA, CAL.—Orange county, California, challenges the nation to surpass a good-roads construction economy record which it has established. To keep pace with the wonderful high work being done by California counties, Orange, two years ago, issued bonds for \$1,270,000 to be used for the construction of county boulevards. The county's highway engineers, themselves, were astounded when they completed the work outlined, with \$240,000 of the amount realized by the bond sale still in the county treasury. The money will be spent for further highway paving.

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Leonard, J. P.
McCabe & Brown
McClenahan &
Co., T. W.
Miller, Louis
Mission Concrete
& Mosaic Wks.
Moroncelli, John
Nilson & Arras
New Era Marble
& Concrete Co.
Nugent, Robinson
Rasmussen, A.
Riboni, Henry
Schlosser, Max
Schmidt & Son, J.
Sundberg, A.
Spargo, John
Thomas & Sands
Westerlund, J. V.
Zimmerman, L. M.
Concrete Machy.
Bacon & Co., E. R.
Road Machy. Co
Lansing Co.
Livermore Co.,
Norman B.

**Contractors'
Equipment.**

Bacon & Co. E. R.
Blaisdell Mchy.
Co.
Compressed Air &
Gen. Mchy. Co.
Lansing Co.
Mapes, Sanford N.
Orenstein - Ar-
thur Koppel Co.

Cornice Works.

Amsler Sheet
Metal Works
Appman Cornice
Works
Atlas Heating &
Ventilating Co.
Capitol Sheet
Metal Works
Conlin & Roberts.
Crown Cornice
Works
Cronan, Wm.

**Elite Sheet Metal
Works**

Guilfooy Cor. Wks.
Comyns & Nygren
Forderer Cornice
Works
G. & M. Sheet
Metal Works.
Hibernia Sheet
Metal Works
Hughes, H. J.
Ideal Cornice Co.
Korell & Co., J. A.
Modern Sheet
Metal Works
Morrison & Co.
U. S. Metal Prod-
ucts Co.
Western Furnace
& Cornice Co.
S. F. Metal Stamp
& Corr. Co.

Crude Oil Burners

Bill & Jacobsen
Fess System Co.
Johnson Co., S. T.

Crushed Rock.

Bay Devel. Co.
Cal. Building Ma-
terial Co.
Cassarretto, John
City Supply Co.
McMullin, A. L.
Simon-Fout Brick
Co.
Star Contracting
Company.
Standard Crushed
Rock Co.
Stone Co., E. B. &
A. L.
Western Develop-
ment Syndicate

Damp Proofing.

Brickley, P. J.
Fox, John L.
Keene Co., R. E. G.
Reagle & Jamel-
son
Taylor, L. A.
Whittier - Coburn
Company.

**Door Opener and
Closer.**

Rischmuller, Geo.

Electric Fixtures.

City Electric Co.
Gas & Elec. App.
Co.
Pac. Gas & Elec
Company.

**Electric Wiring &
Equipment.**

American Elect.
Eng. Co.
Central Elec. Co.
Decker Electrical
Construction Co
Farnsworth Elec-
trical Works.
General Electric
Constr. Co.
Globe Electric
Works
Hicks & Folte
Kirsten, W. H.
Lauder, H. I.
Manhattan Elec-
trical Co.
National Electric
Co.

Newberry - Bend-
heim Elec. Co.
Peters, Gus. J.
Rex Electric Con-
struction Co.
Ridley, A. E. B.
Rochdale Elec. Co.
Schmetschek, M.
Turner Co. The
Vitt Elec. Co.
Weidenthal - Gos-
liner Elec. Co.
Weiel Electric Co.

Elevator Builders.

Otis Elevator Co.
S. F. Elevator Co.
Van Emon Eleva-
tor Co.

Estimator.
Dillon, H.

- Morser, E. J.
Peterson, P. O.
Priddle, Arthur
Walker, J. M.
Church
- Floors, Composition.**
Artolith Mfg. Co.
Bender R.&P. Co., J. W.
Dwan Co., J. E.
Fibrestone & Roofing Co.
Flaherty R. & P. Co., R. H.
Malott & Peterson
- Floors, Hardwood**
Hardwood Int. Co.
Inland Floor Co.
Pac. Floor Sanding Co.
- Galvanized Iron.**
Baker & Hamilton
Berger Fg. Co.
Gas Fixture.
Day Co., Thomas
- Gas Heating Systems.**
Reactor System
Gas Heating Co.
- Gasoline Tanks & Pumps.**
Brown, F. R.
Blaisdell Mch. Co.
- Glass & Glazing.**
Cal. Plate & Window Glass Co.
Friedman Bros.
Fuller Co., W. P.
Grosslicht & Dinneane
Habenicht & Howlett
Mission Plate & Window Glass Co.
Pioneer Plate & Window Glass Co.
Schwarz & Gottlieb
- Grading.**
Brankok, J. P.
Carlin Bros.
Cassaretto, John
Davincenzi & Co., L.
Dillon Teaming Co.
Federal Transfer Co.
Giorgi Co., G.
Hartnett J. D.
Harbor View Contract Co.
Hule Co., E. M.
Lennon Co., J. E.
Lettier, Fred
McGlinchey & Monahan
Montague Co., P.
O'Day Co., Dan'l
O'Donnell, Philip
Powers, Chas. J.
Bibley Grading & Teaming Co.
Star Con. Co.
Wright Co., J. H.
- Granite Curbing.**
Graham Granite Co.
Lead Granite Co., W.
Pacific Granite Co.
Tronoff, John
- Gravel.**
Bay Devel. Co.
Cal. Building Material Co.
Cassaretto, John
City Supply Co.
Standard Crushed Rock Co.
Star Contracting Company
Stone Co., E. B. & A. L.
Hardwood Dealers.
Inland Floor Co.
Hardwood Interior Co.
Union Floor Co.
- Wood Lumber Co., E. K.
Hd'ware, Dealers.
Baker & Hamilton
Bennett Bros.
Kruse, J. H.
Joost Bros.
Meyer, Adolph
Norman & Sons, F. G.
Palace Hd'ware Co.
S. F. Hd'ware Co.
Smith Co., P. A.
- Heating & Ventilating.**
Atlas Heating & Ventilating Co.
Kiernan & O'Brien
Hurley Co., J. C.
Lawson, Herman
Looney Co., J.
Mangrum & Otter
Snook & Co., Fred W.
Torrid Zone Furnace Co.
Turner Co., The
Wilson, Robt. M.
- House Movers & Raisers.**
Hatch, H. L.
Pearson, N. H.
Sullivan, D. J. & T.
- Hoisting Engineer.**
Le Clair, S. D.
- Inland Floors.**
Hardwood Interior Co.
Inland Floor Co.
Pac. Floor Sanding Co.
- Interlocking Tile Blocks.**
California Denison Block Co.
- Iron Foundry.**
Steiger & Kerr, Stove & Foundry Co.
Iron & Steel.
Baker & Hamilton
Dawson & Noyes
Judson Mfg. Co.
Pacific Coast Steel Company.
Trussed Concrete Steel Company.
Woods & Huddart
- Iron Works.**
Brode Iron Wks.
Dyer Bros.
Eureka Wire & Iron Wks.
Golden Gate Iron Works
Hillard Co., C. J.
Kell Iron Works
Michel & Pfeffer
Monarch Iron Works
Pacific Iron Wks.
Pacific Structural Iron Works.
Ralston Iron Works
S. F. Iron Works
Sartorius Co.
Schraeder's Iron Works
Steiger & Kerr Stove & Foundry Co.
Vulcan Iron Wks.
West Coast Wire & Iron Works
Western Iron Works
- Joist Hangers & Post Caps.**
Falls Mfg. Co.
Pac. Bldg. Materials Co.
Roman Co., C.
Waterhouse & Price Co.
Western Bldrs. Supply Co.
Lathers, Wood & Metal.
Balzke, Robt.
Edwards, C. H.
Hayden, Fred
Kaiser, Jos.
McAbee, E. T.
Raymond, Wm. H.
Snell, Ralph L.
- Lighting Fixtures**
Day Co., Thomas
Mohilite Co.
- Lime & Plaster Dealers.**
Arden Plaster Co.
Cal. Lime & Hydrate Co.
Cowell Lime & Cement Co.
Guerin & Co., J. S.
Lennon Co., J. E.
Pacific Portland Cement Co.
Western Lime & Cement Co.
- Lumber Dealers.**
Acme Lumber Co.
Christensen Lumber Co.
Columbia Lumber Co.
Doe Co., Frank P.
Excelsior Redwood Co.
Hardy Lumber Co.
Hart-Wood Lumber Co.
Hauptman Lumber Co.
Kruse Co., J. H.
Hooper Lumber Co.
Higgins Lumber Co., J. E.
Loop Lumber Co.
MacDonald Lumber Co.
Moore Mill and Lumber Co.
Oakley, — Mahony Lumber Co.
Peterson, E. T.
Pope & Talbot
Reinhart Mill & Lumber Co.
Ryan, George
Santa Clara Valley Mill & Lumber Co.
Santa Fe Lumber Co.
S. F. Lumber Co.
Schouten & Co., J. W.
Sunset Lumber Co.
Tierman & Beronio
Van Arsdale-Harris Lumber Co.
Wilson Bros. & Co.
Wood Lumber Co., E. K.
Wright, Jr., Wm.
- Magnetic Flooring.**
Artolith Mfg. Co.
Bender R.&P. Co.
Dwan & Co., J. E.
Fibrestone & Roofing Co.
Flaherty R.&P. Co. R. H.
Goodmansan, A. K.
Malott & Peterson
Watsonite Co.
- Mantels, Tiles & Grates**
General Building Work Co.
Ginsberg Bros.
Mangrum & Otter
Peerless Agencies Co.
- Marble and Mosaic Work.**
General Building Work Co.
Gracco, M. H.
Grassi & Co., P.
Mission Concrete & Mosaic Wks.
Mission Marble Works.
Musto Sons-Kee-nan Co.
New Era Marble & Concrete Co.
Teltz, Francis E.
Tomagnini & Co., G.
Vermont Marble Co.
- Metal Lath.**
Atlantic Fireproofing Co.
Berger Mfg. Co.
Holloway Metal Lath Company.
- Waterhouse & Price**
Western Builders' Supply Co.
- Metal Stamping.**
S. F. Metal Stamping & Corr. Co.
U. S. Metal Products Co.
- Notary Public.**
Duncan, A. M.
- Oils and Greases.**
Standard Oil Co.
Union Oil Co.
- Ornamental Plastering.**
Benkman, Ed. G.
- Binners, Theodore**
Larson, O. F.
Lipp & Co., J. P.
- Painters and Decorators.**
Baker Co., W. T.
Bell, Wm. J.
Bernstein, Wm.
Blum, Louis
Brown, J. L.
Burns Bros.
Clark & Dickson
Cramer Bros.
Conlin, J. J.
Copnick, T. W.
Dahl, T. H.
Donovan, V. J.
Hansen, Elbing A.
Johnson, C.
Kissel, Isidor
Miller, L.
Miller, J. A.
McCubbin, James
Manning, John
Neal, L. J.
Progressive Painting Co.
Quandt & Son
Ruderman, I.
Simon Neilson Co.
Smith, J. S.
Sovig, C. B.
Trost, C. R.
Walk, Mayer
Wagner, Fred
Wagner Bros.
Zelineky, R.
- Paints, Oils Varnishes, Etc.**
Clark & Dickson
Cohn & Co., Marion D.
Fuller Co., W. P.
O'Brien, J. S.
Paint Products Corporation
Paraffine Paint Co.
Pratt & Lambert
Whittier - Coburn Co.
- Patent Chimneys.**
Clawson Co., L. E.
Dresser - McDon-Hughes, H. J.
- Pile Driving.**
Lamburth, C. E.
- Paving Brick.**
Cal Brick Co.
- Planing Mills.**
Acme Plgn. Mill
Anderson Bros.
Atlas Planing Mill Co.
Builders' Supply Depot
Cal. Door Co.
Cal. Planing Mill.
Emanuel, L. & E. (Inc.)
Empire Planing Mill
Hart & Burmeister
Herrmann, A.
Herring's Mill
Holden - Deuprey Co.
Lorden Mill Co., J. P.
Main St. Planing Premus Planing Mill
Reinhart Lumber & Planing Mill
Ryan, George
- San Mateo Planing Mill**
Santa Clara Valley Mill & Lumber Co.
Spencer St. Planing Mill
Taylor & Co.
Western Planing Mill
Veyhle & Collins
- Plasterers.**
Bosch, Herman
Bradley & O'Reilly
Brennan, James
Campbell, Chas.
Campbell & Williams
Connell Co., J. E.
Daly, J. H.
Duthie, Chas.
Gilmour, W. G.
Jones, Francis
Kaiser, Jos.
Leaf, Al.
MacGruer & Co.
Mellon, Thos.
Modica, S.
Mowat Donald
Philbin, J. J.
Sexton, T. D.
Terranova Bros.
Wagner, James A.
- Plumbing and Gas Fitting.**
Band, S. W.
Bernard, Geo. F.
Dunn, Neil H.
Goss, Wm. P.
Grundy, Ed.
Houston, J. J.
Kara, F. E.
Kiernan & O'Brien
Lacey, E. V.
Lauder, H. I.
Lawson, Herman
Lettich, Antone
Lettich, J. M.
Looney Co., J.
May, Gus
McLeod, J. J.
Penkerton, J. H.
Skelly, Thomas
Snook & Co., Fred W.
Turner Co., The
Wetzel, Theo.
Wilson & Co., W.
- Plumbers Supplies**
Kinney Co., R. W.
Mark-Lally Co.
Mueller Mfg. Co., H.
Nelson Mfg. Co.
Pac Sanitary Mfg. Co.
Paragon Brass Mfg. Co.
- Radiators.**
American Radiator Co.
- Railway Materials**
Orenstein - Arthur Koppel Co.
- Rigging.**
Lamburth, C. E.
- Roofing, Gravel & Composition.)**
Bender Roofing & Paving Co.
Cantley & Co., J.
Enterprise Roofing Co.
Flaherty, R. H.
Keene Co., R. E. G.
Lawson Roofing Co.
Lewis, W. S.
Malott & Peterson
Raphel Roofing Co.
Samuel Co., H. D.
Watsonite Co.
Western Asbestos
Magnesia Co.
Western Felt and Refining Co.
- Roofing (Slate & Tile.)**
Graham, R. G.
Kiatt, R. J.
White, Ed. A.
Fibrestone & Roofing Co.
- Roofing Materials.**
Johns - Manville Co., H. W.
Paraffine Paint Co.
Waterhouse & Price
Western Asbestos
Magnesia Co.
Western Builders' Supply Co.
Whittier - Coburn Co.
- Sand, Gravel, Etc.**
Bay Develop. Co.
Cal. Building Material Co.
McMullin Bros.
Stone Co., E. B. & A. L.
Western Development Syndicate.
- Sanitary Garbage Chutes.**
Bill & Jacobsen
Sand Blasting.
McDermott, W.
- Sheet Metal Wks.**
Amsler Sheet Metal Works
Appman Cornice Works
Atlas Heating & Ventilating Wks.
Capitol Sheet Metal Works
Comyns & Nygren
Cronan, Wm.
Crown Cornice Works
Elite Sheet Metal Works
Forderer Cornice Works
G. & M. Sheet Metal Works
Guilfooy Cornice Works
Hibernia Sheet Metal Works
Hughes, H. J.
Ideal Cornice Wks.
Korall & Co., J. A.
Modern Sheet Metal Works.
Morrison & Co.
S. F. Metal Stamping & Corr. Co.
U. S. Metal Products Co.
Western Furnace & Cornice Co.
- Sidewalk Lights.**
Jackson Co., P. H.
Dwan & Co., J. E.
Phoenix Sidewalk Light Co.
- Stair Builders.**
Bishop & Peralno
Bolter, John
Jacobsen, J.
Porter, W. F.
Stewart, J. K.
- Stationery.**
Foster & Short
Wright, J. H.
- Steel Bars.**
Baker & Hamilton
Dawson & Noyes
Woods & Huddart.
- Pacific Coast Steel Co.**
Soule Co.
- Steel Erector.**
Schauer, Fred C.
Pioneer Con. Co.
Williams Construction Co.
- Store Fronts**
Kawneer Mfg. Co.
U. S. Metal Products Co.
- Structural Steel Contractors.**
Central Iron Wks.
Dyer Bros.
Judson Mfg. Co.
Pacific Structural Iron Works
Pac. Rolling Mills
Schraeder's Iron Works.
S. F. Iron Works
Western Iron Supply Co.
- Stoves.**
Mangrum & Otter
Steiger & Kerr

- Structural Steel Contractors.**
 Brode Iron Wks.
 Dyer Bros.
 Golden Gate Iron Works
 San Francisco Iron Works
 Ralston Iron Wks.
 Vulcan Iron Wks.
- Surveyors.**
 Morser, E. J.
 Quimby, L. S.
 Wetherell, Chas. E.
- Teaming & Grading.**
 Branick, J. P.
 Bianchini, G.
- Federal Transfer & Draying Co.**
 Carlin Bros.
 Devencenzi & Co., L.
 Dillon Teaming Co.
 Federal Transfer & Draying Co.
 Harbor View Contract Co.
 Huie Co., E. M.
 Lennon Co., J. E.
 Leffler, Fred
 McGlinchey & Monohan
 Montague Co., P.
 O'Day Co., D.
 Powers, Chas. J.
- Sibley Teaming & Grading Co.**
 Star Contracting Co.
 Wright Co., J. H.
- Tiling.**
 Cal. Tile Contr. Co.
 Ginsberg & Co., S.
 Mangrum & Otter
 Peerless Agency Co.
- Vacuum Co.**
 Bill & Jacobson
 Hughson & Mer-ton Co.
 Schaer Bros.
 Stevens Co., Frank A.
- Hyde Henry C. United Elec. Co. Wall Beds.**
 Marshall - Stearns Co.
 Water Company. Spring Valley Water Works.
- Whitewashing.**
 Brickley, P. J.
 Reigle & Jamelson
 Taylor, L. A.
- Window Cleaning.**
 American Window Cleaning Co.
- Windows, Patent.**
 Simplex Window Co.
- Central Electric Co.**
 City Electric Co.
 De Lew, M. A.
 Decker Electric Co.
 Globe Elec. Co.
 Levy Elec. Co.
- Elevators.**
 Otis Elevator Co.
 Van Emon Elevator Co.
- Fibre.**
 S. F. Fibre & Cord-age Co.
Fireproof Doors.
 Norris, L. A.
 U. S. Metal Products Co.
- Floor Sanding.**
 Inland Floor Co.
 Pacific Floor Sanding Co.
- Grill Work.**
 Cal. Art Metal & Wire Works.
 Merle Co., A.
 Sartorius Co.
 Withington, C. W.
- Gen. Contractors.**
 Andrus, R. C.
 Brigham, H. B.
 Brockhage, Foley & Green
 Caldwell & Co.
 Cereghino & Son, Louis
 Currie & Currie
 Dempniak Bros.
 Farquharson, D. B.
 Fluth, J.
 Frasier & Frasier
 Graham, D. E.
 Griffith, Wm.
 Hannah, J. D.
 Hannah & Co. J.S.
 Hayes, W. W.
 Jackson, A.
 Kuykendall, J. O.
 Malley, Edward
 Matthies, Henry
 Peacock, John
 Schnebly, Host-trawser & Ped-griff
- Glass and Glazing.**
 Cal. Plate & Wind-ow Gass Co.
 Cohen, I.
 Cobbledick-Kibby
 Glass Co.
 Friedman Bros.
 Fuller, W. P. & Co.
 Habenicht & Howlett
 Holland, J. P.
 Schwarz & Gott-lieb (Inc.)
- Grading & Team-ing.**
 Dillon, D.
 Eureka Teaming Co.
 Fay, S. J.
 Greenwalt, C. J.
 McClure, H. N.
 Wilhelm, A. H.
 Wilkie Co., A.
 Williams, F. A.
 Wright, Chas.
 Monarch Teaming Co.
 Sibley, L. B.
 McLenehan, S. B.
- Granite.**
 Bradbury, Thos.
 Cal. Granite Co.
 De Lano & Sons, I. L.
 Hunt, A. T.
 Raymond Granite Co.
- Hardware.**
 Joost Bros.
 Kruse, J. H.
 Lorenz, Schffaeer & Co.
 Meyer, A.
 Palace Hdw Co.
Heat and Light.
 Pacific Gas and Electric Co.
- Heating & Vent-lating.**
 Burnham Plumb-ing & Heating, Inc.
 Cronan, Wm.
 Mangrum & Otter
 Montague, W. W. & Co.
- House Moving & Raising.**
 Blume Cont'g Co.
 Pearson, E. K.
 Sullivan, D. J. & T.
- Inland Floors.**
 Hardwood Inter-ior Co.
 Inland Floor Co.
 Pacific Floor Sanding Co.
- Iron Works.**
 Lorenz, Schffaeer & Co.
 Michaels & Pfeif-fer
 Monarch Iron Works.
 Pacific Rolling Mill Co.
 Pacific Struc. Iron Works.
 Jolst Hangers & Post Caps.
 Kortick - Falls Mfg Co.
 Lilley & Thurston Co.
 Lorenz Schaffer & Co.
 Western Builders' Supply Co.
- Kawneer System Store Fronts.**
 Falls Mfg. Co.
 Lilley & Thurston Co.
- Light and Power.**
 City Electric Co.
 Pac. Gas & Elec-tric Co.
- Lime, Cement, Etc.**
 Acme Cement Plaster Co.
 Arden Plaster Co.
 Cowell Lime & Cement Co.
 Holland, J. P.
 Holmes Lime & Cement Co.
 Lennon, Jas. E.
 Lucas, W. E.
 Pacific Bldg. Ma-terial Co.
 Pac Lime & Plas-ter Co.
 S. F. Lime Co.
 Shasta Lime Pro-ducts Co.
 Western Building Material Co.
 Western Lime & Cement Co.
- Lumber.**
 Acme Lumber Co.
 Christenson Lum-ber Co.
 Hardy, Jas. H., Inc.
 Hart-Wood Lum-ber Co.
 Humboldt Lumber Co.
 Hauptman Lum-ber Co.
 Hooper Lumber Co.
 Kruse, J. H.
 Loop Lumber Co.
 Macdonald Lum-ber Co.
 Moore, R. B. Mill & Lumber Co.
 National Mill & Lumber Co.
 Olsen Mahoney Lumber Co.
 Pope & Talbot.
 Santa Fe Lumber Co.
 Schouten Lumber Co.
 Tiernan & Bero-nio
 Van Arsdale-Har-ris Lumber Co.
 Wilson Bros. & Co.
 Doe Co., F. P.
Lumber (Hard-wood.)
 Dieckmann & Co.
 Howard, E. A. & Co.
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 White Bros.
 S. F. Lumber Co.
Machinery.
 Harron, Rickard & McCone.

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BUILDERS' EXCHANGE

OF SAN FRANCISCO

180-188 JESSIE STREET

PHONE KEARNY 4700

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 Vice-President, E. J. Brandon.
 Treasurer, C. W. Withington.
 Secretary, R. J. H. Forbes.

Financial Secretary, S. A. D. Schenck.
 Asst Secretary, W. J. Carberry.
 Doorkeeper, B. R. Wolcott.

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MEMBERS.

- Architectural Iron Works**
 Acme Iron Works.
 Bay City Iron Works.
 Brode Iron Works.
 Central Iron Wks.
 Dyer Bros.
 Eureka Iron Wks.
 Kell Iron Works
 Kortick - Falls Mfg Co.
 G. G. Structural Iron Works.
 Hillard, C. J. Co.
 Judson Mfg. Co.
 Mortenson Cons. Co.
 Michaels & Pfeiffer
 Phoenix Iron Wks
 Ralston Iron Wks
 Lorenz Schaffer & Co.
 Schneider Iron Works.
 St. Francis Orn. Iron Works
 Steiger & Kerr Stove & Foundry Co.
 Vulcan Iron Wks.
 Western Iron Wks
 Withington, C. W.
- Art Glass.**
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- Blacksmith.**
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 Boole, F. W.
 Empire State Surety Co.
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 Gaie, M. A.
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 Hillman & Son, J. R.
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 Pacific Coast Sash-ualty Co.
 Perley, A. E.
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 United States Metal Products Co.
 United States Fidelity and Guaranty Co.
- Brick and Pottery.**
 Bay Development Co.
 Cal. Brick Co.
 Carey, J. E.
 Carnegie Brick & Pottery Co.
 Carquinez Brick & Pottery Co.
 McNear Brick Co., E. B.
 Peterson - Karts-choke Brick Co.
 Remillard Bk. Co.
 Sacramento Trans. Co.
 Steiger T. C. and Pottery Wks.
 Thermos Brick Co
- Building Material.**
 California Build-ing Material City Supply Co.
 Fernald Co., The
 Kortick - Falls Mfg Co.
 Holland, J. P.
 Howard Co.
 J. E. Lennon.
 Johns-Manville Co.
 Pacific Bldg. Ma-terial Co.
 Pacific Refining & Roofing Co.
 Parrott & Co.
 Paraffine Paint Co
 Pratt Building & Material Co.
 United Material Co
 Waterhouse & Price Co.
 Western Bldrs' Supply Co.
- Cement Dealers**
 Balfour, Guthrie Co.
 Cowell Lime & Cement Co.
 Holmes Lime & Cement Co.
 Holland, J. P.
 Maynard, Jr., J. L.
 Meyer, A.
 Pacific Portland Cement Co.
 Western Building Materials Co.
 Standard Portland Cement Co.
- Clay Products.**
 Cal Brick Co.
 Stanquist, Edward
- Concrete.**
 Chase, Silas A.
 Camp & Carillon.
 Duncanson, Har-relson Co.
 Foster & Vogt.
 Goodman Artifi-cial Stone Co.
 Haun, C. C. W.
 Leonard, J. J.
 Lynch, A.
 Pasqualetti, J.
 Petersen, H. L.
 Sartorio, Charles
 Stanquist & Forbes
 Zimmerman, L. M.
- Concrete Rein-forcement.**
 Pacific Building Material Co.
- Contractors & Builders.**
 Allen, Alex. M.
 Anderson, W. W.
 Arthur, L.
 Boring, F. H.
 Born & Son, S. A.
 Brady, C. A.
 Braunton Bros.
 Burdick, Wm. A.
 Caldwell & Co.
 Cameron & Dis-son.
 Cavanaugh, Thos. A.
 Chisholm, R. A.
 Cobby, J. W.
 Coburn, I. W., Inc.
 Concannon, W. N.
 Conrad, H.
 Cregghino & Son, Lewis
 Davis & Son, T. E.
 Dewar, R. & Son.
 Elam, Thos. & Son
 Elliott, E. W.
 Fahy, R.
 Flischer, Fred.
 Franz, Val.
 Gillespie, G. G.
 Gallagher, Frank.
 Gardiser, Florent.
 Greig, Robt.
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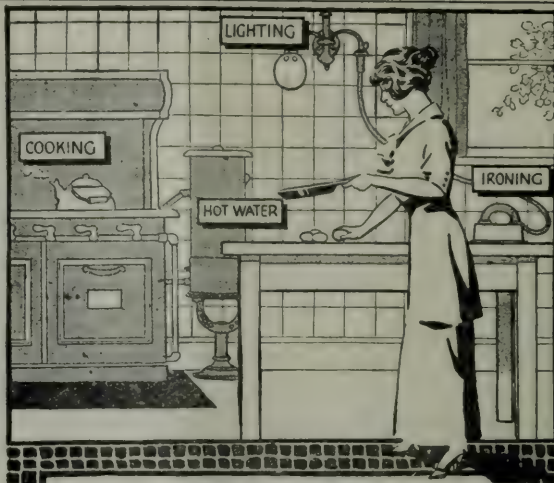
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Editorial Comment.

There is one thing that the war in Europe will do and that is to emphasize the value of Industrial research to this country, both to the government and its industrial corporations. Heretofore we have been dependent upon Europe and especially upon Germany for much of the material used in our industries and manufactories. Germany has been able to supply them because the German government has at all times given intelligent aid and fostered industrial research. Not only have her schools turned out great technologists but they have been given support in their work and their employment directed to some definite end. This war has made it incumbent upon manufacturers to look to this country for many supplies that were formerly imported. As a result there has been shown that there are many of our by-products that can be used to manufacture the very thing that we need.

There is no reason why we should not become independent of Europe not only during the war but for all time.

The American mechanic, engineer, and scientist is just as efficient as his European brother. In fact the same man transplanted from the European country to American soil has been proven to be much more efficient under the wider opportunities offered by our country.

So far our energies have ordinarily been spent in other channels than in that of industrial research. The scientist has not been employed by our industries to seek out new economics and new products to be made. But the time is now ripe for these things to be given attention to the end that this country will be independent of European wars and the results of armed conflicts.

Sometime during the year 1915, the railway line connecting Capetown, South Africa, with the southern end of Lake Tanganyika will be completed, thus making a continuous line of 2600 miles from the Cape to the equator. This will connect Cairo with Capetown by a continuous line of railroad and steamboat, traversing the great continent of Africa from north to south in practically a direct line. Thus is another great engineering feat accomplished and the dream of Cecil Rhodes realized, a dream thought to be as unreal and utopian as that of Prospero in Midsummer Night's Dream.

No railway line ever built is comparable with this line in the varied interest of the region which it crosses. Traversing the narrow coasted plain from Capetown it ascends the terraces of the table land to the semiarid interior, past the Kimberly diamond

mines over the divide and up the Zambezi river. This is the wild country of Africa, and as it ascends to the headwaters of the Zambezi and Lake Tanganyika, it nears the equator and passes through the wild regions of the interior.

Lake Tanganyika is 2600 feet above the sea level and is the longest fresh water lake in the world. This link in the chain is by water, a steamboat passage of 400 miles to the northern end lake. From this point to Refaj, a town on the White Nile, a distance of 670 miles, will be traveled partly by boat and partly by railroad and is the only undeveloped part of the route reaching from Cairo to the Cape, a distance of 6000 miles.

Here indeed is a triumph of engineering methods in transportation. The oldest civilization which history records is united with the wildest country and the most primitive tribes of men. The extremes of heat and cold, of aridity and rain, of latitude and altitude are all traversed in continuous succession. And the moving panorama will pass the person traveling in comparative comfort hauled by the harnessed forces of nature, while he witnesses the primitive methods of transportation, manufacture and agriculture that have been used since the world began.

A French engineer had a plan to cut a tunnel and canal from the Mediterranean sea into the Sahara desert and flood a great portion of that arid land which is below the level of the ocean. The project seemed entirely possible as there would be only about 50 miles of excavation, a short distance of that requiring tunnel construction. If the expenses of a few days of the great war now going on to destroy the best life and property of Europe could be utilized for such a purpose there might be a country reclaimed large enough to support a population equal to the half of Europe.

CIVILIZATION.

The present war is regarded on all hands as a triumph of science. Huge guns are fired by engineers. The resources of modern physics and chemistry are at the service of killing men. The submarine, the aeroplane, the dirigible, wireless telegraphy, all are devoted to the destruction of human life.

The nightmare of Europe recalls Voltaire's story of the shipwrecked refugees, who toiled across the barren plains not knowing whether they were on a desert island. Then on a bleak moor in the twilight they saw a human skeleton dangling from a gallows. "Thank God," they exclaimed, falling on their knees, "we have got back to civilization!"

Raising the Standard of Municipal Architecture.

By Louis Christian Mullgardt, President of the San Francisco Chapter of Architects.

Mr. Chairman and Gentlemen: I did not come prepared with a paper. In fact, I did not know until this morning upon what subject I was to address you. The subject which has been assigned to me, namely, "Raising the Standard of Municipal Architecture," is a very broad subject, one that is very interesting to the profession, and one that is of vital interest to every community. It is, of course, most intimately allied with the formal subject introduced by Mr. Dillman on the subject of city planning, and inseparably so.

I am not going to take up much of your time on this subject, because I don't think it necessary, and I am sure that the few remarks that I shall have to make will suffice, and very likely they may be a reiteration of your own ideas.

As is frequently expressed, the only logical way to get good results is by starting off right, before any actual work is done. I think it is just in that particular direction that we have too frequently erred. I say this with absolute confidence, because we have about us work which has been done and which still lives in the way of municipal architecture. Incidentally, municipal architecture does not consist merely of the construction of municipal buildings, in my estimation, buildings built by the city for city purposes, but it consists of all architecture. Our interest in architecture is equal, relative to all sorts of structures, which, insofar as that architecture is not like the watch that I carry in my pocket, for me to look at alone. All architecture is exposed to the view of all of us. And if all architecture is not acceptable to the sight, then we have erred to that extent. Of course, the same thing is applicable to the plan, the invisible lines—that is, the one that is not observed on the outer surface. It is not alone seeing that the exterior of our architecture should be acceptable, but that the plan should be equally so and fundamentally so—the plan governing the exterior. Without a good plan, there cannot be a good exterior. To obtain the best results, it would seem essential (I do not undertake to prescribe just how to go about this thing), that that is something for a larger body, a council to decide upon. But it is essential that a council for this purpose be delegated, be appointed. And it would seem essential, first of all, to have a selection of qualified men appointed by men who are qualified to appoint such a council.

I do not consider that it is wise or fair, fair to the public, fair to ourselves, that we should undertake to appoint men to the position of designing unless we are ourselves qualified to appoint those who are to design. That is really the most difficult point right there—the beginning—to know how to go about selecting or finding those who are really best qualified to give us the best results. With-

out obtaining the best results that can be had in every instance, we have failed of our purpose, we are wasting, in the event of our doing public work, public funds, just to the extent that the work is not of the best. And it would be fair to assume that in architecture, as in all other professions, whether medicine, engineering, or what not, there are many who are qualified. There are some few who are exceedingly well qualified, but the majority are not qualified. It comes back to the self-same subject that I touched upon a moment ago, the proof lies in the fact that the majority of our architecture, municipal and private architecture, is inferior architecture.

It is difficult to prove to the lay mind that such is the case. Every man who is not an architect devotes the majority of his time, or all his time, to some other study. But his interest in architecture is, nevertheless, a keen one. And he derives his knowledge and impression of good architecture in a superficial way by observing the things with which he is surrounded.

Now, unfortunately, that particular school which you may term a public or general observation school, is not one of good influence. Because the majority of our architecture is not done by men who are best qualified to spend our money in that way. We have, within this building, an exhibit of architectural subjects, a comparatively small collection, some of which are very creditable, some not so much so. But that which is here has been culled out of a great many pictures, photographs, of buildings which have been erected in various parts of the State, and the committee, in making the selection, found it absolutely necessary to, roughly speaking, throw out about three-quarters of all the things that were submitted, and even at that the committee considered that it was generous in the selections which were made in some instances. But that in itself is also proof, indicating that the people who have control of those things, who are in direct touch with them, and who are vitally interested in this question of building up our cities properly, believe that the things which they submit and of which they are proud, are not things always to be proud of, and most frequently not; and it indicates, as I am going to point out, the fact that it is a delusion under which they labor.

You pick up our daily papers, and towards the week end, Saturdays and Sundays, you will usually find them filled with illustrations of proposed new structures. And if you will be so good as to accept my word for it, the majority of those things which are published are pitifully bad. And it is just that influence that we labor under again. There is no law at all which governs that part of it. Anything can find its way into the newspapers, and it is fair to assume that that influence, influence derived from things pub-

lished in that way, is very detrimental in an educational way, upon the minds of the public at large.

I consider that this conference could scarcely do better than arrange for a special committee, which might have in charge the selection of the best work, the creditable work which is being done, at least, in the State of California. It might be wise to go out beyond our State to find good things and to present them or the observation of the public at these conferences, and possibly at other times during the year; possibly it might be advantageous that such work should be duplicated, manifolded, and that permanent exhibits should be established in as many points around the State as is possible, of the things that have been passed upon by qualified men as being above par, being creditable, and indicating the style of architecture that we should aim to aspire to have in our city.

We have a common method of establishing competition for public work, sometimes private work, but invariably, practically, you might say, for public work. But those competitions are not always destined to meet with good results, by virtue of the fact that they are not sufficiently enticing to the better men in the profession to go to settling the problem and presenting the design. Such designs usually cost anywhere, you might say from \$500 up to several thousands, to the architect to present, to say nothing about incidental expenses, and it is in the nature of a gamble, usually, because the profession does not know how the matter and the proposition will be judged. And it is partially on that account that we so frequently get inferior service and inferior buildings. The cost of professional service is practically uniform. If you do not pay the price for the service in the beginning, you are very liable to be charged up with this later on, and perhaps in a way that you may not always see the charge presented in the account, but it is there, just the same. And worst of all is that the result is inferior. And that means, of course, an infliction of poor work, poor results on the unsuspecting public, for which they have been taxed, and which they must bear with thereafter.

The importance of constructing cities well and making all parts of the city equally as nearly attractive as possible, must be apparent to you all, particularly after last night's lecture or discourse by Mr. Cheney, and also relative to the engineering problems, showing how capably the work in San Francisco has been done since the new-born city came into existence.

My entire discourse really sums itself up in this one point, that it is essential that we pursue such method or advocate such method that a qualified body of men are given the task in every instance, to make our selection for us of designs, leaving out of question the location—it makes no differ-

ence where the man may come from, or who he may be, so long as he may give us the very best solution of a problem.

I thank you very much. (Applause.)

Mr. Long: Mr. Chairman, I want to supplement Mr. Mullgardt's remarks from a practical point of view. Mr. Mullgardt is a gentleman of very high standing in his profession, and naturally, I take it, feels that he is in rather a delicate position in attempting to point out the way these evils can be corrected. As a matter of fact, it all sums itself up in the proposition of getting expert advice. Those of us, and we all of us here who have had political experience know that in municipalities and in towns, when it is proposed to erect public buildings, there is an immediate attempt on the part of many of those in the architectural profession to bring pressure to bear in order to secure the selection of themselves or their friends as architects. We know that too frequently throughout this State, in fact, in a majority of instances, architects have been selected not on account of their standing in the architectural profession, but on account of their political influence, their ability to bring political influence to bear, and in some instances their willingness to divide their commissions. That has resulted in a very bad type of municipal architecture in this State. It has been improving in these last few years, and a better type of architecture has been seen. In San Francisco, we have secured some very splendid results, by the selection of three very high-minded men in the architectural profession, who have considered the problem to be treated, taken the area to be built upon, and its relation to the streets, and then worked out, in a general way, the treatment of their particular problem. Then a scheme of competition has been put forth, architects invited to compete—take, for instance, in connection with the City Hall, I think there were some sixty plans presented and prizes were awarded. As Mr. Mullgardt pointed out, it means a great deal of expense for an architect to enter into a competition. Rarely do they get any return for their services, and in addition to that, there is a big expense in the employment of draughtsmen, and the employment of materials in order to simply present material to be passed upon. And it is not fair to ask architects to go to that expense and not compensate them for their outlay, and I think we had twenty first prizes there of either \$1,000 or \$1,500, which would pay the architects competing for the actual outlay on their part. When it came to passing upon the plans, leaders in architecture from all over the United States were invited to come to San Francisco, and we paid for their services. So that the plans, before they are accepted, receive the best expert judgment. That is what we want to derive from this conference, either this or subsequent conferences, a plan by which the State and the University could aid in this character of work, so that municipalities could get the benefit of the best expert advice in the selection of plans for municipal buildings.

In San Francisco, the engineers have worked with the architects, and the results show how buildings, de-

signed for purely engineering purposes, could be made very attractive, and at no increased cost. That has been our experience. We are putting in today a fire alarm station for San Francisco in Jefferson Square, at a cost of only \$36,000, a concrete building, and to my mind it is going to be one of the finest buildings in the United States. It is simply treated, but treated by men who know their business and men who take a genuine pride in their profession and a genuine pride in educating the public. And it is big work, fully as big work as the municipalities are doing themselves. And they must be treated by experts. The engineer probably comes in closer touch, because his work is planning, planning for the future, and the engineer of today, when he plans a bridge, works for the architect. And it is one of San Francisco's plans to develop the Hetchy Valley so that, when that 300-foot dam is to be started, that we are to work with the landscape architect, so as to place the dam, in relation to its surroundings, in the most attractive manner, without disturbing the natural scenery, not having simply a plain, concrete structure, but having it so arranged as I have seen pictures and photographs of dams in foreign countries, with boulders jutting out from the base of the dam, so it will be a very beautiful cascade, and so arranged that vines can be planted and the plainness of the concrete work can be concealed. But it takes experts, it takes the men who have studied in their professions, and studied from very high motives, to do that sort of work. That is one of the things we want to do here in California, and one of the things we want to educate the public to the value of—that we do not simply want to put up a building with four walls which will be subdivided into a series of rooms for actual public purposes, but to make it pleasing to the eye, and not cause the property owners in any section of the city near a city hall or police station or fire house to feel it an eyesore, but to place it where it can render most efficient service and at the same time make it most pleasing to the eye. That is what Mr. Mullgardt has been telling you in a most guarded way, because he appreciates the fact, as we do, that there is jealousy and bickering among architects, as there is among the members of other professions—almost as much as there is among the doctors, and that is saying a great deal. (Applause.)

Mr. James E. Sutton: Mr. Chairman, prior to the conception in Oakland of City Planning, I was called into conference with the Mayor of Alameda. He said, "Mr. Sutton, we have got to prepare something to show Alameda's future development in that exhibition." I asked him how long I had to do so, and he said, "One week." I said, "Mr. Mayor, I can dream a dream, and I see in the distant horizon, Alameda's development over here, and Alameda's development over there." He said, "Go ahead and dream, but don't have a nightmare." I did so, and it crystallized in black and white and color. And, giving it after thoughts, some of the things that impressed themselves upon my mind were in the line of which I wish to report to you.

Is the financial end of it justifiable?

Is the social outcome along the proper lines? Is it feasible from an engineering point of view? And so on. The result was that, after a consideration of an arrangement for the City Planning Commission of Alameda, we have four men on that commission, and this is the point I wish to have represented to the legislative department. We have an engineer, we have an architect, we have a minister, and we have a financier. The engineer designs on possible lines; the architect looks at it with his critical eye and he says, "I think we should put a street across this way," and he beautifies the whole; the minister looks at it from the social lines and says, "What effect is it going to have on the social life of the community?" and the financier puts his hands down in his pockets and he jingles his money, and he says, "Will it pay, and can we afford it?" I wish to cast those facts before the legislative body. Can we embody them in asking the legislative body to have commissions appointed and specify how they shall be appointed. Experienced men, practical men in their different lines of experience should be appointed. But as to what these lines should be, I think it is worth speaking about. (Applause.)

PLATING IRON WITH IRON.

Plating iron with iron or steel with iron is a queer new scheme for delaying rusting. Chemically pure iron is nearly rustproof; so the plating idea is to cover iron or steel with iron that is as chemically pure as possible. Plating in much the same way that brass is plated with gold or nickel gives a coat that is very close to pure iron. A coat of zinc over the coat of iron also helps.

Rust is the bitterest and most persistent enemy of this age of steel, with its bridges and wires and skyscrapers and machines. The ancient Hindus had a secret method of making rustproof iron, and much iron is now manufactured for special uses at comparatively high cost which is reasonably free from impurities and so less likely to give way to rust, but the inventor of completely rustproof, cheap iron has a vast fortune awaiting him.—Los Angeles Southwest Contractor.

A SEWER FLUSHER.

Capt. E. R. King, superintendent of the Fort Meade water works, was in town recently and presented the editor with a picture of the only working alligator in Florida. Some time ago one of the sewers of Fort Meade became clogged up. It was 400 feet from manhole to manhole and the sewer was twenty feet below the surface and in quicksand. It looked as though the city was in for an expensive job. The captain conceived the idea of getting an alligator, tying a line to him and let him work his way through the sewer. At first an eighteen-inch 'gator was tried; he went about two hundred feet and turned back. Then a four-foot 'gator was obtained and he worked his way from manhole to manhole, carrying the line with him, after which the cleaning of the sewer was a simple matter. — Wauchula (Fla.) Advocate.

ADVANCE NEWS

Classified according to Character of Work

APARTMENT HOUSES

SAN FRANCISCO—Apartment house, 4 story and base, brick and steel, \$25,000. Architects, Rousseau & Rousseau, French Bank Bldg., S. F. Owner, Walker W. Props. The building will be erected on the south side of Post street west of Larkin, and has been designed to contain a total of twelve suites of two, three and four rooms. Interior will be finished in pine and elm panels with hardwood floors in the living and dining rooms. There will be wall beds and private bath rooms. Plans provide for steam heat, an automatic elevator, hot water system and vacuum cleaning. All bath rooms will be finished in tile with composition floors. Marble and tile wainscot will be used in the entrance. Exterior of the building will be faced with pressed brick trimmed with terra cotta. Plans are complete and figures are being taken on a general contract.

SAN FRANCISCO—Apartment house, 2 story and base, frame, \$7,000. Architect, none. Owner, Paul Schainman, 2765 Lombard street, S. F. The building has been designed to contain six suites of two and three rooms with bath and wall beds. Interior finish will be of pine and redwood throughout. The building will cover an area of 25 by 85 feet. There will be a hot water supply. Bath rooms will have tile wainscot and composition floors. Exterior of the building will be covered with rustic and shiplap. Plans are complete and in the hands of the owner who will do the work by Day Labor. Materials are now being purchased.

SAN FRANCISCO—Apartment house, 3 story and base, frame, \$8,000. Architect, none. Owner, G. B. Pasqualetti, 748 Union street, S. F. The building will be erected at the southeast corner of Filbert and Sherwood Place, covering an area of 54 by 35 feet. The basement will be occupied by a garage. Upper floors will contain a total of six apartments of three rooms each. There will be private bath rooms. Interior finish will be of pine and redwood. Plans provide for a hot water system. Bath rooms will have tile wainscot and composition floors. Exterior of the building will be covered with rustic and shiplap. Plans are complete and in the hands of the owner who will do the work by Day Labor.

SAN FRANCISCO—Apartment house, 3 story and base. Class C construction, \$25,000. Architects, O'Brien Bros., Clunie Bldg., S. F. Owners, Goewey Estate. The building will be erected on the south side of Turk street east of Hyde, and has been designed to contain a total of seventeen suites of two rooms and bath each. Interior finish will be of pine, redwood and elm. Some hardwood floors will be used. Plans provide for steam heat, a hot water system and vacuum cleaning. All suites will have wall beds.

Bath rooms will have tile wainscot and composition floors. Entrance will have marble wainscot. Exterior of the building will be faced with pressed brick. Plans are complete and figures are now being taken.

SAN FRANCISCO—Apartment house, 5 story and base. Class C construction, \$60,000. Architects, O'Brien Bros., Clunie Bldg., S. F. Owner's name withheld. The building will be erected in the Fifty Vara District and has been designed to contain forty suites of two, three and four rooms. All apartments will have wall beds and private bath rooms. Besides the office and lobby the main floor will contain a large social room. Interior will be finished in pine, redwood and hardwood veneer. Hardwood floors and ornamental plaster will be used in the lobby and office. Plans provide for steam heat, an automatic elevator, hot water system and vacuum cleaning. Entrance will have tile and marble wainscot. Bath rooms will be finished in tile. Exterior of the building will be faced with pressed brick trimmed with terra cotta. Plans are now being prepared.

BERKELEY, ALAMEDA CO., CAL.—Apartment house, 3 story and base, frame, \$18,000. Architect, G. B. Hollenbeck, Thomson Bldg., Oakland. Owner, Mr. Clayton. The building will be erected on Claremont avenue near Russell, and has been designed to contain a number of three and four room suites with wall beds and private bath rooms. Interiors will be finished in pine and redwood with some hardwood veneer and hardwood floors. There will be steam heat, a hot water system and vacuum cleaning. Bath rooms will be finished in tile. Exterior of the building will be covered with cement plaster on metal lath. Plans are complete and figures are now being taken.

OAKLAND, CAL.—Apartment house, 3 story and base, brick and frame, \$36,000. Architect, Charles W. McCall, Central Bank Bldg., Oakland. Owner's name withheld. The building will be erected on Alice street and has been designed in the Spanish style with a large patio court. There will be a large number of two, three and four room suites, all of which will have private bath and will be equipped with wall beds. Interiors will be finished in pine and hardwood. Hardwood floors will be used in the living and dining rooms. Plans provide for steam heat, a hot water system and vacuum cleaning. Bath rooms will be finished in tile. Besides the suites plans provide for a large amusement room. Exterior of the building will be faced with pressed brick and cement plaster on metal lath. Plans are being prepared.

MODESTO, STANISLAUS CO., CAL.—Apartment house, 2 story and base, frame, \$20,000. Architect, Charles C. Frye, 20 Montgomery street, S. F. Owner's name not given. The building will cover an area of 100 by 100 feet

and has been designed to contain 44 rooms arranged in suites of two, three and four rooms. All apartments will have wall beds and private baths. Interiors will be finished in pine, redwood and elm. There will be steam heat, an oil burning system and hot water system. Bath rooms will have tile floors and wainscot. Exterior of the building will be covered with cement plaster on metal lath. Plans are complete and figures are being taken.

LOS ANGELES, CAL.—Apartment house, 3 story and base, brick, \$30,000. Architect, none. Owner, C. S. Anderson, 711 Washington Bldg., L. A. The building will be erected on Ingraham street between Witmer and Valencia, covering an area of 40 by 113 feet. There will be a total of sixty rooms arranged in suites of two and three rooms. All apartments will have wall beds and private bath rooms. Interior finish will be of pine, redwood and elm panels. Some hardwood floors will be used. There will be steam heat, a hot water system and vacuum cleaning. Bath rooms will be finished in tile. Entrance will have marble wainscot. Exterior of the building will be faced with pressed brick. Plans are complete and in the hands of the owner who will do the work by Day Labor. Materials are now being purchased.

Contracts Awarded.

REDONDO BEACH, LOS ANGELES CO., CAL.—Apartment house, stores and theatre, 3 story and base, brick, \$31,000. Architect, L. B. Pemberton, Auditorium Bldg., L. A. Owner, L. J. Baumbach. Contractor, H. F. Lloyd, Builders' Exchange, L. A. Contract price, \$31,000.

BONDS

SAN FRANCISCO, CAL.—Final action, setting April 20th as the date for the Spring Valley Water Company purchase election, has been taken by the Board of Supervisors, by a vote of 11 to 6.

The citizens of this city will be asked to authorize the issuance of \$34,500,000 bonds at this election for the purchase of the company's plant and property.

A two-thirds vote will be necessary to carry the bond authorization and subsequent purchase.

REDONDO BEACH, LOS ANGELES CO., CAL.—The bond issue for \$85,000 held in this city recently failed to carry. The issue was to provide funds to acquire certain properties for public parks.

OLYMPIA, WASH.—The State Senate has passed a bill authorizing a bond issue of \$4,000,000 with which to complete the State Capitol buildings at Olympia.

Wilder and White, architects of New York City, are handling the plans. The architects also have an office in the Temple of Justice at Olympia.

SANTA BARBARA, SANTA BARBARA CO., CAL.—The Knights of Pythias at their last regular meeting discussed plans for the erection of a new lodge building. Several sites for the proposed building are now being considered, and it is thought that final action in the selection of a site will be taken immediately.

The proposed structure will be of reinforced concrete construction and will contain club rooms, a large auditorium, locker rooms, meeting rooms, dance hall, which will have a maple floor, and stores on the ground floor. As far as can be learned no architect has been selected.

TUCSON, PIMA CO., ARIZ.—The Mayor and Common Council will receive bids up to March 22nd up to 5 p. m. for the purchase of numerous improvement bonds.

Further information regarding the sale and requirements relative to the purchase of the bonds may be had from L. O. Cowan, the City Clerk at Tucson.

SAN BERNARDINO, SAN BERNARDINO CO., CAL.—Petitions are now being circulated by students of the high school, asking that a \$25,000 bond issue be voted with which to build a gymnasium, cafeteria and cloisters joining various buildings of the new polytechnic group on E street in this city.

LODI, SAN JOAQUIN CO., CAL.—The Woman's Club of Lodi has taken an option on the lot at the corner of Pine street and Lee avenue and will erect a new club house on the site.

A building committee has been appointed and it is expected that a new building will go under way immediately. The proposed building will be of frame construction and will contain a large assembly hall, several locker rooms and a large stage. No architect has been mentioned to design the new building.

LOS ANGELES, CAL.—The Board of Supervisors have accepted the proposal of James W. Dolan for the purchase of bonds of the Los Angeles City School District.

WOODLAND, YOLO CO., CAL.—In a report rendered by the Yolo County Grand Jury recently, the following recommendation was made: "We recommend that the Supervisors immediately take action looking to the construction of a new court house building by direct tax, expending therefor a sum not to exceed \$250,000.

MODESTO, STANISLAUS CO., CAL.—An ordinance calling a special election to be held March 24th for the purpose of submitting to the qualified electors the proposition of vacating and abandoning a portion of J street, and also the proposition of permitting the erection of a new depot building thereon. Further information in regard to the ordinance may be had from W. O. Thompson, who is the City Clerk at Modesto.

TACOMA, WASH.—The State bid in the \$45,000 worth of school bonds of the Eatonville School District, No. 73, bids for which were opened by County Treasurer Carr, has been accepted. The bonds are payable after one year.

The proceeds of the sale will be used in the construction of a new high school building for the Eatonville School District.

SAN FERNANDO, LOS ANGELES CO., CAL.—Architects Tuttle & Angel of Los Angeles have been awarded the architectural work of the new Pa-coima grammar school building to be erected from the \$15,000 bond issue recently voted.

Architect Dennis & Hewitt, Fay Bldg., Los Angeles, have been awarded the architectural work on the new Chatsworth Park School to be erected from the \$34,000 school bonds recently voted.

AUSTIN, TEXAS.—The State Board of Education has passed an order for investment of \$22,000 of the University permanent fund in the common school district bonds, and the Board will borrow that amount and invest it in bearing bonds issued by schools for the purpose of erecting schools.

MARION SCHOOL DISTRICT, LOS ANGELES CO., CAL.—An election will be held in the Marion School District on March 15th for the purpose of voting on the question of issuing and selling bonds of \$55,000, bearing interest at 6 per cent.

The proceeds of the sale will be used in the construction of a new school building for the district. C. F. Hale and R. B. Smith are trustees.

CALEXICO, IMPERIAL CO., CAL.—The Niland School District has called an election to decide on the issuing of bonds of \$15,000. The funds will be used in the construction of a new school building. March 15th is the date set for the election.

BARSTOW, SAN BERNARDINO CO., CAL.—A petition is being circulated by those interested for the formation of a union high school district, which will include several districts throughout San Bernardino County.

As soon as the petition has received sufficient signatures an election will be called to vote bonds of \$17,000 to erect a new and modern school building.

BONNERS FERRY, IDAHO.—The school board has decided to call a special election on March 6th for the voting of bonds in the sum of \$45,000 for the construction of a new school building which will be erected on the Richardson site.

SAN BERNARDINO, SAN BERNARDINO CO., CAL.—After consultation of the Board of Supervisors and the County Highway Commission, it is expected that the Board will pass a resolution calling for a good roads bond election which, it is thought, will include bonds for county hospital and county bridges. The amount asked will be \$1,540,000.

DOUGLAS, ARIZ.—The Douglas School Trustees have recently been considering the matter of starting construction of two new school buildings for which a \$90,000 bond issue was voted.

SAN RAFAEL, MARIN CO., CAL.—The matter of calling a special bond election to issue \$40,000 or less to provide ways and means to dredge the San Rafael canal has been discussed by Mayor Kinsella and several members of the City Council.

GALT SCHOOL DISTRICT, SACRAMENTO CO., CAL.—An election will be held in the Galt School District on April 10th at which time the question of issuing and selling bonds in the sum of \$17,000 will be voted for the purpose of raising money for purchas-

ing school lots and building a school.

TAFT, KERN CO., CAL.—Residents of the Colney School District of Taft have petitioned the County Superintendent of Schools for the formation of a union high school district. It is proposed to unite several of the present school districts in this vicinity and erect a modern school building.

Residents of the Wasco School District of Kern County have also presented a similar petition to the Superintendent with the intention of having a modern school erected.

SANTA BARBARA, SANTA BARBARA CO., CAL.—The proposed bond issue, upon which the county is soon to vote, will aggregate \$1,450,000. It will provide for a system of permanent roads throughout the county, a paved highway through the Cuyama to connect with San Joaquin Valley at Maricopa, and with the State Highway near Santa Maria, and the bridges on the State Highway on which work has already been begun.

The County Highway Commissioners, who are gathering the necessary data for the road system, have made their final report to the Supervisors. Two weeks ago the report was completed, but it omitted the Cuyama highway, which Santa Maria demands, so the engineers had to go all over the ground again to make the necessary modifications to include that thoroughfare.

County Highway Commissioner George M. Williamson states that the report includes \$330,000 for bridges; and \$350,000 to build a new grade over the San Marcos Pass, with macadam on the north side and oil surface for the balance of the grade. For the Cuyama road the commissioners have allotted \$90,000. There are also roads for the Lompoc section.

The report also includes \$100,000 for a county hospital and between \$15,000 and \$20,000 for a detention home.

RIVERDALE, FRESNO CO., CAL.—The Board of School Trustees will soon set a date for an election to vote bonds of \$20,000 for the erection of a school building for the district.

SAN BERNARDINO, SAN BERNARDINO CO., CAL.—Following the sale of \$500,000 worth of the \$1,750,000 bond issue for the improvement of county highways, the San Bernardino County Highway Commission has announced its selection of the roads which are to be improved first. This list, which includes 30.95 miles of highway, has been approved by the Board of Supervisors and construction work will be started as soon as possible.

One-half of the roads will be constructed by contract and the other by day labor to furnish a comparison of the cost of the work under the two systems. The roads will be paved with concrete, 16 feet wide, with two-foot shoulders on each side, making a twenty-foot roadway. The highways to be improved at once are as follows:

Base Line from San Bernardino east city limits east to Palm avenue, Highland, four miles.

Colton avenue from Waterman avenue, San Bernardino, east to Redlands city limits, distance four and a half miles.

Colton avenue, from San Bernardino south city limits southwest, via Urbana, to Colton city limits, one and 70-100 miles.

Colton avenue, from Colton south city limits to the Riverside County line, two and 70-100 miles.

Colton avenue, from Colton west city limits to Cedar avenue, Bloomington, three and a half miles.

San Bernardino avenue, through city of Rialto, connecting the State Highway, one and a half miles.

Archibald avenue, Cucamonga, from Base Line to Colton avenue, three and a half miles.

Tenth street, Upland, from Euclid avenue to the Los Angeles County line, three miles.

Euclid avenue, from Ontario south limits south, three miles.

Central avenue, from the State Highway.

Holt avenue, south to the north limits of Chino, two and 30-100 miles.

Silo avenue, from Chino city limits, east to the west line of Euclid avenue, one and 25-100 miles.

HUNTINGTON BEACH, ORANGE CO.; CAL.—At a school bond election held last week bonds carried with 292 in favor and 73 against the issue. As soon as bonds are sold an architect will be selected to design plans for the new structure.

LOS ANGELES, CAL.—The Board of Supervisors has rejected the proposal of the N. W. Halsey Co. for the purchase of bonds of the Pomona City School District.

SHERIDAN, ORE.—An ordinance has been passed providing for an election to be held on March 8th, for the voting of bonds in the sum of \$6,000 with which to build a new city hall. Further information may be had from S. E. Dilley, Mayor of Sheridan.

FLORENCE, ARIZ.—At a joint meeting held by the Florence, Casa Grande and Ray School Districts, which was called for the purpose of discussing a county union high school, a committee was appointed to circulate petitions for a new district high school building.

BATH HOUSES.

Contracts Awarded.

SAN RAFAEL, MARIN CO., CAL.—Bath house filtering plant, \$850. Architect, Thomas O'Connor, San Rafael. Owners, City of San Rafael. Contractor, Joseph A. Kappermann, San Rafael. Contract price, \$850. The only other bid submitted was by Dennis O'Mara at \$1,000.

BRIDGES, DAMS AND HARBOR WORK.

Contracts Awarded.

OROVILLE, BUTTE CO., CAL.—Culverts and bulkhead, earth and concrete. Cost not stated. Engineer, County Surveyor, Oroville. Owners Butte County. Contractors, Chico Construction Co., Chico. Contract price not stated.

CHURCHES.

SEBASTOPOL, SONOMA CO., CAL.—Church, 1 story and base, frame. Cost not stated. Architect, W. J. Wythe, Central Bank Bldg., Oakland. Owner, First Methodist Church of Sebastopol. The building has been designed in the Spanish style with the exterior covered with cement plaster on metal lath and a clay tile roof. Interior will

be finished in pine and redwood with some ornamental plaster. There will be Sunday school rooms besides a large main auditorium and pastor's study. Plans are complete and figures are being taken.

GARAGES

SAN FRANCISCO—Garage addition, 1 story. Class A construction, \$25,000. Architects, O'Brien Bros., Clunie Bldg., S. F. Owners, Dolson & Anderson. The present one-story building at the northwest corner of Bush and Taylor streets will be added to by the construction of another story. There will be a steel frame and steel roof trusses. Interior of the new portion will be arranged for storage space. Interiore finish will be of pine throughout. Metal window sash and frames are specified. Special gasoline storage tanks will be installed. Exterior of the building will be faced with pressed brick. Plans are complete and figures will be called by the end of this week.

RICHMOND, CONTRA COSTA CO., CAL.—Garage, 1 story and base, brick, \$5,000. Architect, J. B. Ogborn, 611 Macdonald avenue, Richmond. Owners, Oschenreiter & Noble. The building will be erected at the corner of Seventh and Barrett streets, covering an area of 50 by 112½ feet. A cement floor will be used. Interior will be finished in pine throughout. Special gasoline storage tanks will be installed. Exterior of the building will be faced with pressed brick. Plans are now being prepared and figures will be called for within a week or ten days.

FACTORIES AND WAREHOUSES.

SAN FRANCISCO—Warehouse, 4 story and base, mill construction. Cost not stated. Architect, Leo J. Devin, Pacific Bldg., S. F. Owner, John Rapp, leased to Dunham, Carrigan & Hayden. The building will be erected at the corner of Kansas and Division streets, covering an area of 200 by 269 feet. The main portion of the structure will be used for a warehouse while the front portion will contain offices of the company and display rooms. A large shipping room is also provided for in the plans. Construction will be of the heavy mill type. Interior will be finished in pine throughout. There will be steam heat, three elevators, an automatic sprinkler system, fireproof vaults and an oil burning system. Exterior of the building will be faced with brick. Plans are complete and figures are being taken.

Contracts Awarded.

PORTLAND, ORE.—Factory, 5 story and base, brick and concrete. Cost not stated. Architects, McNaughton & Raymond, Title and Trust Bldg., Portland. Owners, Blake-McFall Co. Contractor, John Almeter, 293 East 21st street, Portland. Contract price not stated.

FIRE HOUSES AND JAILS.

SAN FRANCISCO—Fire house, 2 story and base. Class C construction, \$35,000. Architects, Ward & Blohme, Alaska Commercial Bldg., S. F. Owners, City and County of San Francisco. The building will be erect-

ed in the Mission District and has been designed to contain four pieces of apparatus. Upper floor will be arranged for living quarters for the men. Interior will be finished in pine throughout. Special electric work will be installed. A cement floor will be used on the first floor. Plans provide for steam heat and a hot water system. Special plumbing will be installed. Exterior of the building will be faced with pressed brick trimmed with terra cotta. Plans are now being prepared.

SAN FRANCISCO—Fire house, 2 story and base. Class C construction, \$40,000. Architects, Ward & Blohme, Alaska Commercial Bldg., S. F. Owners, City and County of San Francisco. The building will be erected on Powell street and will contain six pieces of apparatus on the first floor while the second floor will contain quarters for the men and a special room for the electrician. Interior finish will be of pine and hardwood. There will be steam heat and a hot water system. Special electric work will be installed. Exterior of the building will be faced with pressed brick trimmed with terra cotta. Plans are now being prepared.

FLATS.

SAN FRANCISCO—Flats, 2 story and base, frame, \$5,000. Architect, none. Owner, J. J. Johnson, 488 9th avenue, S. F. The building will be erected on the east side of 17th avenue south of Lake, and has been designed to contain two modern flats of five and six rooms. Interiors will be finished in pine, redwood and elm panels. Hardwood floors will be used in the living and dining rooms. There will be open fire places and tile or brick mantels. Bath rooms will have tile wainscot and composition floors. An automatic water heater will be installed. Exterior of the building will be covered with cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor. Materials are now being purchased.

SAN FRANCISCO—Flats, 2 story and base, frame, \$3,000. Architect, none. Owner, A. M. Sylvia, 371 30th avenue, S. F. The building will be erected on the west side of 25th avenue north of Clement and has been designed to contain two modern flats of five and six rooms. Interiors will be finished in pine and redwood. Hardwood floors will be used in the principal rooms. An open fire place and tile mantel will be used in each living room. Exterior of the building will be covered with cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor.

GOVERNMENT WORK & SUPPLIES.

San Francisco Circular No. 137.

The following bids were received by the depot quartermaster, San Francisco, Cal., under office circular No. 137:

1. Bid 1. Whittier-Coburn Co., Howard and Beale streets, San Francisco, Cal.
2. W. P. Fuller & Co., Mission and Beale streets, San Francisco, Cal.
3. H. S. Crocker Co., 565 Market street, San Francisco, Cal.

4. Fisher-Thornsen Co., Portland, Ore.
5. Berry Bros., 666 Howard street, San Francisco, Cal.
6. R. C. Ryland, 321 Chronicle Building, San Francisco, Cal.
7. B. J. Johnson Soap Co., Milwaukee, Wis.
8. Marshall-Newell Supply Co., 142 Steuart street, San Francisco, Cal.
9. Bennett Bros., 514 Market street, San Francisco, Cal.
10. Armour & Co., 1050 Battery street, San Francisco Cal.
11. John Rothschild & Co., Market and Spear streets, San Francisco, Cal.
12. U. S. Rubber Co. of California, 50 Fremont street, San Francisco, Cal.
13. J. & R. Wilson, 117 Steuart street, San Francisco, Cal.
14. Baker & Hamilton, 4th and Brannan streets, San Francisco, Cal.
15. The White Co. 1460 Market street, San Francisco, Cal.
16. C. J. Hendry Co., 46 Clay street, San Francisco, Cal.
17. Yates & Co., 762 Folsom street, San Francisco, Cal.
18. The Sherwin-Williams Co., 454 2nd street, San Francisco, Cal.
19. Blackaller & Ewers, Sansome and Vallejo streets, San Francisco, Cal.
20. California Ink Co., 33 Clementina street, San Francisco, Cal.
21. W. E. Mushet & Co., 518 Mission street, San Francisco, Cal.
22. Ames-Harris-Neville Co., 100 Potrero avenue, San Francisco, Cal.
23. Marshall-Welsh Hardware Co., Portland, Ore.
24. Holbrook, Merrill & Stetson, 6th and Bluxome streets, San Francisco, Cal.
25. Sun Tent and Awning Co., 54 Washington street, San Francisco, Cal.
26. Universal Trading Co., 171 Broadway, New York City.
27. Dunham, Carrigan & Hayden Co., 140 Kansas street, San Francisco, Cal.
28. Marine Electric Co., 350 Howard street, San Francisco, Cal.
29. California Paint Co., 12th and Pine streets, Oakland, Cal.
30. Dolliver & Bros., 619 Mission street, San Francisco, Cal.
31. C. Roman Co., 173 Jessie street, San Francisco, Cal.
32. Herbert F. Dugan, 1170 Sutter street, San Francisco, Cal.
33. Saul Wagner, 419 Jackson street, San Francisco, Cal.
34. Patton Paint Co., Newark, N. J.
35. Schwabacher-Frey Stationery Co., 611 Market street, San Francisco, Cal.
36. Plant Rubber and Supply Co., 32 Beale street, San Francisco, Cal.
37. Vulcan Iron Works, 604 Mission street, San Francisco, Cal.
38. Pacific Hardware and Steel Co., 7th and Townsend streets, San Francisco, Cal.
39. California Compounding Co., San Jose, Cal.
40. The George Lawrence Co., Portland, Ore.
41. Paine-Bailey Co., 440 Market street, San Francisco, Cal.
42. Pacific States Electric Co., 575 Mission street, San Francisco, Cal.
43. Western Electric Co., 680 Folsom street, San Francisco, Cal.
44. California Furniture Co., 644 Broadway, Los Angeles, Cal.
45. Bass-Hueter Paint Co., 816 Mission street, San Francisco, Cal.

46. Condensite Co. of America, Glenridge, N. J.
47. John Clark Saddlery Co., Portland, Ore.
48. National Lead Co. of America, 840 Merchants' Exchange Building, San Francisco, Cal.
49. Crane Co., 2nd and Brannan streets, San Francisco, Cal.
50. Los Angeles Soap Co., 250 Front street, San Francisco, Cal.
51. Harbison & Gathright, Louisville, Ky.
- Item 1. 5,934 lbs soap, laundry, chipped—Bid 7, 7.42c lb; 10, 5½c; 11, 4.78c; 26, 7.47c; 32, 6c; 50, 5c.
2. 288 sticks soldering, Allen's—Bid 26, 12.37c stick; 27, 28, 42, and 43, 10c lb; 1 day delivery.
3. 2,600 lbs tin, pig—No bids.
4. 30 tubes, boiler—Bid 27, \$4.35 ea; 38, \$4.15; 49, \$3.69.
5. 80 lbs acid, nitric—Bid 32, 25c lb.
6. 800 lbs compound, hectograph—Bid 3, 29c lb; 20, 27½c; 26, 34.7c; 35, 27½c.
7. 500 keys, blank, assorted—Bid 9, \$14.85 lot; 14, \$23.75; 26, \$16.97.
8. 15,000 yds burlap, 40-in wide—Bid 6, \$4.70 per 100 yds; 19, 5.125c yd; 22, 5.1-8c; 25, 4.69c; 26, 5.69c; 44, 5½c.
9. 18 glasses, gague, "Klinger"—Bid 21, \$3.15 ea; 36, \$3.90.
10. 24 hafts, awl—Bid 26, \$4.19 doz; 40, \$4; 47, \$4.50; 51, 33 1-3c ea.
11. 6 lamps, bicycle—Bid 14, \$1.25 ea; 38, \$1.
12. 400 lbs litharge, dry—Bid 1, 14c lb; 2, 8c; 17, 7.2-5c; 26, 10.7c; 45, 8c.
13. 15 measures, liquid, 4-qt—Bid 24, \$1.04ea; 26, \$1.07; 27, 91c.
14. 18 do, 2-qt—Bid 24, 75c ea; 26, 87c; 27, 61c.
15. 500 gals paint, black asphaltum—Bid 1, 30c gal; 2, 73c; 4, 33c; 5, 75c; 17, 61½c; 18, 48c; 23, 40c; 29, 48c; 31, 35c; 33, 32c; 34, 82c; 39, 60c; 45, 55c.
16. 2,000 lbs paint, red lead, 25-lb kegs—Bid 1, 7.49c lb; 2, 8.45c; 17, 7.7c; 26, 8.97c; 45, 7.5c; 48, 7.52c.
17. 3,000 lbs do, 50-lb kegs—Bid 1, 7.49c lb; 2, 8.45c; 17, 7.7c; 26, 8.97c; 45, 7.5c; 48, 7.52c.
18. 400 gals paint, smokestack, buff—Bid 1, \$1.11 gal; 4, \$1.40; 13, \$1.50; 17, \$1.39; 18, \$1.65; 26, \$1.09; 29, \$1.30; 31, \$1.25; 33, 97c; 45, 98c.
19. 200 gals do, red—Bid 1, \$1.11 and \$1.45 gal; 4, \$1.40; 13, \$1.59; 17, \$1.58; 18, \$1.65; 26, \$1.21; 29, \$1.20; 31, \$1; 33, \$1.02; 45, 88c.
20. 5,000 lbs paint, white zinc, 100-lb kegs—Bid 1, 8.45c lb; 2, 8.36c; 17, 8½c; 18, 8½c; 26, 8.64c; 33, \$7.89 cwt; 34, 8.1c lb; 45, 7½c.
21. 8,000 lbs do, 50-lb kegs—Bid 1, 8.90c lb; 2, 8.36c; 17, 8.9c; 18, 9c; 26, 8.84c; 33, \$8.12½ cwt; 34, 8.38c; 45, 7½c.
22. 113 cups, grease, No. 0—Bid 3, 25.2c ea; 14, 22c; 23, 20c; 26, 12.4c, 13.9c and 11.4c; 27, 25c; 38, 27c; 41, 32c.
23. 107 do, No. 00—Bid 8, 19.8c ea; 14, 18c; 23, 17c; 26, 10.4c, 11.4c and 10.2c; 27, 21c; 38, 22c; 41, 27c.
24. 100 do, No. 1—Bid 8, 30.6c ea; 14, 27c; 23, 30c; 26, 15.4c, 17.4c and 15.4c; 27, 31c; 38, 34c; 41, 39c.
25. 3 couplings, Universal, for White truck—Bid 15, \$4.70ea.
26. 20 lbs composition, Tripoli—Bid 26, 9c lb.
27. 20 lbs do, Crocus—Bid 26, 9c lb.
28. 50 lbs do, grade XXXX—Bid 26, 14.9c lb.
29. 30 lbs do, grade XXX—Bid 26, 14.9c lb.
30. 25 lbs compound, molding—Bid 46, 55c and 68c lb.
31. 9 ft lining, asbestos brake, ¼x 3½ in—Bid 12, 75c ft; 15, \$1.42½; 26, 83c; 36, 35c.
32. 50 ft do, ¼x2½ in—Bid 12, 45c ft; 15, \$1.12½; 26, 69c; 36, 27c.
33. 50 ft do, ¼x3½ in—Bid 12, 75c ft; 15, \$1.42½; 26, 83c; 36, 35c.
34. 96 pcs lining, emergency brake—Bid 15, \$144 lot.
35. 4 pcs rubber, hard—Bid 26, \$22.90 lot; 36, \$42.
36. 1 set sprockets, drive, for White truck—Bid 15, \$70.40 lot.
37. 2 chains, drive, for White truck Bid 15, \$21.75 ea.
38. 1 set sprockets, drive, do—Bid 15, \$70.40 set.
39. 2 chains, drive, do—Bid 15, \$21.75 ea.
40. 5 ozs wire, magnet, german silver—No bids.
- 41 to 48. 12 lbs wire, spring steel—No bids.
49. 12 stoves, Shipmate, No. 2 — Bid 24, \$15 ea; 26, \$15.39.
50. 6 do, No. 4—Bid 24, \$18 ea; 26, \$18.69 ea.
51. 100 lbs thread, Barbour's, 4-cord—Bid 11, \$1.274 lb; 16, \$1.28; 26, \$1.189; 30, \$1.24; 40, \$1.14; 47, \$1.20; 51, \$1.25.
52. 125 lbs do, 5-cord—Bid 11, \$1.274 lb; 16, \$1.28; 26, \$1.189; 30, \$1.24; 40, \$1.14; 47, \$1.20; 51, \$1.25.
53. 50 gals varnish, black, 1-gal cans—Bid 1, \$1.80 gal; 2, \$1.75; 17, \$2.65; 18, \$1.40; 29, \$2; 33, \$1.20; 34, \$1.50; 45, \$1.40.
54. 100 gals do, 5-gal cans—Bid 1, \$1.70 gal; 2, \$1.70; 17, \$2.60; 18, \$1.25; 29, \$1.90; 33, \$1.15; 34, \$1.45; 45, \$1.35.
55. 300 hammers, nail—Bid 9, \$5.48 doz; 14, \$5; 23, \$5; 26, \$5.24; 27, \$5.15 and \$5.45; 38, \$4.94.
56. 576 hooks, ceiling—Bid 14, 90c gr.
57. 500 lbs kalsomine, white—Bid 1, 3.82c lb; 17, 3½c; 23, 4c; 26, 5.73c and 5.47c; 29, 4c; 45, 5c.
58. 650 lbs paint, red oxide of iron, 50-lb steel drums—Bid 17, 5½c lb; 29, 5½c; 31, 6.2-5c; 34, 6.2c; 45, 5c.
59. 600 lbs do, 100-lb steel drums—Bid 17, 6¼c lb; 29, 5¼c; 31, 6.1-5c; 34, 6.1c; 45, 5c.
60. 2,500 lbs do, dry, 100-lb steel drums—Bid 17, 4¼c, 4.2-5c, and 4½c lb; 29, 5c; 45, 4c.
61. 200 lbs wax, floor—Bid 1, 30c lb; 2, 25c; 5, 27c; 11 30.48c; 17, 23½c; 18, 25½c; 23, 30c; 26, 28.73c and 24.4c; 29, 28c; 34, 23c; 45, 30c.
62. 1 compressor and shaft, for Vulcan ice machine—Bid 37, \$462.

Yards and Docks.

Specifications for work under the bureau of yards and docks, Navy Department, have been furnished to the following firms in addition to those previously mentioned in these columns:

Cavite, Foundations, March 13—Specification 2133.

W. N. Concannon, San Francisco, Cal.
The Foundation Co., New York City.
H. H. Peterson, 1328 Broadway, New York City.

Henry Monk, Pensacola, Fla.
Atlantic Gulf & Pacific Co., Park Row Building, New York City.
Carnegie Steel Co., Philadelphia, Pa.

Pacific Construction Co., San Francisco, Cal.

Universal Radio Syndicate, London, S. W., England.

Fort Winfield Scott, Cal., Dredging.

The contract for dredging around wharf at Fort Winfield Scott, Cal., has been awarded to the Pacific Coast Dredging and Reclamation Service of San Francisco, Cal., at \$1,100.

Lone Tree, Wash., Jetty.

Under bids opened by the U. S. engineer, Seattle, Wash., the contract for delivering stone for jetty construction at Lone Tree, Wash., has been awarded to the Cascade Contracting Co., of Portland, Ore., at \$60,550.

Fort Huachuca, Construction.

The contract for the construction of various buildings at Fort Huachuca, Ariz., has been awarded to M. J. Parks of Douglas, Utah, at prices as follows, including the use of Douglas plumbing fixtures:

Five double sets captains' quarters, construction, \$36,567.75; plumbing, \$7,700; wiring and fixtures, \$2,750.

One 8-set bachelor officers' quarters, construction, \$13,327.90; plumbing, \$3,400; wiring and fixtures, \$1,160.

Five barracks, with asbestos shingle roof, construction, \$58,970; plumbing, \$14,500; heating, \$1,075; wiring and fixtures, \$3,000.

One lavatory, with asbestos shingle roof, construction, \$1,781; plumbing, \$2,550; heating, \$275; electric wiring and fixtures, \$76.

Seven stables, with galvanized iron roof, construction, \$28,656.25; plumbing, \$80.

One hay shed, \$3,428.50.

Additions and alterations to guard house, construction, \$4,025; plumbing, \$1,350.

Remodeling lavatory No. 60, construction, \$1,625; plumbing, \$4,740; heating \$400; wiring and fixtures, \$190.

Grand total, \$191,630.

Arrowrock Dam, Crest.

The Secretary of the Interior has authorized the Reclamation Service to execute the following contracts for furnishing movable crest for the Arrowrock dam, Boise irrigation project, Idaho: Schedule 1, to the Chicago Bridge and Iron Works of Washington Heights, Ill., contract price, \$8,743.85; schedules 2 and 5, to the Independent Bridge Co., of Pittsburgh, Pa., contract price, \$9,583.31; schedule 4, Western Pipe and Steel Co., of Richmond, Cal., \$6,832.43. All bids on schedule 3 were rejected.

St. Mary River, Bridge.

The Secretary of the Interior has authorized the Reclamation Service to execute contract with the Minneapolis Bridge Co., of Minneapolis, Minn., for furnishing and installing highway and pipe bridge at St. Mary River crossing, St. Mary storage canal, Milk River project, Mont. The total contract price is \$8,823.77.

Letterman Hospital, Special Ward.

Under the opening of January 15 for the construction of a ward for special surgical cases and an addition to the nurses' dormitory at the Letterman General Hospital, San Francisco, no award was made for plumbing, heat-

ing, electric wiring, fixtures and sewer connections. This portion of the work will be readvertised under a 10-day circular by the constructing quartermaster at Fort Mason. The contract for the construction alone was awarded as follows: L. H. Stock, San Francisco, construction of wards, \$9,406; less \$295 for omission of cement plastering; F. H. Garden & Co., San Francisco, Cal., constructing addition to nurses' dormitory, \$14,848; less for omission of cement plaster, \$487.

The Dalles, Ore., Plaster Models.

The following bids were received by the supervising architect, Treasury Department, Washington, D. C., for furnishing plaster models for the U. S. post office at The Dalles, Ore.:

J. Brys & F. Bruyninck Co., Washington, D. C., \$1,080.

Lombard & Ludwig, Washington, D. C., \$1,245.

E. C. Bairstow, Washington, D. C., \$1,295.

Emil Jung, Washington, D. C., \$1,296.

Seattle, Wash., Changes.

The following bids were received by the custodian, U. S. post office, Seattle, Wash., recently for certain changes in post office screen, etc., at the U. S. post office at Seattle, Wash.:

Ned M. Hall, Seattle, Wash., \$1,850; 60 days.

Victor Boutom, Seattle, Wash., \$1,725; 30 days.

Sieg Johnson, Seattle, Wash., \$1,600; 90 days.

A. Eckloff & Co., Seattle, Wash., \$1,535; 25 days.

Westlake Construction Co., 4235 Palatine avenue, Seattle, Wash., \$2,585; 30 days.

Minidoka Project, Electrical Apparatus.

The following bids were received by the U. S. Reclamation Service for electrical apparatus, Boersch Lake pumping plant, Minidoka project, Idaho:

Item 1, 2 100-H. P. vertical induction motors; 2, 3 75-K. V. A. transformers; 3, switchboard apparatus; 4, 1, 2-K. V. A. transformer; 5, 1 33,000-volt electrolytic arrester.

Allis-Chalmers Mfg. Co., Milwaukee, Wis., item 1, f. o. b., \$1,870, delivered \$2,141.15; 2, \$1,575 and \$1,790.33; 3, \$2,585 and \$2,708.74; 4, \$26.50 and \$29.77; 5, \$671 and \$740.94; time, items 1, 2, and 4, February 10; 3, March 1; 5, February 25; deliveries, items 1, 2, and 4, East Norwood, Ohio; 3 and 5, West Allis, Wis.; 3-A and 5-A, Milwaukee; total for all items f. o. b., \$13,165; total delivered, \$14,062.06.

General Electric Co., Schenectady, N. Y., item 1, f. o. b., \$1,933, delivered, \$2,120.80; 2, \$1,548 and \$1,735.60; 3, \$1,625 and \$1,734.68; 4, \$39 and \$42.96; 5, \$711 and \$829.80; time, item 1, 30 to 60 days; 2, 3, and 5, 25 to 40 days, 4, 30 days; deliveries, items 1 and 3, Schenectady, N. Y.; items 2, 4 and 5, Pittsfield, Mass.

Westinghouse Electric and Mfg. Co., East Pittsburgh, Pa., item 1, f. o. b., \$2,070, delivered \$2,222.79; 2, \$1,620 and \$1,886.96; 3, \$2,100 and \$2,225.93; 4, \$29.16 and \$32.27; 5, \$522 and \$602.59; time, item 1, 20 to 65 days; 2, 20 to 50 days, 3, 20 to 65 days; 4, March 15; 5, 25 to 50 days; all deliveries at East Pittsburgh; lump sum, items 1 to 5,

inclusive, \$6,000; 1-A to 5-A, \$5,700; 3-A, \$1,900; in 50 days.

Pittsburgh Transformer Co., Pittsburgh, Pa., item 2, \$924 and \$1,090.22, also \$1,029 and \$1,230; 4, \$22.37 and \$24.87; deliveries f. o. b. Pittsburgh in 15 to 45 days or 15 to 60 days.

Maloney Electric Co., St. Louis, Mo., item 2, \$1,485 or \$1,610.24; 4, \$31.85, \$34.38, \$25.15 or \$27.68; f. o. b. point, St. Louis, Mo.

Santa Barbara, Cal., Vault Shelving.

The following bids were received by the supervising architect, Treasury Department, Washington, D. C., for installing metal vault shelving in the U. S. post office at Santa Barbara, Cal.:

The H. H. Shultz Co., Gowanda, N. Y., \$146.

Bernstein Mfg. Co., Philadelphia, Pa., \$150.

The Armor Clad Mfg. Co., Canton, Ohio, \$164.

The Keyless Lock Co., Indianapolis, Ind., \$173.

The Canton Art Metal Co., Canton, Ohio, \$177.

The Van Dorn Iron Works Co., Cleveland, Ohio, \$180.

The Berger Mfg. Co., Canton, Ohio, \$191.

The Steel Fixture Mfg. Co., Topeka, Kans., \$215.

Crown Metal Construction Co., Jamestown, N. Y., \$225.

The General Fireproofing Co., Ashington, D. C., \$235.51.

Watson Mfg. Co., Jamestown, N. Y., \$238.

Art Metal Construction Co., Jamestown, N. Y., \$244.60.

Seattle, Wash., Repairs.

The contract for repairs and changes in post office screen, etc., at the U. S. post office at Seattle, Wash., has been awarded to Eckloff & Co. at \$1,535.

HONOLULU, HAWAII. — Word has been received in this city from the War Department at Washington, D. C., to the effect that all construction work at the new army post at Fort Kamehameha, near Honolulu, will be done by Day Labor. An appropriation of \$120,000 is available. The work includes some twenty-six buildings, all of frame construction. Lieut. Col. B. Frank Cheatham is the department quartermaster in charge of the work.

Contracts Awarded.

FORT HUACHUCA, ARIZ.—Barracks, etc, frame construction, \$191,630. Architect, Constructing Quartermaster, Fort Huachuca. Owners, United States Government. Contractor, J. M. Sparks, Douglas, Ariz. Contract price, \$191,630.

HOSPITALS

SAN FRANCISCO — Pathological ward and garage, 2 story and base. Class A construction, \$80,000. Architect, August Headman, New Call Bldg., associated with P. Righetti, Phelan Bldg., S. F. Owners, City and County of San Francisco. Revised plans are complete and now out for figures. The building will be erected on Potrero avenue between 21st and 23rd streets. The main portion of the second floor will be left unfinished. There will be a complete steel frame, brick walls and hollow tile interior partitions. Steam heat will be supplied from the

central power plant. Exterior of the building will be faced with pressed brick trimmed with terra cotta. Bids are being taken by the Board of Public Works and will be opened on March 10th. An official proposal appears in another column of this issue.

HOTELS.

SAN FRANCISCO—Hotel, 4 story and base, brick and steel, \$30,000. Architect, D. J. Patterson, Mechanics' Institute Bldg., S. F. Owner, Louis Gassner. The building will be erected at the northeast corner of Stockton and Sacramento streets, covering an area of 59 by 87 feet, and has been designed to contain a total of 70 rooms and a number of public and private baths. Interior finish will be of pine and elm. There will be steam heat, an automatic elevator and a hot water system. Bath rooms will be finished in tile with composition floors. Marble wainscot will be used in the entrance and lobby. Exterior of the building will be faced with pressed brick and terra cotta. Plans are now being prepared.

SAN FRANCISCO—Hotel, 3 story and base, frame, \$20,000. Architect, Charles C. Frye, 20 Montgomery street, S. F. Leased to Mr. Mitsui. The building will be erected south of Market street, and has been designed for a Japanese rooming house. There will be fifty rooms, a store, office and barber shop. Interior finish will be of pine and redwood. Plans provide for a hot water system. Twelve bath rooms are specified. Exterior of the building will be faced with cement plaster on metal lath. Plans are complete and out for figures.

OAKLAND, CAL.—Hotel, 3 story and base, frame, \$15,000. Architect, A. W. Smith, 1010 Broadway, Oakland. Owner, Edward Olsen. The building will be erected on the south side of 8th street east of Jefferson, and will contain 44 guest rooms and a number of public baths. Interior finish will be of pine and redwood. There will be a central heating system and hot water supply. Tile wainscot and composition floors will be used in the bath rooms. Exterior of the building will be covered with rustic. Plans are complete and in the hands of the owner who will do the work by Day Labor. Materials are now being purchased.

LONG BEACH, LOS ANGELES CO., CAL.—Hotel addition, 2 and 6 story, brick, \$60,000. Architect, W. H. Austin, 26 Elm avenue, Long Beach. Owners, Hotel Schuyler Co. The present building on Ocean avenue near Pine will be added to. The front portion will have a six-story addition and the side two stories. The new portion of the building will be arranged for single rooms and apartments of two and three rooms. Interior will be finished in pine and redwood. The present steam heat, hot water and elevator service will be extended. Exterior of the building will be faced with white enameled brick. Plans are complete and figures are being taken.

LIBRARIES.

SAN FRANCISCO—Library excavating and footings, 3 story and base. Class A construction, \$1,200,000. Ar-

chitect, George William Kelham, Sharon Bldg., S. F. Owners, City and County of San Francisco. Bids were opened at the Friday meeting of the Library Trustees for the excavating and footings for the new main library building to be erected in the Civic Center. A total of twenty-eight figures was presented. The lowest bid for this work was received from the Contra Costa Construction Co. at \$28,300. No contract has been awarded.

LOS ANGELES, CAL.—Library, 1 story and base, brick, \$35,000. Architect, W. J. Dodd, Marsh-Strong Bldg., L. A. Owners, City of Los Angeles. The building will be erected in the Boyle Heights District, and has been designed in the classic style. There will be two large reading rooms, a juvenile department and office of the librarian. Interior finish will be of pine and hardwood. There will be a central heating system and vacuum cleaning. Metal book stacks are specified. Exterior of the building will be faced with pressed brick. Plans are being prepared.

POST OFFICES.

EVERETT, WASH.—Post office, 2 story and base, brick and stone. Cost not stated. Architect, Supervising Architect Oscar Wenderoth, Washington, D. C. Owners, United States Government. The building will be of fire-proof construction with brick and concrete walls, floors and roof slabs. Interior partitions will be of hollow tile. The building will cover an area of approximately 10,500 square feet. Interior finish will be of pine and hardwoods with some metal trim. Metal window sash and frames are specified. There will be steam heat and modern plumbing and electric work. Exterior of the building will be faced with pressed brick and cut stone. Plans are complete and figures are being taken. Bids will be opened on March 22nd. An official proposal appears in another column of this issue.

RAILROAD CONSTRUCTION AND EQUIPMENT.

SAN FRANCISCO—Loading and unloading platforms, concrete construction, \$4,000. Engineer's name not given. Owners, Atchison, Topeka & Santa Fe R. R. Co. These two structures will be erected on Bryant street west of Spear. Plans are complete and the work will be done by Day Labor. Materials are now being purchased through the company's agent at the foot of Third street.

LINDSAY, TULARE CO., CAL.—Railroad construction. Cost not stated. Engineer, Assistant Engineer Hatch, Los Angeles. Owners, Santa Fe Railroad Co. The Santa Fe railway will build to Lindsay this summer, according to Assistant Engineer Hatch. Orders for leveling work have already been made, and teams will be on the ground as soon as it is dry enough. Orchardists received checks last summer for the rights of way through their property. The railroad company has all the rights of way from Exeter to Lindsay, but it is not known whether they will build farther than this city at this time. It is understood that the Santa Fe desires to be in the field for the fall orange shipping.

Contracts Awarded.

LOS ANGELES, CAL.—Express depot, 1 and 2 story and base. Class C construction, \$28,901. Architect, James H. Humphrey, Wells-Fargo Bldg., S. F. Owners, Wells-Fargo Express Co. Contractors, Alpeter, Hall & Alpeter, Ferguson Bldg., L. A. Contract price, \$28,901.

RESIDENCES.

SAN FRANCISCO—Residence, 1 story and base, frame, \$2,500. Architects, Rhodes & Marisch, 3372 16th street, S. F. Owners, MacArthur Bros., 1580 Fell street, S. F. The dwelling will be erected at the northwest corner of Chattanooga and 23rd streets, and has been designed for a five-room house with bath. Interior will be finished in pine and redwood. Some hardwood floors will be used. There will be an open fire place in the living room with a tile or brick mantel. Tile wainscot will be used in the bath room. Exterior of the dwelling will be covered with rustic with a brick veneer base. Plans are complete and in the hands of the owners who will do the work by Day Labor.

SAN FRANCISCO—Residence, 2 story and base, frame, \$3,000. Architect, none. Owner, James Welsh, 244 20th avenue, S. F. The dwelling has been designed for a six-room house with bath and garage. Interior will be finished in pine and redwood with some hardwood veneer. Hardwood floors will be used in the living and dining rooms. There will be open fire places and tile or brick mantels. Bath room will have tile wainscot. An automatic water heater will be installed. Exterior of the house will be covered with rustic and cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor. Materials are now being purchased.

SAN FRANCISCO—Residences, 2, 2 story and base, frame, \$2,500 each. Architect, none. Owner, H. P. Otten, 131 10th avenue, S. F. These dwellings will be erected on the west side of 25th avenue south of Geary, and each has been designed to contain six rooms, bath and a garage. Interior will be finished in pine and redwood. Some hardwood floors will be used. There will be open fire places and tile or brick mantels. Bath rooms will have tile wainscot. Automatic water heaters will be installed. Exteriors will be covered with rustic and cement plaster on metal lath. Plans are complete and the work will be done by Day Labor. Materials are now being purchased.

SAN FRANCISCO—Residences, 2, 2 story and base, frame, \$7,000 each. Architects, Falch & Knoll, Hearst Bldg., S. F. Owner's name withheld. These two houses will be erected on property in Forest Hill, and each has been designed to contain seven rooms, two baths, sun porch and a garage. Interiors will be finished in pine and white enamel. Hardwood floors will be used in the living rooms, dining rooms and reception halls. There will be furnace heat and open fire places. Mantels will be of tile and brick. Bath rooms will have tile floors and wainscot. Automatic water heaters will be installed. Exteriors will be finished in cement

plaster on metal lath. Plans are complete and figures have been taken. Contracts will be awarded shortly.

SAN FRANCISCO—Residence, 2 story and base, frame, \$8,500. Architect, H. H. Gutterson, 80 Post street, S. F. Owners, St. Francis Home Building Co. The dwelling will be erected in St. Francis Wood, and has been designed to contain eight rooms, two baths and a garage. Interior finish will be of pine, redwood, hardwoods and white enamel. Hardwood floors will be used in the living room, dining room and reception hall. There will be furnace heat and open fire places. Mantels will be of tile or brick. A hot water circulating system will be installed. Tile wainscot and floors will be used in the bath rooms. Exterior of the house will be covered with cement plaster on metal lath. Plans are complete and figures are now being taken.

SAN FRANCISCO — Residence, 2 story and base, frame, \$3,500. Architect, T. Patterson Ross, 310 California street, S. F. Owner, R. De Luca. The dwelling has been designed for a seven-room house with bath and sleeping porch, and will be erected on the east side of Jones street south of Lombard. Interior will be finished in pine and redwood with white enamel in the bed rooms. Hardwood floors will be used in the living room, dining room and reception hall. Plans provide for furnace heat and open fire places. Mantels will be of tile or brick. Tile wainscot will be used in the bath room. An automatic water heater will be installed. Exterior of the house will be covered with cement plaster on metal lath. Plans are complete and figures are now being taken.

OAKLAND, CAL.—Residence, 1 story and base, frame, \$3,000. Architect, aul E. Woodburn, 3965 Greenwood avenue, Oakland. The dwelling will be erected on Greenwood avenue near Brighton, and has been designed to contain six rooms and bath. Interior will be finished in pine and redwood with some white enamel. Hardwood floors will be used in the living room, dining room and reception hall. There will be furnace heat and open fire place. Mantel will be of brick. Tile wainscot will be used in the bath room. An automatic water heater will be installed. Exterior of the dwelling will be covered with rustic and cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor.

BERKELEY, ALAMEDA CO., CAL.—Residence, 2 story and base, frame, \$5,000. Architect, none. Owner, E. B. Spitler, 815 Oxford street, Berkeley. The dwelling has been designed for an eight-room house and will be erected on Mendocino avenue. Interior will be finished in pine and redwood. Hardwood floors will be used in the principal rooms. Plans provide for furnace heat and open fire places. Mantels will be of tile and brick. Bath room will have tile wainscot. Exterior of the house will be covered with cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor. Materials are now being purchased.

BERKELEY, ALAMEDA CO., CAL.—Residence, 2 story and base, frame, \$5,000. Architect, Olin S. Grove, 2911 Telegraph avenue, Berkeley. Owner,

M. T. Bright. The dwelling has been designed for an eight-room house with two baths and sleeping porch, and will be erected on Woolsey street. Interior will be finished largely in pine with some hardwood veneer. Hardwood floors will be used in the living room, dining room and reception hall. There will be furnace heat and open fire places. Mantels will be of tile and stone. A hot water circulating system will be installed. Bath room will have tile wainscot. Exterior of the house will be covered with cement plaster. Plans are complete and figures are now being taken.

OAKLAND, CAL.—Residence, 2 story and base, frame, \$4,500. Architect, Charles W. McCall, Central Bank Bldg., Oakland. Owner's name withheld. The dwelling will be erected on Lake Shore avenue and has been designed for a seven-room house with two baths and sleeping porch. Interior finish will be of pine and hardwood veneer. Hardwood floors will be used in the principal rooms. There will be furnace heat and open fire places. Mantels will be of tile and brick. Bath rooms will have tile floors and wainscot. An automatic water heater will be installed. Exterior of the house will be covered with cement plaster on metal lath. Plans are now being prepared.

OAKLAND, CAL.—Residence, 2 story and base, frame, \$6,500. Architect, Charles W. McCall, Central Bank Bldg., Oakland. Owner's name withheld. The dwelling has been designed for an eight-room house with two baths and sleeping porch, and will be erected on Mandana Boulevard. Interior finish will be of pine and hardwood with some white enamel in the bed rooms. Plans provide for furnace heat and open fire places. Mantels will be of tile and brick. A hot water circulating system will be installed. Bath rooms will be finished in tile. Exterior of the house will be covered with cement plaster. A clay tile roof will be used. Plans are now being prepared.

BERKELEY, ALAMEDA CO., CAL.—Residence, 2 story and base, frame, \$4,000. Architect, H. H. Gutterson, 80 Post street, S. F. Owner, A. J. Hamilton. The dwelling has been designed for an eight-room house with two baths and sleeping porch, and will be erected on property in Northbrae. Interior will be finished in pine and redwood while the bed rooms will have white enamel finish. Hardwood floors will be used in the living and dining rooms and reception hall. Plans provide for furnace heat and open fire places. Mantels will be of brick and tile. Exterior of the house will be covered with cement plaster on metal lath. Plans are complete and figures are being taken.

PIEDMONT, ALAMEDA CO., CAL.—Residence, 2 story and base, frame, \$8,500. Architect, H. H. Gutterson, 80 Post street, S. F. Owners, Wickham Havens Co. The dwelling has been designed for an eight-room house with two baths and sleeping porch. A separate garage will be erected on the property. Interior of the dwelling will be finished in pine and hardwood. Bed rooms will be finished in white enamel. Hardwood floors will be used throughout the lower floor. Plans provide for furnace heat, open fire places and a

hot water circulating system. Bath rooms will have tile floors and wainscot and will be equipped with showers. Exterior of the dwelling will be covered with cement plaster on metal lath. A clay tile roof will be used. Plans are nearly complete and figures will be called for in about one week.

LOS ALTOS, SANTA CLARA CO., CAL.—Residence, 2 story and base, frame. Cost not stated. Architect, John Hudson Thomas, First National Bank Bldg., Berkeley. Owner, Edward J. McCutchen. The dwelling has been designed for a country home and will contain eleven rooms, several baths, sleeping porches and a separate garage. Interior will be finished in pine and redwood with some hardwood and white enamel. Hardwood floors will be used in the principal rooms. There will be furnace heat and open fire places. Mantels will be of tile and brick. A hot water circulating system and vacuum cleaning will be installed. Bath rooms will be finished in tile. Exterior of the house and garage will be covered with cement plaster on metal lath. A clay tile roof will be used. Plans are complete and figures are being taken.

STOCKTON, SAN JOAQUIN CO., CAL.—Residence, 1 story, frame, \$2,000. Architect, none. Owner, Adolph Brown, 210 East Market street, Stockton. The dwelling has been designed for a five-room house and will be erected at the corner of Baker and Park streets. Interior will be finished in pine and redwood. Some hardwood floors will be used. There will be a large open fire place in the living room. Mantel will be of tile and brick. Tile wainscot will be used in the bath room. Exterior of the dwelling will be covered with rustic and cement plaster. Plans are complete and in the hands of the owner who will do the work by Day Labor.

WOODLAND, YOLO CO., CAL.—Residence, 1½ story and base, frame, \$3,500. Architect, Chester H. Miller, Dailziel Bldg., Oakland. Owner, R. H. Sehuler. The dwelling will contain six rooms and bath. Interior finish will be of pine and hardwood with some white enamel. Hardwood floors will be used in the living room, dining room and reception hall. There will be furnace heat and open fire places. Mantels will be of tile and brick. Tile wainscot will be used in the bath room. Exterior of the house will be covered with cement plaster on metal lath. Plans are complete and subfigures are being taken by the architect.

LOS ANGELES, CAL.—Residence, 2 story, attic and base, frame. Cost not stated. Architect, John C. Austin, Baker-Detwiler Bldg., L. A. Owner, M. H. Mosier. The dwelling will be erected in Fremont Square and has been designed to contain fourteen rooms, four baths and sleeping porches. A large garage will also be erected on the property. Interior of the house will be finished in mahogany and cedar with white enamel in the bed rooms. Hardwood floors will be used throughout. Plans provide for furnace heat and open fire places. Mantels will be of tile and brick. A hot water circulating system and vacuum cleaning will be installed. Bath rooms will be finished in tile and equipped with showers. Exterior of

the dwelling will be covered with cement plaster on metal lath. Plans are now being prepared.

PORTLAND, ORE.—Residence, 2½ story and base, frame, \$25,000. Architect, W. B. Bell, 494 Marguerite avenue, Portland. Owner, A. C. Ruby. The dwelling will be erected at the Base Line Farm, and has been designed to contain fourteen rooms, four baths, sleeping porches. Separate garage and other out-buildings are included in the work. Interior of the house will be finished in pine and hardwoods. There will be a central heating system and ice plant. Bath rooms will be finished in tile. Exterior of the house will be covered with cement plaster on metal lath. Plans are complete and subfigures are now being taken by the architect.

BERKELEY, ALAMEDA CO., CAL.—Residence, 1 story and base, frame, \$2,000. Architects, Elite Planners, 1844 5th avenue, Oakland. Owner, H. C. Davis. The dwelling will be erected in Northbrae and has been designed for a five-room house with bath and sleeping porch. Interior will be finished in pine and redwood. Hardwood floors will be used in the living and dining rooms. There will be a large open fire place and tile or brick mantel. Bath room will be finished in tile. An automatic water heater will be installed. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are complete and the work will be done by Day Labor.

SACRAMENTO, CAL.—Bungalow, 1 story and base, frame, \$2,000. Architect, none. Owner, Max Smith, 2842 Tuolumne avenue, Sacramento. The dwelling will be erected on Tuolumne avenue and has been designed for a five-room house with bath. Interior finish will be of pine and redwood. Some hardwood floors will be used. There will be an open fire place and tile mantel. Bath room will have tile wainscot. An automatic water heater will be installed. Exterior of the house will be covered with rustic and cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor. Materials are now being purchased.

DIXON, SOLANO CO., CAL.—Residence, 2 story and base, concrete, \$20,000. Architect, Henry C. Smith, Humboldt Bank Bldg., S. F. Owner, Roy D. Mayers. The dwelling has been designed for a ten-room house with three baths, sleeping porches and a separate garage. Interior will be finished in pine and hardwood with white enamel in the bed rooms. Hardwood floors will be used in the principal rooms. There will be steam heat, a vacuum cleaning system and hot water circulating system. Bath rooms will be finished in tile. There will be open fire places and tile or brick mantels. Exterior of the dwelling will be covered with cement plaster. Plans are being prepared.

LAKE TAHOE, CAL.—Residence, 1½ story and base, frame, \$10,000. Architect, Henry C. Smith, Humboldt Bank Bldg., S. F. Owner, Edward Lehe. The house will contain eight rooms, two baths and sleeping porches. Interior finish will be of pine and redwood. Some hardwood floors will be used. There will be a central heating system and open fire places. Mantels will

be of tile or brick. A hot water system will be installed. Exterior of the house will be covered with rustic. Plans are now being prepared.

Contracts Awarded.

SEATTLE, WASH.—Residence, 2 story and base, hollow tile, \$25,000. Architect, David J. Myers, Central Bldg., Seattle. Owner, M. A. Arnold. Contractor, M. Arvesen, Downs Block, Seattle. Contract price, \$25,000.

SCHOOLS.

BERKELEY, ALAMEDA CO., CAL.—School walks and drives. Cost not stated. Architect, State Architect George B. McDougall, Sacramento. Owners, State of California. Plans are complete and figures are being taken for constructing walks and drives at the Industrial Home for the Adult Blind at Berkeley. Bids will be opened in Sacramento on March 15th. Plans and specifications can be secured from the State Department of Engineering.

OAKLAND, CAL.—School plumbing, etc. Cost not stated. Architect, J. J. Donovan, Security Bank Bldg., Oakland. Owners, City of Oakland. Plans are complete and figures are now being taken for installing showers and other plumbing work and sheet metal work in the gymnasium at the Fremont School. Bids will be opened on March 9th. Plans and specifications can be had from the office of the Secretary of the Oakland Board of Education.

STOCKTON, SAN JOAQUIN CO., CAL.—School, 2 story and base, brick and concrete. Cost not stated. Architects, Stone & Wright, 24 South California street, Stockton. Owners, City of Stockton. Bids opened on February 25th for the construction of the new El Dorado School show R. W. Moller of S. F. low on the general construction at \$65,934 and \$60,534. C. J. Hurley also of S. F. was low on the heating and ventilating at \$5,300. A complete list of the bids will be found under the heading of Sacramento, Stockton and Northern California in this issue.

AUBURN, PLACER CO., CAL.—School, 1 and 2 story and base, brick and concrete. Cost not stated. Architect, W. H. Weeks, 75 Post street, S. F. Owners, Auburn School District. The building will contain twelve class rooms. Plans provide for steam heat, a vacuum cleaning system and program clocks. There will be modern school plumbing. Exterior of the building will be faced with pressed brick or cement plaster. Plans are complete and figures are being taken. Bids will be opened on March 11th. Plans and specifications can be secured from the architect. Separate bids will be taken on the various parts of the work and the general contract will be figured with several alternates.

GRESHAM, ORE.—School, 2 story and base, frame, \$25,000. Architect, Ernest Kromer, Worcester Bldg., Portland. Owners, City of Gresham. The building will contain eleven class rooms and an assembly hall to seat 250 people. Interior will be finished in pine throughout with maple floors in the class rooms. There will be a central heating system and modern school plumbing. Exterior of the building will be covered with cement plaster on metal lath. Plans are complete and figures are now being taken.

Bids will be opened on March 10th.

PORTLAND, ORE.—School, 2 story and base, semi-fireproof construction, \$100,000. Architect, F. A. Naramore, Superintendent of School Properties, Portland. Owners, City of Portland. The new building will be known as the Franklin School, and this portion will be the first unit of a large school group. Other than the fact that the building will be of semi-fireproof construction and that it will accommodate 2,000 pupils, no details have been given out. Further mention will be made of the work.

FALL CITY, WASH.—School, 2 story and base, brick, \$35,000. Architects, Stephen & Stephen, New York Bldg., Seattle. Owners, Fall City. The building will cover an area of 75 by 120 feet and has been designed to contain eight class rooms and an assembly hall. Interior finish will be of pine throughout. Maple floors will be used in the class rooms. Plans provide for steam heat and modern school plumbing. Exterior of the building will be faced with pressed brick. Plans are now being prepared.

SEWERS, STREET WORK & WATER SYSTEMS.

PORTERVILLE, TULARE CO., CAL.—Electrolier system. Cost not stated. Engineer, Mount Whitney Power Co., Porterville. Owners, City of Porterville. Engineers of the Mount Whitney Power Company have submitted to the Porterville city officials sketches and maps of the proposed electrolier system with which to light the business district, and the proposal was laid over to await action by the Business Men's Association, for the installation of ornamental lights on Main street from Morton to Olive street, a distance of eight blocks; on Lafayette street from Main to E street; D street from Lafayette to Cleveland, and Cleveland from D to Main. There is also a movement on foot for the same lighting on Putnam avenue at least as far as Second street and of Mill street to Third street. The plan looks to the installation of the latest type of nitrogen lamps of 1,000 candle-power each.

HUNTINGTON BEACH, LOS ANGELES CO., CAL.—Street paving, \$69,850. Engineer, City Engineer, Huntington Beach. Owners, Huntington Beach. Bert Noble, Huntington Beach, submitted the lowest bid for paving several streets. His bid was \$69,580. Two other figures were submitted.

SAN BERNARDINO, SAN BERNARDINO CO., CAL.—Road machinery and materials. Cost not stated. Engineer, County Surveyor, San Bernardino. Bids will be received on March 8th for furnishing the following road machinery and materials: Steam or gas motor road rollers, concrete mixers or pavers, 100,000 to 200,000 barrels of cement, 50,000 cubic yards of No. 1 class A rock, 20,000 cubic yards of No. 2 class A rock, 5,000 cubic yards of No. 3 class A rock and 40,000 cubic yards of sand. Complete information can be obtained by addressing R. H. Mack, Secretary of the County Highway Commission at San Bernardino.

SANTA ROSA, SONOMA CO., CAL.—Street paving. Cost not stated. Engineer, City Engineer, Santa Rosa. Owners, City of Santa Rosa. The City Council has ordered the City Attorney to prepare the necessary papers so

that bids may be called for the grading and paving of Santa Rosa avenue from the bridge to the city limits.

RICHMOND, CONTRA COSTA CO., CAL.—Tunnel work, walls and track. Cost not stated. Engineer, City Engineer Posey, Richmond. Owners, City of Richmond. Plans and specifications have been submitted to the City Council for the retaining walls track work and other improvements to be made in the new Municipal Tunnel. The report shows that a 9 pound rail will cost \$31,000 and a heavier track \$36,000. Further action will be taken at the next meeting of the City Council.

WILLITS, MENOCINO CO., CAL.—Street paving. Cost not stated. Engineer, City Engineer Gorlinski, Willits. Owners, City of Willits. Plans and specifications presented by City Engineer Gorlinski for paving certain streets in this city have been adopted. The plans call for a concrete base of five inches with a surfacing of oil and gravel of one and a half inches, and the district to be improved extends on Commercial from the Northwestern Pacific tracks to a point twenty feet west of the Hotel Willits. On Main the paving will be placed from State street to the railroad tracks.

OROVILLE, BUTTE CO., CAL.—Street paving. Cost not stated. Engineer, City Engineer, Oroville. Owners, City of Oroville. The City Board of Trustees has adopted resolutions of intention to pave about twenty additional blocks of streets in Oroville. This work will include upper Montgomery street from Oliver avenue to the Feather River bridge, Meyers street from High street to the city limits, Pomona avenue from Fourth street to the city limits, and one-half of the width of the Marysville road from Montgomery to the city limits, the other half being beyond the city line. The pavement to be used will be identical with that recently adopted for other residence streets and similar to the pavement in the business district.

LODI, SAN JOAQUIN CO., CAL.—Electroliner system. Cost not stated. Engineer, City Engineer, Lodi. Owners, City of Lodi. The matter of installing an electroliner system on several streets in this city is now under discussion by the City Trustees, and it is thought that final action will be taken soon. It is probable that the new electroliners will be similar to those in the downtown district of the city, which are three-light fixtures.

Contracts Awarded.

FACTORY—5 story and base, brick and concrete. Cost not stated. Portland, Ore. Architects, McNaughton & Raymond, Title and Trust Bldg., Portland. Owners, Blake-McFall Co. Contractor, John Almeter, 293 East 21st street, Portland. Contract price not stated.

LODI, SAN JOAQUIN CO., CAL.—Pipe. Cost not stated. Engineer, City Engineer, Lodi. Owners, City of Lodi. Contractor, H. C. Maddox, Sacramento, iron stone pipe. Contract price not stated.

STORES AND OFFICES.

SAN FRANCISCO—Stores, 1 story and base, brick. Cost not stated. Architects, Reid Bros., California-Pacific

Bldg., S. E. Owner, Mrs. Allyn. The building will be erected on the east side of Park street between Sacramento and Clay streets, and has been designed to contain two modern retail stores. Interiors will be finished in pine. There will be patent store fronts, marble wainscot and plate glass display windows. Exterior will be faced with pressed brick. Plans are complete and figures will be called for at once.

Contracts Awarded.

LOS ANGELES, CAL.—Stores and lofts, 4 story and base, brick and steel, \$30,000. Architect, J. J. Frauenfelder, Story Bldg., L. A. Owner, H. H. Ford. Contractor, H. E. Martin, 137 West 24th street, L. A. Contract price, \$30,000.

THEATRES.

Contracts Awarded.

ROSEVILLE, PLACER CO., CAL.—Theatre, 1 story, hollow tile. Cost not stated. Architect's name not given. Owner, Mr. Thomas. Contractor, C. H. Hansen, Lincoln. Contract price not stated.

SEALED PROPOSALS

NOTICE INVITING BIDS FOR SHOWERS.

THE BOARD OF EDUCATION of the City of Oakland and of Oakland High School District of Alameda County, State of California, requests and will receive bids for the furnishing of all the materials, labor and workmanship required in connection with the following work:

For the shower fixtures, sheet metal stalls, plumbing, and other work in connection therewith to be installed in the Gymnasium Building of the Fremont High School, located on the northerly side of Foothill Boulevard, between High street and Forty-seventh avenue.

All said Materials, Labor and Workmanship for each one of the above enumerated groups is to consist of that required by, and be in accordance with the Plans and Specifications prepared therefor and on file in the office of the Purchasing Agent of the Board of Education to which said Plans and Specifications reference is hereby made.

All said bids shall be deposited by the Bidder or his agent prior to the hour of 4:30 P. M. on Tuesday, March 9, 1915, in the office of the Purchasing Agent of the Board, located on the eleventh floor of the City Hall, Washington street, between Fourteenth and Fifteenth, Oakland, Cal. All bids will be opened, examined and publicly declared by the said Board of Education while in open session in their Board room on the eleventh floor of the said City Hall at the hour of 4:30 P. M. on the said March 9, 1915.

Each bid must be accompanied by a separate check, certified by a responsible bank, in an amount not less than 10% of the amount of said bid, and made payable to the order of A. L. Hannaford, Secretary of the Board.

The right is reserved to the Board to reject any or all bids submitted.

By order of the Board of Education of the City of Oakland, and of Oakland High School District of Alameda County, State of California.

H. W. BRIDGMAN,

Purchasing Agent of the Board of Education.

PROPOSALS FOR WEATHER STRIP.

WEATHER STRIP Office of the Custodian, U. S. Public Building, Livingston, Mont. Sealed proposals will be received here until March 15, 1915, for installing metal weather strips in this building. For further information address the custodian.

PROPOSALS FOR CANAL SUPPLIES.

PANAMA CIRCULAR 891—Notice.—The Panama Canal Office of the General Purchasing Officer, Washington, D. C., Referring to the Panama Canal Circular No. 891, dated January 6, 1915, the bids to be opened on February 24, 1915, the following is for the information of intending bidders: The opening of bids under the above circular is hereby postponed until 10:30 a. m. on March 17, 1915. F. C. BOGGS, major, corps of engineers, U. S. Army, general purchasing officer.

FOR DRIVES AND WALKS.

Notice to Contractors.

SEALED bids will be received by W. F. McClure, State Engineer, Forum Building, Sacramento, California, up to and including 12 o'clock noon, Monday, March 15, 1915, said bids then and there to be publicly opened and read for furnishing all plant, materials, and labor, and doing the work required for the complete construction and installation of the Drives and Walks, Industrial Home for Adult Blind, Oakland, California, in accordance with the plans and specifications therefor, copies of which may be obtained on application to the State Department of Engineering, Sacramento, California.

Such bids will be received for the Entire Work, and must be submitted on forms prepared and furnished by the State Department of Engineering. Cash, a bidder's bond, or a certified check in the sum of ten per centum (10%) of the amount of the bid must accompany each bid.

A deposit of Five (\$5.00) Dollars will be required on plans and specifications, the deposit to be returned immediately on the return of the plans and specifications to the State Department of Engineering at Sacramento, California, in good condition.

The State Department of Engineering reserves the right to reject any and all bids and to waive any informality in any bid received.

All bids must be addressed to W. F. McClure, State Engineer, Sacramento, California, and plainly marked on the envelope: "Proposal for Drives and Walks, Industrial Home for Adult Blind, Oakland, California."

(Signed) W. F. McCURE,
State Engineer.

PROPOSALS.

OFFICE OF THE BOARD OF PUBLIC WORKS of the City and County of San Francisco, February 28, 1915.

Sealed proposals will be received at this office between the hours of 2 o'clock p. m. and 3 o'clock p. m., on Wednesday the 10th day of March, 1915, for doing the following work including the furnishing of the necessary labor and materials therefor, to wit:

The general construction of the Pathological Building located on the San Francisco Hospital site.

Progressive payments will be made.

Said work must be done in accordance with the specifications on file in the office of the Board of Public Works, to which reference is hereby made, and must be commenced within five (5) calendar days and completed within one hundred and eighty (180) calendar days thereafter.

The amount of bond for faithful performance of contract has been fixed at \$15,000.00.

All proposals offered must be accompanied by a check certified by a responsible bank, payable to the order of the Clerk of the Supervisors, for an amount not less than ten per cent of the aggregate of the proposal.

Printed proposal forms will be furnished gratuitously upon application at the office of the Architect, and all proposals must be made upon such forms.

The Board of Public Works reserves the right to reject any and all bids.

By order of the Board of Public Works. F. J. CHURCHILL,
Secretary.

NOTICE TO CONTRACTORS.

PROPOSALS FOR THE CONSTRUCTION OF THREE ADOBE DAY SCHOOL BUILDINGS.

DEPARTMENT OF THE INTERIOR, Office of Indian Affairs, Washington, D. C., February 11, 1915.—SEALED PROPOSALS, plainly marked on the outside of the sealed envelopes, "Proposals for the construction of three combination adobe day school buildings, San Xavier School, Arizona," addressed to the Commissioner of Indian Affairs, Washington, D. C., will be received at the Indian Office until 2 P. M. of March 22, 1915, for furnishing materials and labor for the construction of three combination adobe day school buildings at Indian Res. Yuma, and Indian Res. Indian Villages under the jurisdiction of the San Xavier School, Arizona, in strict accordance with the plans, specifications and instructions to bidders, which may be examined at this office, U. S. Indian Warehouse at Chicago, Ill., St. Louis, Mo., and Omaha, Nebraska; the Builders and Trades Exchange of St. Paul, Minn.; at the San Xavier School, Arizona, and at the office of the newspaper in which this advertisement appears. For further information apply to HENRY J. McQUIGG, Superintendent San Xavier School, Tucson, Arizona. Date bids, Commissioner.

PROPOSALS FOR PUMPING PLANT.

PUMPING PLANT—U. S. Engineer's Office, 602 Burke Building, Seattle, Wash.—Sealed proposals for pumping plant for Lake Washington canal locks will be received at this office until 12 noon, March 15, 1915, and then publicly opened. Information on application to U. S. engineer office, Seattle, Wash.; Chicago, Ill., or New York, J. B. CAVANAUGH, major, engineers.

NOTICE TO CONTRACTORS.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., February 11, 1915.—SEALED PROPOSALS will be opened at this office at 3 P. M., March 22, 1915, for the construction complete (including mechanical equipment, lighting fixtures, and approaches) of a two-story and basement stone and brick faced building of 10,000 square feet ground area, fireproof construction, complete roof, for the United States Post Office at Everett, Wash. Drawings and specifications may be obtained from the custodian at Everett, Wash., or at this office, at the discretion of the Supervising Architect. O. WENTHROP, Supervising Architect.

PROPOSALS FOR CONCRETE AND EXCAVATION.

CONCRETE AND EXCAVATION—Department of the Interior, U. S. Reclamation Service, Washington, D. C.—Sealed proposals will be received at the office of the United States Reclamation Service, Fresno, Utah, until 2 o'clock p. m. March 10, 1915, for construction, involving about 12,500 yards of excavation and 2,100 yards of reinforced concrete. The work is located near Payson City, Utah, on the San Pedro, Los Angeles and Salt Lake Railroad and the Tintic branch of the Denver and Rio Grande Railroad. For particulars address the United States Reclamation Service, Fresno, Utah, or Washington, D. C. A. P. DAVIS, director and chief engineer.

PROPOSALS FOR EXCAVATING.

EXCAVATION—Department of the Interior, U. S. Reclamation Service, Washington, D. C.—Sealed proposals will be received at the office of the United States Reclamation Service, Grand Junction, Colo., until 2 o'clock p. m. March 10, 1915, for about 40,000 yards of canal excavation. The work is situated in the vicinity of Grand Junction and Fruita, Colo. For particulars address the United States Reclamation Service, Grand Junction, Colo., or Washington, D. C. A. P. DAVIS, director and chief engineer.

NOTICE TO CONTRACTORS.

SEALED bids will be received by W. F. McClure, State Engineer, Forum Building, Sacramento, California, up to and including 12 o'clock, noon, Wednesday, March 17, 1915, and bids then and there to be publicly opened and read for furnishing all plant, materials, and labor, and doing the work required for the complete construction and erection of a building to be known as the Amusement High School Library, Veterans' Home, Yountville, California, in accordance with the plans and specifications therefor, copies of which may be obtained on application to the State Department of Engineering, Sacramento, California.

Such bids will be received for the entire work, and must be submitted on forms prepared and furnished by the State Department of Engineering.

Cash, a bidder's bond, or a certified check in the sum of ten per centum (10%) of the amount of the bid must accompany each bid.

A deposit of Ten (\$10.00) Dollars will be required on plans and specifications, the deposit to be returned on the return of the plans and specifications to the State Department of Engineering a Sacramento, California, in good condition.

The State Department of Engineering reserves the right to reject any and all bids and to waive any informality in any bid received.

All bids must be addressed to W. F. McClure, State Engineer, Sacramento, Hall and Library, Veterans' Home, California, and plainly marked on the envelope: "Proposals for Amusement Yountville, California."

(Signed) W. F. McCLURE, State Engineer.

NOTICE TO CONTRACTORS.

SEALED bids will be received by W. F. McClure, State Engineer, Forum Building, Sacramento, California, up to and including 12 o'clock, noon, Tuesday, March 16, 1915, and bids then and there to be publicly opened and read for furnishing all plant, materials, and labor, and doing the work required for the complete construction and erection of a building to be known as the Model Rural School, Chico State Normal School, Chico, California, in accordance with the plans and specifications therefor, copies of which may be obtained on application to the State Department of Engineering, Sacramento, California.

Such bids will be received for the entire work, and must be submitted on forms prepared and furnished by the State Department of Engineering.

Cash, a bidder's bond, or a certified check in the sum of ten per centum (10%) of the amount of the bid must accompany each bid.

A deposit of Ten (\$10.00) Dollars will be required on plans and specifications, the deposit to be returned on the return of the plans and specifications to the State Department of Engineering a Sacramento, California, in good condition.

The State Department of Engineering reserves the right to reject any and all bids and to waive any informality in any bid received.

All bids must be addressed to W. F. McClure, State Engineer, Sacramento, California, and plainly marked on the envelope: "Proposals for Model Rural School, Chico State Normal School, Chico, California."

(Signed) W. F. McCLURE, State Engineer.

NOTICE TO STEEL ROLLING DOOR MANUFACTURERS.

Office of the Board of State Harbor Commissioners, Union Depot and Ferry House, San Francisco, Cal., February 11, 1915.

SEALED PROPOSALS or bids will be received at this office at or prior to 11 o'clock A. M. on Thursday, March 4, 1915, for furnishing and installing steel rolling doors on the shed on Pier No. 24 on the waterfront of the City and County of San Francisco, in accordance with the plans and specifications prepared for these doors by the Assistant State Engineer, and adopted by the Board, February 8, 1915, and on file in this office, to which special reference is hereby made.

No bid will be received unless it is made on a blank form furnished from this office. Each bid shall be accompanied by a certified check for an amount equal to five (5) per cent of the amount of the proposal, to be made payable to the order of the Secretary of the Board, conditioned that if the proposal is accepted and the contract awarded, and if the bidder shall fail or neglect to execute a contract and give the bond required under the laws of the State as made, in that case said sum mentioned in said check shall be deemed liquidated damages for such failure and neglect and shall be paid into the San Francisco Harbor Improvement Fund.

The bond required to be not less than one-half of the amount of the bid, with two or more sureties to be approved by the Board of State Harbor Commissioners, and conditioned for the faithful performance by the contractor of all the terms and conditions of said contract according to the true intent and meaning thereof and to the satisfaction of said Board; and said bond shall also be effective as provided in an act approved May 1, 1911, for the protection of material men, mechanics and laborers.

Bids will not be considered by this Board unless delivered to the Secretary or to the Assistant Secretary at the office of the Secretary, Room 17, Ferry Building, at or prior to 11 o'clock A. M. on Thursday, March 4, 1915, at which time and place the bids will be opened.

The Board reserves the right to reject any or all bids if deemed for the interest of the State.

Bidders are invited to be present at the opening of the bids.

Plans and specifications of this work to be had at Room 18, Union Depot and Ferry House, upon depositing \$20.00 for same, which will be returned on return of plans and specifications.

Bidders are requested to mark envelope containing bid: "Bid for Steel Rolling Doors."

(Signed) J. D. DWYER, THOMAS S. WILLIAMS, J. H. McALLUM, Board of State Harbor Commissioners. JEROME NEWMAN, Assistant State Engineer. LEO W. MERLE, JR., Secretary.

PROPOSALS FOR FOUNDATIONS.

FOUNDATIONS—Sealed proposals indorsed "Proposals for Foundations for Radio Towers" will be received at the naval station, Cavite, P. I., or at the bureau of yards and docks, Navy Department, Washington, D. C., until 11 o'clock a. m. March 13, 1915, and then and there publicly opened, for the construction of concrete and pile foundations for three 600-foot steel radio towers at the naval station, Cavite, P. I. Plans and specifications may be obtained on application to the bureau or to the commandant of the naval station named H. R. STANFORD, chief of bureau.

PROPOSALS FOR PUMPING PLANT.

PUMPING PLANT—U. S. Engineer Office, 602 Burke Building, Seattle, Wash.—Sealed proposals for pumping plant for Lake Washington canal locks will be received at this office until 12 noon March 15, 1915, and then publicly opened. Information on application to U. S. engineer office, Seattle, Wash.; Chicago, Ill., or New York, J. B. CAVANAUGH, major, engineers.

INVITATION FOR PROPOSALS.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., February 11, 1915.—SEALED PROPOSALS will be opened at this office at 3 P. M., March 25, 1915, for the construction complete (including mechanical equipment, except elevator, lighting fixtures, and approaches) of the United States Post Office and Court House at Frederick, Md. Three-story and basement, fireproof building; ground area, 5,500 square feet; stone, terra cotta, and brick facing. Drawings and specifications may be obtained from the custodian at Frederick, Md., or at this office, at the discretion of the Supervising Architect.

W. R. BRODE, Pres. LOUIS R. HOLM, Sec. R. J. BRODE, Vice-Pres.

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tained, after February 11, 1915, from the Custodian of site at Pendleton, Oregon, or at this office, in the discretion of the Supervising Architect. O. WENDEROTH, Supervising Architect. (*)

NOTICE TO CONTRACTORS.

OFFICE CONSTRUCTING QUARTERMASTER, Fort Mason, Cal., March 1, 1915.—SEALED PROPOSALS, in triplicate, for plumbing, heating, electric wiring and fixtures in Ward for Special Cases and Addition to Nurses' Dormitory, Letterman General Hospital, will be received here until 11:00 A. M., March 10, 1915, and then opened. Deposit of \$10.00 required to insure return of plans, etc. Proposals to be enclosed in sealed envelopes and addressed GEO. McK. WILLIAMSON, Lt. Col., Q. M. C. (*)

SAN FRANCISCO SKYSCRAPERS.

An interesting report has been compiled in the Bureau of Building Inspection of the Board of Public Works showing the number of skyscrapers in the city limits. The report does not include all the tall buildings now in course of construction throughout the city, but only those now occupied.

The number of completed buildings, ten stories and over in height on January 1st, 1915, as shown in the report is as follows:

Office Buildings.

10 stories	11
11 stories	5
12 stories	4
13 stories	1
15 stories	3
16 stories	3
20 stories	2

Total31

Hotel Buildings.

10 stories	5
11 stories	1
14 stories	1
15 stories	2

Total9

Factories.

12 stories	1
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The factory building mentioned in the above figures does not include the eleven-story brick and steel frame building now under course of construction in the vicinity of the Union Iron Works for the Western Sugar Refining Company.

CONDITIONS FAVORING AMERICAN TRADE IN FAR EAST.

[Vice Consul Crawford M. Bishop, Harbin, China Dec. 10.]

In connection with the question of obtaining return cargoes for ships bringing American products to Manchuria and Vladivostok, inquiries have been received for soya beans, which form the principal export from this region, and as the European markets have been partially closed by reason of the war it is not unlikely that this may form an important item for export. The port of Vladivostok is now kept open throughout the winter by

means of ice-breakers. Freight traffic on the Trans-Siberian Railway, which was much congested at the beginning of the war, has been resumed. Moreover, the double-tracking of the Trans-Siberian Railway has been completed as far as Irkutsk, and the railway is in a better position than even before for handling freight. Since the Panama Canal has been opened to commerce it is possible for direct shipments to be made between the eastern coast of the United States and Vladivostok.

CHINESE BUSINESS MEN'S VISIT TO AMERICA.

[The China Times.]

The Ministry of Agriculture and Commerce at Peking has selected 37 persons as Chinese business men's delegates to the Panama Exposition at San Francisco. It is understood that the delegates will leave Shanghai sometime in March, 1915. The secretary, Wu Tsaichang, and another of the department will accompany the delegates. It is also proposed to send the Director of the Bureau of Industries.

AMERICAN ENTERPRISE IN CHILE.

[Commercial Attache V. L. Havens, Santiago.]

At Coquimbo, Chile, the Bethlehem Steel Co., of the United States, has lately let the contract for the construction of a 24-mile railway to Messrs. Ross & Slaughter. The former is Scotch and the latter American. The Snare & Triest Co., of New York, is building the docks at Coquimbo to handle the iron ore from the mines to the vessels, and the man who is in charge of the docks tells me that ore shipments in small quantities are now being sent north.

NEW EXPLOSIVE IS SAFE AND POWERFUL.

A new explosive that is 50 per cent more powerful than 45-per-cent dynamite, and is said to be as safe to handle as so much sawdust, is being introduced in the mines of Montana. According to reports, this explosive possesses qualities that make it particularly suited to mining work. It can only be exploded by a detonator that applies both heat and shock, neither of these alone being capable of exploding it. The product of the explosion is about 60 per cent water vapor, with a little nitrogen and oxygen, and minute quantities of carbon dioxide, silica, and lime, so that the miners can resume work in the thick smoke following a blast without danger or discomfort. While the exact composition of this explosive has not been given out, it is known that the base consists of ammonium nitrate, and that the principal ingredient is calcium silicate.

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OAKLAND FIRM BIDS LOW ON ARMY BOATS.

The bids on the army harbor boat disclosed the J. Bruster Shipyard Company of Oakland as the lowest bidder at \$14,150, the figures ranging from this amount to \$22,000. There were eleven bids received in all, Mare Island standing near the bottom of the list with her figures at \$16,675.

WEIGHT OF AIR.

There is no uniform weight for air. For instance, say the weight of a cubic foot of air at sea level is 1,700 grains, with the pressure removed, by its elevation to an altitude of 10,000 feet, its weight would be about the half of 1,700 grains. In other words, the cubic foot at ten or twelve thousand feet above the sea would expand to two cubic feet, each of about 850 grains weight.

GIRL WORKERS IN JAPAN.

The number of factory girls newly recruited every year in Japan is 200,000, of whom only 80,000 go home. The remaining 120,000 never return. They go from one factory to another or go into other occupations, never thinking of going home.—World of Labor.

A cubic mile of river water weighs approximately 4,205,650,000 tons and carries in solution, on the average, about 420,000 tons of foreign matter. In all, about 2,735,000,000 tons of solid substances are thus carried annually to the ocean.—United States Geological Survey.

ADVANCE NEWS

Classified according to Location

SAN FRANCISCO.

RESIDENCE—1 story and base, frame, \$2,500. San Francisco. Architects, Rhodes & Marisch, 3372 16th street, S. F. Owners, MacArthur Bros., 1580 Fell street, S. F. The dwelling will be erected at the northwest corner of Chattanooga and 23rd streets, and has been designed for a five room house with bath. Interior will be finished in pine and redwood. Some hardwood floors will be used. There will be an open fire place in the living room with tile or brick mantel. Tile wainscot will be used in the bath room. Exterior of the dwelling will be covered with rustic with a brick veneer base. Plans are complete and in the hands of the owners who will do the work by Day Labor.

RESIDENCE—2 story and base, frame, \$3,000. San Francisco. Architect, none. Owner, James Welsh, 244 20th avenue, S. F. The dwelling has been designed for a six-room house with bath and garage. Interior will be finished in pine and redwood with some hardwood veneer. Hardwood floors will be used in the living and dining rooms. There will be open fire places and tile or brick mantels. Bath room will have tile wainscot. An automatic water heater will be installed. Exterior of the house will be covered with rustic and cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor. Materials are now being purchased.

RESIDENCES—2, 2 story and base, frame, \$2,500 each. San Francisco. Architect, none. Owner, H. P. Otten, 131 10th avenue, S. F. These dwellings will be erected on the west side of 25th avenue south of Geary, and each has been designed to contain six rooms, bath and a garage. Interior will be finished in pine and redwood. Some hardwood floors will be used. There will be open fire places and tile or brick mantels. Bath rooms will have tile wainscot. Automatic water heaters will be installed. Exteriors will be covered with rustic and cement plaster on metal lath. Plans are complete and the work will be done by Day Labor. Materials are now being purchased.

RESIDENCES—2, 2 story and base, frame, \$7,000 each. San Francisco. Architects, Falch & Knoll, Hearst Bldg., S. F. Owner's name withheld. These two houses will be erected on property in Forest Hill, and each has been designed to contain seven rooms, two baths, sun porch and a garage. Interiors will be finished in pine and white enamel. Hardwood floors will be used in the living rooms, dining rooms and reception halls. There will be furnace heat and open fire places. Mantels will be of tile and brick. Bath rooms will have tile floors and wainscot. Automatic water heaters will be installed. Exteriors will be finished in cement plaster on metal lath.

Plans are complete and figures have been taken. Contracts will be awarded shortly.

RESIDENCE—2 story and base, frame, \$8,500. San Francisco. Architect, H. H. Gutterson, 80 Post street, S. F. Owners, St. Francis Home Building Co. The dwelling will be erected in St. Francis Wood, and has been designed to contain eight rooms, two baths and a garage. Interior finish will be of pine, redwood, hardwoods and white enamel. Hardwood floors will be used in the living room, dining room and reception hall. There will be furnace heat and open fire places. Mantels will be of tile or brick. A hot water circulating system will be installed. Tile wainscot will be used in the bath rooms. Exterior of the house will be covered with cement plaster on metal lath. Plans are complete and figures are now being taken.

RESIDENCE—2 story and base, frame, \$3,500. San Francisco. Architect, T. Patterson Ross, 310 California street, S. F. Owner, R. De Luca. The dwelling has been designed for a seven-room house with bath and sleeping porch, and will be erected on the east side of Jones street south of Lombard. Interior will be finished in pine and redwood with white enamel in the bed rooms. Hardwood floors will be used in the living room, dining room and reception hall. Plans provide for furnace heat and open fire places. Mantels will be of tile or brick. Tile wainscot will be used in the bath room. An automatic water heater will be installed. Exterior of the house will be covered with cement plaster on metal lath. Plans are complete and figures are now being taken.

APARTMENT HOUSE—4 story and base, brick and steel, \$25,000. San Francisco. Architects, Rousseau & Rousseau, French Bank Bldg., S. F. Owner, Walker W. Props. The building will be erected on the south side of Post street west of Larkin and has been designed to contain a total of twelve suites of two, three and four rooms. Interior will be finished in pine and elm panels with hardwood floors in the living and dining rooms. There will be wall beds and private bath rooms. Plans provide for steam heat, an automatic elevator, hot water system and vacuum cleaning. All bath rooms will be finished in tile with composition floors. Marble and tile wainscot will be used in the entrance. Exterior of the building will be faced with pressed brick trimmed with terra cotta. Plans are complete and figures are being taken on a general contract.

APARTMENT HOUSE—2 story and base, frame, \$7,000. San Francisco. Architect, none. Owner, Paul Schainman, 2765 Lombard street, S. F. The building has been designed to contain six suites of two and three rooms with bath and wall beds. Interior finish will be of pine and redwood throughout. The building will cover an area of 25 by 85 feet. There will

be a hot water supply. Bath rooms will have tile wainscot and composition floors. Exterior of the building will be covered with rustic and shiplap. Plans are complete and in the hands of the owner who will do the work by Day Labor. Materials are now being purchased.

APARTMENT HOUSE—3 story and base, frame, \$8,000. San Francisco. Architect, none. Owner, G. B. Pasqualetti, 748 Union street, S. F. The building will be erected at the southeast corner of Filbert and Sherwood Place, covering an area of 54 by 35 feet. The basement will be occupied by a garage. Upper floors will contain a total of six apartments of three rooms each. There will be private bath rooms. Interior finish will be of pine and redwood. Plans provide for a hot water system. Bath rooms will have tile wainscot and composition floors. Exterior of the building will be covered with rustic and shiplap. Plans are complete and in the hands of the owner who will do the work by Day Labor.

APARTMENT HOUSE—3 story and base. Class C construction, \$25,000. San Francisco. Architects, O'Brien Bros., Clunie Bldg., S. F. Owners, Goewey Estate. The building will be erected on the south side of Turk street east of Hyde, and has been designed to contain a total of seventeen suites of two rooms and bath each. Interior finish will be of pine, redwood and elm. Some hardwood floors will be used. Plans provide for steam heat, a hot water system and vacuum cleaning. All suites will have wall beds. Bath rooms will have tile wainscot and composition floors. Entrance will have marble wainscot. Exterior of the building will be faced with pressed brick. Plans are complete and figures are now being taken.

APARTMENT HOUSE—5 story and base. Class C construction, \$60,000. San Francisco. Architects, O'Brien Bros., Clunie Bldg., S. F. Owner's name withheld. The building will be erected in the Fifty Vara District, and has been designed to contain forty suites of two, three and four rooms. All apartments will have wall beds and private bath rooms. Besides the office and lobby the main floor will contain a large social room. Interior will be finished in pine, redwood and hardwood veneer. Hardwood floors and ornamental plaster will be used in the office and lobby. Plans provide for steam heat, an automatic elevator, hot water system and vacuum cleaning. Entrance will have tile and marble wainscot. Bath rooms will be finished in tile. Exterior of the building will be faced with pressed brick trimmed with terra cotta. Plans are now being prepared.

FIRE HOUSE—2 story and base. Class C construction, \$35,000. San Francisco. Architects, Ward & Blohme, Alaska Commercial Bldg., S. F. Owners, City and County of San Francisco.

The building will be erected in the Mission District and has been designed to contain four pieces of apparatus. Upper floor will be arranged for living quarters for the men. Interior will be finished in pine throughout. Special electric work will be installed. A cement floor will be used on the first floor. Pans provide for steam heat and a hot water system. Special plumbing will be installed. Exterior of the building will be faced with pressed brick trimmed with terra cotta. Plans are now being prepared.

FIRE HOUSE—2 story and base. Class C construction, \$40,000. San Francisco. Architects, Ward & Blohme, Alaska Commercial Bldg., S. F. Owners, City and County of San Francisco. The building will be erected on Powell street and will contain six pieces of apparatus on the first floor while the second floor will contain quarters for the men and a special room for the electrician. Interior finish will be of pine and hardwood. There will be steam heat and a hot water system. Special electric work will be installed. Exterior of the building will be faced with pressed brick trimmed with terra cotta. Plans are now being prepared.

WAREHOUSE—4 story and base, mill construction. Cost not stated. San Francisco. Architect, Leo J. Devlin, Pacific Bldg., S. F. Owner, John Rapp, leased to Dunham, Carrigan & Hayden. The building will be erected at the corner of Kansas and Division streets, covering an area of 200 by 269 feet. The main portion of the structure will be used for a warehouse while the front portion will contain offices of the company and display rooms. A large shipping room is also provided for in the plans. Construction will be of the heavy mill type. Interior will be finished in pine throughout. There will be steam heat, three elevators, an automatic sprinkler system, fireproof vaults and an oil burning system. Exterior of the building will be faced with brick. Plans are complete and figures are being taken.

FLATS—2 story and base, frame, \$5,000. San Francisco. Architect, none. Owner, J. J. Johnson, 488 9th avenue, S. F. The building will be erected on the east side of 17th avenue south of Lake, and has been designed to contain two modern flats of five and six rooms. Interiors will be finished in pine, redwood and elm panels. Hardwood floors will be used in the living and dining rooms. There will be open fire places and tile or brick mantels. Bath rooms will have tile wainscot and composition floors. An automatic water heater will be installed. Exterior of the building will be covered with rustic and cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor. Materials are now being purchased.

GARAGE ADDITION—1 story. Class A construction, \$25,000. San Francisco. Architects, O'Brien Bros., Clunie Bldg., S. F. Owners, Dolson & Anderson. The present one-story building at the northwest corner of Bush and Taylor streets will be added to by the construction of another story. There will be a steel frame and steel roof trusses. Interior of the new portion will be arranged for storage space. Interior finish will be

of pine throughout. Metal window sash and frames are specified. Special gasoline storage tanks will be installed. Exterior of the building will be faced with pressed brick. Plans are complete and figures will be called for by the end of this week.

HONOLULU, HAWAII—Word has been received in this city from the War Department at Washington, D. C., to the effect that all construction work at the new army post at Fort Kamehameha near Honolulu will be done by Day Labor. An appropriation of \$120,000 is available. The work includes some twenty-six buildings, all of frame construction. Lieut. Col. B. Frank Cheatham is the department quartermaster in charge of the work.

HOTEL—4 story and base, brick and steel, \$30,000. San Francisco. Architect, D. J. Patterson, Mechanics' Institute Bldg., S. F. Owner, Louis Gassner. The building will be erected at the northeast corner of Stockton and Sacramento streets, covering an area of 59 by 87 feet, and has been designed to contain a total of 70 rooms and a number of public and private baths. Interior finish will be of pine and elm. There will be steam heat, an automatic elevator and a hot water system. Bath rooms will be finished in tile with composition floors. Marble wainscot will be used in the entrance and lobby. Exterior of the building will be faced with pressed brick and terra cotta. Plans are now being prepared.

HOTEL—3 story and base, frame, \$20,000. San Francisco. Architect, Charles C. Frye, 20 Montgomery street, S. F. Leased to Mr. Mitsu. The building will be erected south of Market street and has been designed for a Japanese rooming house. There will be fifty rooms, a store, office and barber shop. Interior finish will be of pine and redwood. Plans provide for a hot water system. Twelve baths are specified. Exterior of the building will be faced with cement plaster on metal lath. Plans are complete and out for figures.

PATHOLOGICAL WARD AND GARAGE—2 story and base. Class A construction, \$80,000. San Francisco. Architect, August Headman, New Call Bldg., associated with P. Righetti, Phelan Bldg., S. F. Owners, City and County of San Francisco. Revised plans are complete and now out for figures. The building will be erected on Potrero avenue between 21st and 23rd streets. The main portion of the second floor will be left unfinished. There will be a complete steel frame, brick walls and hollow tile interior partitions. Steam heat will be supplied from the central power plant. Exterior of the building will be faced with pressed brick trimmed with terra cotta. Bids are now being taken by the Board of Public Works and will be opened on March 10th. An official proposal appears in another column of this issue.

LIBRARY EXCAVATING AND FOOTINGS—3 story and base. Class A construction, \$1,200,000. San Francisco. Architect, George William Kelham, Sharon Bldg., S. F. Owners, City and County of San Francisco. Bids were opened at the Friday meeting of the Library Trustees for the excavating and footings for the new main library building to be erected in the

Civic Center. A total of twenty-eight figures was presented. The lowest bid for this work was received from the Contra Costa Construction Co. at \$28,300. No contract has been awarded.

LOADING AND UNLOADING PLATFORMS—Concrete construction, \$4,000. San Francisco. Engineer's name not given. Owners, Atchison, Topeka & Santa Fe R. R. Co. These two structures will be erected on Bryant street west of Spear. Plans are complete and the work will be done by Day Labor. Materials are now being purchased through the company's agent at the foot of Third street.

FLATS—2 story and base, frame, \$3,000. San Francisco. Architect, none. Owner, A. M. Sylvia, 371 30th avenue, S. F. The building will be erected on the west side of 25th avenue north of Clement, and has been designed to contain two modern flats of five and six rooms. Interiors will be finished in pine and redwood. Hardwood floors will be used in each living room. Exterior of the building will be covered with cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor.

STORES—1 story and base, brick. Cost not stated. San Francisco. Architects, Reid Bros., California-Pacific Bldg., S. F. Owner, Mrs. Allyn. The building will be erected on the east side of Polk street between Sacramento and Clay streets, and has been designed to contain two modern retail stores. Interiors will be finished in pine. There will be patent store fronts, marble wainscot and plate glass display windows. Exterior will be faced with pressed brick. Plans are complete and figures will be called for at once.

Contracts Awarded.

BARACKS, ETC.—Frame construction, \$191,630. Fort Huachuca, Ariz. Architect, Constructing Quartermaster, Fort Huachuca. Owners, United States Government. Contractor, J. M. Sparks, Douglas, Ariz. Contract price, \$191,630.

Many Bids In For Library Excavation.

Contra Costa Construction Co. Low Bidders for First Contract to be Let on Main Library Building.

Bids for the excavating and footings for the main library to be erected in the Civic Center were opened Friday by the Library Trustees. This is the first contract to be let for the construction of the million and a half dollar library designed by Architect George William Kelham. Twenty-eight figures were presented, the lowest being that of the Contra Costa Construction Co. at \$28,300. Bids were to have been opened Wednesday last, but several of the contractors had overlooked the existence of old matting and were given additional time in which to add to their bid if they so desired. Five contractors given in the following list changed their figures.

Excavation, Main Library.

Foster-Vogt Co. \$31,747
McClenahan & Co. 37,800

Eaton & Smith.....	35,600
Church & Clark.....	42,980
H. L. Petersen.....	37,600
Fennell & Wand.....	39,000
L. F. Gerdetz.....	53,550.02
Wold Co.	34,266
Sound Con. & Eng. Co.	32,398
A. Lynch.....	33,322
Lindgren Co.	29,700
P. A. Palmer.....	31,600
R. W. Moller.....	32,600
F. Rolandi.....	34,500...\$36,000
Constr. & Eng. Co....	28,880
Collman & Collman Co.	31,286
Clinton Fpfn'g. Co....	26,800...\$29,575
Grant Fee.....	30,000
A. Kohn.....	28,000...\$33,330
McDonald & Kahn....	41,300
Contra Costa Con. Co..	24,800...\$28,300
F. P. Walsh.....	31,857
Bluxome & Co.....	47,500
Barrett & Hilp.....	31,656
A. P. Brady.....	32,883
J. J. Leonard.....	33,420...\$34,120
C. H. & A. W. Gorrill..	44,390
Monson Bros.	31,600

Building Contracts Awarded.

San Francisco

No.	Owner.	Contractor	Amt.
544	Heyman	Heyman	2750
545	Heyman	Heyman	2750
546	Vodden	Vodden	4000
547	Vodden	Vodden	4000
548	Cuneo	Gigli	800
549	Franklin	Franklin	400
550	Aydukovich	Aydukovich	600
551	Weber	Schutte	500
552	Recreation Park.....	Owsley	450
553	Bornegue	Brutcher	400
554	Clausen	Clausen	5000
555	McDiarmid	McDiarmid	600
556	Delucchi	Delucchi	1000
557	Bargolitti	Bargolitti	700
558	Comis	Miller	750
559	Valerga	Valerga	450
560	Proctor	Proctor	400
561	Lyon	Hoag	4000
562	Sanguinetti	Anderson	800
563	Larsen	Larsen	500
564	Raffo	Raffo	400
565	Golden Rule Cafe.....	Owner	450
566	Kane	S F Bldg	1000
567	McClenahan	Owner	500
568	Perkins	McGuigan	1000
569	Egan	Parkerson	900
570	Lawson	Lawson	30000
571	Cory	McMullin	4315
572	Stand Com	Henderson	1600
573	Duffy	Ptersen	4490
574	Bowie	Born	4080
575	Garlick	Minley	4635
576	Varney	Malloch	2090
577	P P I E.....	Turner	7450
578	Towne	La Torres	400
579	Same	Little	6275
580	Otten	Otten	2500
581	Otten	Otten	2500
582	Lapham	Lapham	2750
583	Turner	Bartlett	1500
584	Anderson	Anderson	1500
585	Sutherberg	Johnston	500
586	Ohlson	Ohlson	700
587	Welsh	Welsh	3000
588	MacArthur	MacArthur	2000
589	Kanetsky	Kanetsky	1000
590	Stokes	Stokes	700
591	Watts	Watts	800
592	Campen	Campen	850
593	Keenan	Keenan	5000
594	Fairbanks	Fairbanks	800
595	Grace	Nielsen	500
596	Lind	Lind	2400
620	Pacific G & E Co.....	Bos	2267
621	Terrill	Carnahan	4950
622	Breuner	Breuner	700
623	Romecynsky	Mager	1575
624	Eggers	Beha	2040
625	Schroder	Lynch	400
626	Dolan	Smith	1900
627	Victoria	Brumfield	750
628	Associated Oil	Owner	1000
629	Briggs	Bondie	1200
630	Same	Same	1200
631	Johnson	Johnson	5000
632	Butler	Butler	2000
633	Hauschildt	Eiberger	765
634	Camica	Devencenzi	2800
635	Pasqualetti	Owner	5500
636	Cotaro	Amoroso	3000
637	Tamony	Props	7000

638	Anderson	Johanson	3575
639	Dolan	Smith	1900
640	Clinton	Gilmour	3900
641	W'n Sugar	Dyer	180000

FRAME DWELLING
(544) E SEVENTH AVE 100 S Geary.
Two-story and basement frame dwlg
Owner.....O. Heyman & Bro., 742
Market, San Francisco.
Architect...None.
Day's work. COST, \$2750

FRAME DWELLING
(545) W SIXTH AVE 100 S Geary.
Two-story and basement frame dwlg
Owner.....O. Heyman & Bro., 742
Market, San Francisco.
Architect...None.
Day's work. COST, \$2750

FRAME DWELLING
(546)-W SIXTEENTH AVE 100 N Bal-
boa. Two-story and basement frame
dwelling.
Owner.....Thos. Vodden & Son, 1015
Cole, San Francisco.
Architect...Walter G. Vodden, 1015
Cole, San Francisco.
Contractor..Thos. Vodden & Son, 1015
Cole, San Francisco.
COST, \$4000

FRAME DWELLING
(547) W SIXTEENTH AVE 75 N Bal-
boa. Two-story and basement frame
dwelling.
Owner.....Thos. Vodden & Son, 1015
Cole, San Francisco.
Architect...Walter G. Vodden, 1015
Cole, San Francisco.
Contractor..Thos. Vodden & Son, 1015
Cole, San Francisco.
COST, \$4000

FRAME STORES
(548) S CHESTNUT 192½ E Scott.
One-story frame (2) stores.
Owner.....Mrs. Emma Cuneo, 2253
Chestnut, S. F.
Architect...None.
Contractor..A. Gigli, 1467 Vallejo,
San Francisco.
COST, \$800

FRAME STORE
(549) S LOMBARD 50 E Lyon. One-
story frame store.
Owner.....F. Franklin, 2960 Lyon,
San Francisco.
Architect...None.
Day's work. COST, \$400

FRAME DWELLING
(550) E GILMAN 200 S Jennings. One
story and basement frame dwelling.
Owner.....L. Aydukovich, 1323 Hol-
lister Ave., S. F.
Architect...None.
Day's work. COST, \$600

ALTERATIONS
(551) NO. 71 THIRD. Alter saloon.
Owner.....Chas. Weber Jr., Prem.
Architect...None.
Contractor..H. Schutte & Son, 630
Precita Ave., S. F.
COST, \$500

REPAIRS
(552) COR. VALENCIA AND 15TH.
Repair bleacher seats.
Owner.....Recreation Park Ass'n.,
129 Stevenson, S. F.
Architect...None.
Contractor..B. T. Owsley, 311 Sharon
Bldg., San Francisco.
COST, \$450

ALTERATIONS
(553) NO. 1270 GOLDEN GATE AVE.,
Alter cafe, concrete floor, etc.
Owner.....M. F. Bornegue.
Architect...W. H. Crim Jr, 244 Kear-
ny, San Francisco.
Contractor..Brutcher & Serna, 110
Jessie, San Francisco.
COST, \$400

FRAME TENEMENTS
(554) E LANGTON 155 N Harrison.
Three-story frame (10) tenements.
Owner.....C. O. Clausen, Hearst Bldg
San Francisco.
Architect...C. O. Clausen, Hearst Bldg
San Francisco.
Day's work. COST, \$5000

ALTERATIONS
(555) NO. 830 ELIZABETH. New roof
and general repairs to dwelling.
Owner.....W. G. McDiarmid, 2528
Mission, San Francisco.
Architect...None.
Day's work. COST, \$600

GARAGE
(556) E GRAHAM PLACE 62 S Union.
One-story concrete private garage.
Owner.....J. A. Delucchi, 565 Union,
San Francisco.
Architect...J. A. Porporato, 619
Washington, S. F.
Day's work. COST, \$1000

FRAME STORE
(557) NW BRAZIL AND VIENNA.
One-story frame store.
Owner.....A. F. Bargolitti.
Architect...None.
Day's work. COST, \$700

ALTERATIONS
(558) NO. 2269 CHESTNUT. Alter flats.
Owner.....D. Comis, Premises.
Architect...None.
Contractor..H. C. Miller, 2459 59th
Ave., Oakland.
COST, \$750

FRAME DWELLING
(559) W GILROY 90 N Jamestown.
One-story and basement frame dwlg.
Owner.....Susan L. and Domenico
Valerga, 1176-A Sanchez,
San Francisco.
Architect...None.
Day's work. COST, \$450

GARAGE
(560) S SEA CLIFF 160 W 25th Ave.
Alter for garage.
Owner.....Florence Procter, 123 26th
Ave., San Francisco.
Architect...None.
Day's work. COST, \$400

FRAME DWELLING
(561) E FORTY-FIFTH AVE 33 N
Anza. Two-story and basement
frame dwelling.
Owner.....Lyon & Hoag, 660 Market,
San Francisco.
Architect...H. C. Bauman, 605 Chroni-
cle Bldg., San Francisco.
Day's work. COST, \$4000

ALTERATIONS
(562) NO. 314 COLUMBUS. Alterations
Owner.....M. G. Sanguinetti, 859 Union,
San Francisco.
Architect...None.
Contractor..F. Anderson, 221 Dolores,
San Francisco.
COST, \$800

ADDITION

(563) NO. 815 FELL. Add bath room and sleeping porch to dwelling.
Owner.....O. Larsen, Premises.
Architect...None.
Day's work. COST, \$500

(564) NO. 4092 TWENTY-FOURTH.
Owner.....P. Raffo & Co., 1309 Castro San Francisco.
Architect...None.
Day's work. COST, \$400

INSTALL RANGE, ETC.

(565) NO. 765 MARKET. Install range and erect counter.
Owner.....Golden Rule Cafe, Prem.
Architect...None.
Day's work. COST, \$450

FRAME STORES

(566) NE FILLMORE & LOMBARD.
One-story frame stores.
Owner.....Jas. C. Kane, 660 Market, San Francisco.
Architect...J. T. Corte, 1st National Bank Bldg., S. F.
Contractor...S. F. Bldg. Co., 45 Kearny, San Francisco.
COST, \$1000

ALTERATIONS

(567) S CHESTNUT 130 W Steiner. Alter offices, etc.
Owner.....T. W. McClenahan, 180 Jessie, San Francisco.
Architect...D. D. Kearns, 251 Kearny San Francisco.
Day's work. COST, \$500

ALTERATIONS

(568) SE BUSH & KEARNY. Remove old and replace new sidewalk lights.
Owner.....George W. Perkins.
Architect...None.
Contractor...John McGuigan, 142 Silver San Francisco.
COST, \$1000

FRAME DWELLING

(569) NO. 637 MORSE. One-story and basement frame dwelling.
Owner.....John F. Egan, 639 Morse, San Francisco.
Architect...None.
Contractor...H. E. Parkersen, 120 Peralta Ave., S. F.
COST, \$900

BRICK TENEMENTS

(570) N POST 80 E Polk. Three-story and basement brick (18) tenements.
Owner.....A. W. Lawson, Hearst Bldg., San Francisco.
Architect...O'Brien Bros., Inc., 519 California, San Francisco.
Contractor...A. W. Lawson, Hearst Bldg., San Francisco.
COST, \$30,000

FRAME RESIDENCE

(571) — DE SOTO 206 — Pacheco being Lot 27 and 6.66 feet of Lot 28 Blk 2, Forest Hill. All work for 2-story and basement frame residence.
Owner.....T. H. Cory.
Architect...Coates & Traver, Head Bldg., San Francisco.
Contractor...McMullin-Von Voorhies Co 1290 12th Ave., S. F.
Filed Feb. 19, '15. Dated Feb. 6, '15.
Frame up\$1075
Brown coated 1075
Completed and accepted..... 1090

Usual 35 days..... 1075

TOTAL COST, \$4315

Bond, none. Limit, 60 days. Forfeit, none. Plans and specifications filed.

EXHIBIT BOOTH

(572) EXPOSITION SITE. Erection and completion of exhibit booth in Palace of Education.
Owner.....The Standard Commercial Schools.

Architect...None.
Contractor...W. D. Henderson, Monadnock Bldg., S. F.
Filed Feb. 19, '15. Dated Feb. 15, '15.
At completion 75%
Usual 35 days..... 25%
TOTAL COST, \$1600
Bond, none. Limit, March 6, 1915.
Forfeit, none. Plans and specifications filed.

FRAME STORE AND FLAT

(573) E CHURCH 40 S 24th S 24xPE 100. All work except window shades, finish hardware and light fixture for two-story frame store and flat.
Owner.....John Francis and Jane Frances Duffy.
Architect...Ernest M. Essmann, 24th and Church, S. F.
Contractor...Einar Petersen, 3530 23rd, San Francisco.
Filed Feb. 19, '15. Dated Feb. 16, '15.
Frame up\$872
Brown coated 872
Completed and accepted..... 873
Usual 35 days..... 873
TOTAL COST, \$4490
Bond, \$1750. Sureties, B. Martin and Herman J. Axt. Limit, 60 days. Forfeit, none. Plans and specifications filed.

FRAME RESIDENCE

(574) E THIRTY-SECOND AVE 25 N California, Int E 32nd Ave and S boundary line Lot 16, Lyon & Hoag's Sub Baker Beach Land Co. S 78-1 1/2 N 30-8 W 79-8 3/4 S 30-8 3/4 Ptn Lot 16, Lyon & Hoag's Sub Bakers Beach Land Co. All work for two-story and basement frame residence.
Owner.....Campbell Bowie.
Architect...Edw. G. Bolles.
Contractor...S. A. Born Bldg., Co., 660 Market, San Francisco.
Filed Feb. 19, '15. Dated Feb. 15, '15.
Foundation in\$ 580
Frame up 820
Plaster on inside..... 820
Completed and accepted..... 840
Usual 35 days..... 1020
TOTAL COST, \$4080
Bond, none. Limit, without delay.
Forfeit, none. Plans and specifications filed.

FRAME DWELLING

(575) W SEVENTEENTH AVE 100 N Fulton N 25xW 120. Carpenter, painting, plumbing, plaster, concrete electrical work for two-story and basement frame dwelling.
Owner.....Etha F. Garlick, 749 11th Ave., San Francisco.
Architect...None.
Contractor...Edw. Ginley, 131 5th Ave., San Francisco.
Filed Feb. 23, '15. Dated Feb. 17, '15.
Frame up and enclosed.....\$1158.75
Brown coated 1158.75
Completed 1158.75
Usual 35 days..... 1158.75
TOTAL COST, \$4635.00
Bond, none. Limit, 120 days. Forfeit, none. Plans and specifications filed.

FRAME STORE AND ROOMS

(576) E LAGUNA 112-6 N Lombard 2 x81-3. All work for two-story frame store and rooms.
Owner.....Madeline Varney, Cr Pacific Gas & Elec. Co., S. F.
Architect...M. I. Schwartz, Nevada Bank Bldg., S. F.
Contractor...J. S. Malloch, 110 Jessie San Francisco.
Filed Feb. 23, '15. Dated Feb. 19, '15.
Roof boards on.....\$520
Closed in and plastering on..... 520
Completed and accepted..... 520
Usual 35 days..... 530
TOTAL COST, \$2090
Bond, \$1000. Surety, Hartford Accident & Indemnity Co. Limit, 30 days after Feb. 23. Forfeit, none. Plans and specifications filed.

COMFORT STATION

(577) EXPOSITION SITE; N Francisco 50 W Webster W 80xN 80. All work for public comfort station No. 1.
Owner.....Panama-Pacific International Exposition Co., Service Bldg., S. F.
Architect...None.
Contractor...The Turner Co., 278 Natoma, San Francisco.
Filed Feb. 24, '15. Dated Jan. 13, '15.
As work progresses..... 75%
Usual 35 days..... 25%
TOTAL COST, \$7450
Bond, \$4500. Surety, Massachusetts Bonding & Insurance Co. Limit, 35 days. Forfeit, \$25. Plans and specifications filed.

FRAME DWELLING

(578) LOTS 28 AND 29 BLK 6 Flint Tract Homestead. Painting, paper hanging and decorating for one-story and basement frame dwelling.
Owner.....Percy E. Towne, Chronicle Bldg., San Francisco.
Architect...Philip Overman, Shreve Bldg., San Francisco.
Contractor...Frank La Torres, 3237 Mission, San Francisco.
Filed Feb. 24, '15. Dated Feb. 23, '15.
At discretion of architect.....\$150
Acceptance 150
Usual 35 days..... 100
TOTAL COST, \$400
Bond, none. Limit, 150 days. Forfeit, \$5. Plans and specifications filed.

(579) CARPENTER, MILL, LUMBER, plumbing, concrete, plaster, electrical, brick, tile, glass, hardware, etc., on above.

Contractor...Wm. Little, 753 8th Ave., San Francisco.
Filed Feb. 24, '15. Dated Feb. 23, '15.
Roof rafters set.....\$1176.75
Brown coated 1176.75
Standing finish on..... 1176.75
Accepted 1176.75
Usual 35 days..... 1568.75
TOTAL COST, \$6275.00
Bond, none. Limit, 150 days. Forfeit, \$5. Plans and specifications filed.

FRAME DWELLING

(580) W TWENTY-FIFTH AVE 350 S Geary. Two-story and basement frame dwelling.
Owner.....H. P. Otten, 131 10th Ave., San Francisco.
Architect...None.
Day's work. COST, \$2500

FRAME DWELLING

(581) W TWENTY-FIFTH AVE 325

S Geary. Two-story and basement frame dwelling.
Owner.....H. P. Otten, 131 10th Ave., San Francisco.
Architect...None.
Day's work. COST, \$2500

FRAME DWELLING
(582) W TWELFTH AVE 275 N Balboa. Two-story and basement frame dwelling.
Owner.....A. R. Lapham, 511 12th Ave., San Francisco.
Architect...None.
Day's work. COST, \$2750

FRAME STORES
(583) SE BAY AND VAN NESS AVE. One-story frame stores.
Owner.....Turner & Dahnken Circuit, 942 Market, S. F.
Architect...A. W. Cornelius, 625 Market, San Francisco.
Contractor..John M. Bartlett, Call Bldg., San Francisco.
COST, \$1500

FRAME DWELLING
(584) E DE HARO 37 S 23rd. One and one-half-story and basement frame dwelling.
Owner.....Gustav and Hulda Andersen, 1139 De Haro, S. F.
Architect...None.
Contractor..Gustav Andersen, 1139 De Haro, San Francisco.
COST, \$1500

ALTERATIONS
(585) NO. 2644 ANZA. Alter frame dwelling.
Owner.....Julia Sutherberg, Prem.
Architect...None.
Contractor..Jas. Johnston.
COST, \$500

ADDITION
(586) SE DOLORES & DORLAND. Add to church for organ.
Owner.....Ed. Ohlson, 125 Jersey, San Francisco.
Architect...None.
Day's work. COST, \$700

FRAME RESIDENCE
(587) W SIXTEENTH AVE 246 S California. Two-story and basement frame residence.
Owner.....James Welsh, 244 20th Ave., San Francisco.
Architect...None.
Day's work. COST, \$3000

FRAME DWELLING
(588) NW CHATTANOOGA AND 23RD One-story and basement frame dwlg.
Owner.....MacArthur Bros., 1560 Fell, San Francisco.
Architect...None.
Day's work. COST, \$2000

FRAME GARAGE
(589) W LIESE 163 N Richland. One story frame garage.
Owner.....J. R. Kanetsky, 3763 Mission, San Francisco.
Architect...None.
Day's work. COST, \$1000

ALTERATIONS
(590) NO. 407 THIRTY-FIFTH AVE. Alter dwelling.
Owner.....W. A. Stokes.
Architect...None.
Day's work. COST, \$700

ADDITION
(591) NO. 49 EAGLE. Add to dwlg.
Owner.....Sidney Watts, Premises.
Architect...A. S. MacRae, 655 Moraga San Francisco.
Day's work COST, \$800

FRAME DWELLING
(592) NOS. 2 AND 8 RAYMOND AVE., Crocker Amazon Tract. One-story and basement frame dwelling.
Owner.....E. M. Campen, Premises.
Architect...None.
Day's work. COST, \$850

FRAME FLATS
(593) NE CALIFORNIA & 20TH AVE. Two-story and basement frame (2) flats.
Owner.....C. J. and W. J. Keenan, NE Central Ave and Hayes, San Francisco.
Architect...None.
Day's work. COST, \$5000

FRAME DWELLING
(594) W FORTY-FIFTH AVE 225 N Taraval. One-story and basement frame dwelling.
Owner.....Willietta Fairbanks, 2349 45th Ave., San Francisco.
Architect...None.
Contractor..Wallace Fairbanks, 2349 45th Ave., San Francisco.
COST, \$800

PERGOLA
(595) NO. 332 PINE. Erect pergola on roof.
Owner.....W. R. Grace & Co., Prem.
Architect...None.
Contractor..W. F. Nielsen, 110 Jessie, San Francisco.
COST, \$500

FRAME DWELLING
(596) W TENTH AVE 75 S Balboa. Two-story and basement frame dwlg.
Owner.....Oscar Lind, 4385 25th, San Francisco.
Architect...None.
Day's work. COST, \$2400

REPAIRS
(597) NO. 159 NEY. Raise and repair dwelling.
Owner.....F. Prillipps, Premises.
Architect...None.
Day's work. COST, \$400

FRAME DWELLING
(598) NW BAKER AND VALLEJO W 55xN 90. Plumbing, including fixtures and vacuum cleaning system for two-story, attic and basement frame dwelling.
Owner.....Jno. O. Gantner, 80 Geary, San Francisco.
Architect...Louis M. Upton, 111 Ellis, San Francisco.
Contractor..Frederick W. Snook Co., 596 Clay, San Francisco.
Filed Feb. 25, '15. Dated Feb. 15, '15.
Plumbing roughed in.....\$577
Completed and accepted.....577
Usual 35 days.....386
TOTAL COST, \$1540
Bond, \$770. Surety, United States Fidelity & Guaranty Co. Limit, 80 days after Feb. 20. Forfeit, none. Plans and specifications filed.

FRAME STORE
(599) S CHESTNUT, bet. Franklin & Van Ness Ave; No. 1327 Chestnut. All work except plumbing, electrical

work and painting for one-story frame store building.
Owner.....Davie Garibaldi, 1331 Chestnut, San Francisco.
Architect...None.
Contractor..Hofmeister & Berdahl, 708 Webster, San Francisco.
Filed Feb. 25, '15. Dated Feb. 24, '15.
Ready for floor joists.....\$300
Hardwall plaster on.....600
Ready for painter.....500
Usual 35 days.....325
TOTAL COST, \$1725
Bond, none. Limit, 40 days. Forfeit, none. Plans and specifications filed.

CLASS "C" BUILDING
(600) SW EDDY AND HYDE W 137-6 xS 137-6. Steel work for tank tower and painting of same for one-story Class "C" building.
Owner.....W. E. Dean, 905 Kohl Bldg San Francisco.
Architect...Cunningham & Politeo, 1st National Bank Bldg., San Francisco.
Contractor..Golden Gate Iron Works, 1541 Howard, S. F.
Filed Feb. 25, '15. Dated Feb. 23, '15.
On 1st and 15th of each month 75%
Usual 35 days.....25%
TOTAL COST, \$1075
Bond, \$538. Surety, Pacific Coast Casualty Co. Limit, 20 days. Forfeit, \$25. Plans and specifications filed.

15 KIOSKS TYPE "F".
(601) EXPOSITION SITE. All work for construction of 15 kiosks type "F."
Owner.....Panama-Pacific International Exposition Co., Service Bldg., S. F.
Architect...None.
Contractor..Strehlow, Freese & Petersen, Exposition Site, S. F.
Filed Feb. 25, '15. Dated Jan. 13, '15.
As work progresses.....75%
Usual 35 days.....25%
TOTAL COST, \$3333
Bond, \$2000. Surety, Pacific Coast Casualty Co. Limit, 30 days. Forfeit, \$15. Plans and specifications filed.

BRICK GARAGE
(602) S LILLY 175 W Laguna. One-story brick garage.
Owner.....Mr. David, — Page, S. F.
Architect...None.
Contractor..L. B. Hess, 2041 Green, San Francisco.
COST, \$800

ALTERATIONS
(603) NO. 2977 TWENTY-FIRST. Alter and move cottage.
Owner.....Geo. F. Quill, Premises.
Architect...None.
Contractor..E. K. Pearson, 2372 Bryant, San Francisco.
COST, \$500

ALTERATIONS
(604) NO. 1219 VAN NESS AVE. Alter store.
Owner.....Hecht Investment Co., 233 Post, San Francisco.
Architect...S. Schnaittacher, 233 Post San Francisco.
Contractor..Daniel O'Neill, 278 Natoma San Francisco.
COST, \$400

BAKE OVEN
(605) NO. 624 POWELL. Construct bake oven.

Owner.....E. Gaetano, 110 Alta, S. F.
 Architect...None.
 Day's work. COST, \$400

FRAME STORE
 (606) NO. 2192 LOMBARD. One-story frame store.
 Owner.....Fred Danman, 643 London, San Francisco.
 Architect...None.
 Day's work. COST, \$400

ALTER FRONT
 (607) NOS. 3216-18 FILLMORE. Alter front.
 Owner.....M. Argeres, 399 3rd, S. F.
 Architect...P. Megas, 3676 19th, S. F.
 Day's work. COST, \$400

ALTERATIONS
 (608) NO. 2200 UNION. Alter store.
 Owner.....J. R. Lewis, Premises.
 Architect...None.
 Contractor...F. L. Loveland, 2899 Vallejo, San Francisco.
 COST, \$400

ALTERATIONS
 (609) NW FOLSOM & HARRIETT. Alter saloon.
 Owner.....F. A. Evers, 485 6th, S. F.
 Architect...None.
 Contractor...A. Olson, 289 Fell, S. F.
 COST, \$400

ALTERATIONS
 (610) S ELLIS 137 W Hyde. Alter apartments and repair fire damage.
 Owner.....J. G. Kincanon, 215 Montgomery, San Francisco.
 Architect...None.
 Day's work. COST, \$1000

ALTERATIONS
 (611) NO. 1184 MARKET. Alter and change store.
 Owner.....H. Shimiza, Premises.
 Architect...None.
 Contractor...Figemoto.
 COST, \$500

ALTERATIONS
 (612) NW COLLINGWOOD & 18TH. Alter saloon.
 Owner.....A. Pomleczynski.
 Architect...None.
 Day's work. COST, \$400

BAKE OVEN
 (613) NO. 1624 POWELL. Install bake oven.
 Owner.....G. Ingrassia, 110 Alta, San Francisco.
 Architect...None.
 Day's work. COST, \$400

GARAGE
 (614) NE CABRILLO AND 13TH AVE. One-story frame garage.
 Owner.....Ph. L. Bauman, 1420 Market, San Francisco.
 Architect...None.
 Day's work. COST, \$400

CEMENT FLOOR
 (615) NO. 525 FRONT. Cement floor.
 Owner.....German Saving & Loan Society, 526 California, San Francisco.
 Architect...None.
 Contractor...A. Seghieri, 35 Cook, San Francisco.
 COST, \$500

ALTERATIONS
 (616) NOS. 810-810½ HAMPSHIRE. Alter flats.

Owner.....J. W. Shannon, San Rafael
 Architect...None.
 Contractor...J. F. Nielsen, 2350 Bryant, San Francisco.
 COST, \$750

FRAME STORES
 (617) E SCOTT 125 N Lombard. One-story frame (2) stores.
 Owner.....E. Righetti, 3230 Scott, San Francisco.
 Architect...None.
 Day's work. COST, \$450

ERECT MARQUISE
 (618) NO. 149 POWELL. Marquise.
 Owner.....Nanking Cafe Co., Prem.
 Architect...None.
 Contractor...Brumfield Elec. Sign Co., 18 7th, San Francisco.
 COST, \$1000

FRAME APARTMENTS
 (619) W BAKER 87-6 S Lombard. Two-story and basement frame (6) apartments.
 Owner.....Paul Schainman, 2765 Lombard, San Francisco.
 Architect...None.
 Day's work. COST, \$6000

ALTERATIONS
 (620) BLK BDED BY POWELL, Mason, Beach and Jefferson. Steel and concrete extension to present bldg.
 Owner.....Pacific Gas & Electric Co., 445 Sutter, San Francisco.
 Architect...None.
 Contractor...Geo. A. Bos, Hearst Bldg., San Francisco.
 Filed Feb. 26, '15. Dated Feb. 18, '15.
 On completion 75%
 Usual 35 days..... 25%
 TOTAL COST, \$2267
 Bond, \$1200. Surety, Massachusetts Bonding & Insurance Co. Limit, 35 days. Forfeit, none. Plans and specifications filed.

FRAME GARAGE
 (621) E NOE 166 N 17th. One-story frame private garage.
 Owner.....Sara B. Terrill.
 Architect...C. Lankford, 45 Kearny, San Francisco.
 Contractor...Carnahan & Mulford.
 COST, \$4950

EXTEND MEZZANINE FLOOR
 (622) NO. 281 GEARY. Extend mezzanine floor.
 Owner.....John Breuner Co., Prem.
 Architect...None.
 Day's work. COST, \$700

FRAME SALOON
 (623) SW CASTRO AND MARKET. One-story frame saloon.
 Owner.....Aug. Romecynsky, 3897 17th, San Francisco.
 Architect...None.
 Contractor...Mager Bros., 110 Jessie, San Francisco.
 COST, \$1575

FRAME DWELLING
 (624) NE NEWCOMB AVE 150 SE Mendell. One-story and basement frame dwelling.
 Owner.....Arthur Eggers, 1540 Newcomb Ave., S. F.
 Architect...None.
 Contractor...Chas. F. Beha, 682 4th Ave., San Francisco.
 COST, \$2040

ALTERATIONS
 (625) NO. 203 GUERRERO. Alter cafe.
 Owner.....Wm. G. Schroder, Premises
 Architect...None.
 Contractor...Richard Lynch, 268 Richland, San Francisco.
 COST, \$400

FRAME DWELLING
 (626) N COLLEGE AVE 150 W Mission. One-story and basement frame dwelling.
 Owner.....Bernard Dolan, 291 29th, San Francisco.
 Architect...None.
 Contractor...Smith Bros., 35 Delano Ave., San Francisco.
 COST, \$1900

ELECTRIC SIGNS
 (627) NO. 119 POWELL. Electric sign.
 Owner.....Victoria Cafeteria, Prem.
 Architect...None.
 Contractor...Brumfield Elec. Sign Co., 18 7th, San Francisco.
 COST, \$750

SUPPLY STATION
 (628) McCOPPIN AND MARKET. One-story steel supply station.
 Owner.....Associated Oil Co., Sharon Bldg., San Francisco.
 Architect...None.
 Day's work. COST, \$1000

FRAME DWELLING
 (629) S SILVER 25 E Madrid. One-story and basement frame dwlg.
 Owner.....Harry J. Briggs, 2827 Howard, San Francisco.
 Architect...None.
 Contractor...C. C. Bondie, 131 Richland San Francisco.
 COST, \$1200

FRAME DWELLING
 (630) SE SILVER & MADRID. One-story and basement frame dwlg.
 Owner.....Harry J. Briggs, 2827 Howard, San Francisco.
 Architect...None.
 Contractor...C. C. Bondie, 131 Richland San Francisco.
 COST, \$1200

FRAME FLATS
 (631) E SEVENTEENTH AVE 275 S Lake. Two-story and basement frame (2) flats.
 Owner.....J. Johnson, 488 9th Ave., San Francisco.
 Architect...None.
 Day's work. COST, \$5000

FRAME DWELLING
 (632) N EXCELSIOR 50 E Madrid. One and one-half-story and basement frame dwelling.
 Owner.....Henry T. Butler, 71 Bradford, San Francisco.
 Architect...None.
 Contractor...O. Olsen.
 COST, \$2000

ALTERATIONS
 (633) NO. 111 KEARNY. Alter sales room.
 Owner.....Hauschildt Music Co., Prem
 Architect...A. Pyle, Premises.
 Contractor...M. Eiberger, 745 5th Ave., San Francisco.
 COST, \$765

FRAME FLATS

(634) NO. 442 VALLEJO (rear). Two story and basement frame (2) flats. Owner.....L. Camicia and G. Garity, Premises.
Architect...J. Devencenzi, 1069 Union, San Francisco.
Contractor...Devencenzi Bros. & Co., 1069 Union, San Francisco.
COST, \$2800

FRAME TENEMENTS

(635) SE FILBERT & SHERWOOD Alley. Three-story and basement frame (6) Tenements.
Owner.....G. B. Pasqualetti, 748 Union, San Francisco.
Architect...None.
Day's work. COST, \$5500

ALTERATIONS

(636) NE GREEN AND KEARNY. Alter two-story frame and build bake oven.
Owner.....F. Cotaro, 1302 Kearny, San Francisco.
Architect...None.
Contractor...F. C. Amoroso, 1246 Kearny, San Francisco.
COST, \$3000

BRICK STORES

(637) SW NINTH AND HOWARD. One-story brick stores.
Owner.....John Tamony, 2443 Mission, San Francisco.
Architect...None.
Contractor...W. Props, 1301 Gough, S. F. COST, \$7000

CONCRETE STORE BUILDING

(638) E FILLMORE 100 N Sutter 25x 102-6. All work for reinforced concrete store building.
Owner.....R. L. Anderson, 826 Baker, San Francisco.
Architect...Wm. F. Gunnison, 1105 Nevada Bank Bldg., S. F.
Contractor...J. Eric Johanson, 110 Jessie, San Francisco.
Filed Feb. 27, '15. Dated Feb. 26, '15.
Roof rafters laid in place....\$893.75
Concrete poured 893.75
Accepted 893.75
When all bills are paid..... 893.75
TOTAL COST, \$3575.00
Bond, none. Limit, May 1, '15. Forfeit, none. Plans and specifications filed.

FRAME BUILDING

(639) N COLLEGE AVE 142-5½ W Mission N 99-6 W 25-0¼ S 99-3 E 25. All work for two-story and garage frame building.
Owner.....Bernard F. Dolan.
Architect...None.
Contractor...Smith Bros., 56 Delano Ave., San Francisco.
Filed Feb. 27, '15. Dated Feb. 27, '15.
Progressive payments
TOTAL COST, \$1900
Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications filed.

FRAME APARTMENTS

(640) SW CALIFORNIA & STOCKTON S 68-9xW 117-6. Lath, plaster exterior cement work, metal lath of vent shafts, elevator shaft for three story and basement frame apartment building.
Owner.....Delmar Smith Clinton, Mill Valley, Cal.
Architect...Rousseau & Rousseau, 110 Sutter, San Francisco.
Contractor...Wm. G. Gilmour, 110 Jessie, San Francisco.

Filed Feb. 27, '15. Dated Feb. 24, '15.
Brown coated\$1500
Completed and accepted..... 1425
Usual 35 days..... 375
TOTAL COST, \$3900
Bond, none. Limit, as soon as possible
Forfeit, plans and specifications, none.

REFINERY BUILDING

(641) NE TWENTY-THIRD AND Louisiana. Install and put in place column bases and structural steel work for refinery building.
Owner.....Western Sugar Refining Co., 60 California, S. F.
Architect...None.
Contractor...Dyer Bros., Golden West Iron Works, 17th & Kansas San Francisco.

Filed Feb. 27, '15. Dated Feb. 26, '15.
30 per ton on arrival of steel at plant of contractor.....
\$6 per ton when fabricated steel delivered at site.....
\$6 per ton when frame erected
\$14.75 per ton 35 days after....
Said work to cost \$56.75 per ton;
TOTAL not to exceed \$180,000.
Bond, \$90,000. Surety, Hartford Accident & Indemnity Co. Limit, none. Forfeit, \$30. Plans and specifications filed.

INCORPORATIONS

Liquor Merchants Publishing Company. To do a printing, publishing and engraving business. Capital Stock, \$100,000; 100,000 shares at \$1 each; amount subscribed, \$3. Place of business, San Francisco. Directors—A. Crofton, C. E. Ward, E. J. Crofton, 1 share each.

Reed Estate Company. To deal in real estate. Capital Stock, \$25,000; 25,000 shares at \$1 each; amount subscribed, \$25,000. Place of business, San Francisco. Directors—C. W. Reed, L. M. Gamble, 1 share each; G. T. Reed 24,998 shares.

Darbee & Immel Cafe. General restaurant business. Capital Stock, \$15,000; 1500 shares at \$10 each; amount subscribed, \$30. Place of business, San Francisco. Directors—C. A. Russell, F. Fontes, C. W. Kelly, 1 share each.

The Valley Water Company. Cert. Copy. To develop water. Capital Stock, \$28,000; 280 share at \$100 each; amount subscribed, \$28,000. Place of business, Hanford, Cal. Directors—T. Guthrie, J. S. Robertson, 75 shares each; — Kauntze, J. A. and F. P. Hooper 35 shares each; V. M. Graham, W. H. H. Hart, 30 shares each.

National Pure Water Company. To purify water, fruit and vegetable juices, milk and other liquids. Capital Stock, \$300,000; 30,000 shares at \$10 each; amount subscribed, \$50. Place of business, San Francisco. Directors—W. C. Ralston, A. R. McCreary, H. L. Cheatham, L. O'Neil and L. Van Orden 1 share each.

LEASES.

Feb. 19, 1915—W WEBSTER 100 N Lombard N 37-6xW 137-6. Salemma M Patterson to J F B, F A and W J Ferry (as Ferry Bros). 3 years. \$2,700.
Feb. 19, 1915—NOS. 934-944 LARKIN. Moses Stern to F Patek Co. 5 years. \$150 per month.

Feb. 23, 1915—NW TWENTY-FOURTH and Howard N 30xW 100. Jeannette Preston to G. Cunfermann. 5 years. \$4500.
Feb. 23, 1915—NO. 3255 PIERCE. Guiseppe Pera to A Moroni & Co. 11 months. \$1650.
Feb. 23, 1915—PTN. NO. 127 ELLIS. Shanley-Furness Co to Jeannette Pirie. 5 years., \$40 per month.
Feb. 25, 1915—NOS. 1451, 1453, 1455 Devisadero. Matthias Deidrich Meyer to Fred W Meyer. 15 years. \$18,000.
Feb. 25, 1915—W LARKIN, being No. 813. P J Gartland to Maragos & Max Dimos. 3 years. \$4320.

NOTICE OF NON-RESPONSIBILITY.

Feb. 24, 1915—NE LOMBARD AND Fillmore N 60xE 110. C R Davis as to improvements on leased property
Feb. 26, 1915—E LAGUNA 112-6 N Lombard N 25xE 81-3. Gustave Lachman and H H Sattler as to improvements on leased property...
Feb. 26, 1915—CLIFF HOUSE Ptn of Cliff House stable and lands lying south of Cliff House. Est Adolph Sutro, dec'd as to improvements on leased property
Feb. 19, 1915—N LOMBARD 137-6 W Webster W 55xN 137-6. H L Hatch as to improvements on leased property
Feb. 19, 1915—E FILLMORE 85-6 N Greenwich N 34-6xE 53. Emma Blucher as to improvements on leased property
Feb. 19, 1915—COM. 192-6 W Webster and 92-6 N Lombard N 45xW 26-6. Martin G Brandt as to improvements on leased property
Feb. 19, 1915—NW O'FARRELL AND Stockton N 137-6xW 137-6. Hyman Bros Co as to improvements on leased property

CO-PARTNERSHIP.

R. R. Wilson, B. G. Criswell, S. M. Chord, S. G. Mortland as Buena Vista Farms Company.
M. E. Levy, Jas. R. L. Quinn as The Merchants Collection Agency.
L. W. Martin as American Cigar Advertising Sales Co.
L. Constine as Martinez-Gonzales Cigar Company.
Walter Ralph Baker as M. C. Baker & Son.

DECREASE CAPITAL STOCK.

Sadler & Co., decreased from \$100,000 to \$10,000 of 1000 shares at \$10 each.

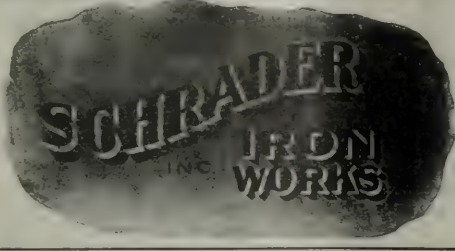
NOTICE OF NON-LIABILITY.

Feb. 23, 1915—S GIRARD & BURROWS SE 60xSW 30 Ptn Lot 1 Blk 12, University Mound. Sarah Weinstein as to improvements on leased property

COMPLETION NOTICES.

San Francisco

Feb. 18, 1915—N UNION 77-6 E Taylor E 25-9 — 128-9 W 25-9 S 128-9. Joseph Parente to Sarraillie & Lagomarsino.....Feb. 19, 1915
Feb. 19, 1915—E TWENTY-FIRST Ave 281 N California N 25xE 120,



Structural Steel Contractors

**Works at
HARRISON ST.,
bet. 8th & 9th
San Francisco**

Telephone Market 337

Emma L Frederique to W A SavageFeb. 10, 1915

Feb. 19, 1915—N CLEMENT 82-6 E 25th Ave E 25x100. P Fondecabe to Hantzsch & McKay.....Feb. 11, 1915

Feb. 19, 1915 NE TONQUIN AND Devisadero E 893.75xS 1275. Panama-Pacific International Exposition Co to Strehlow, Freese & Petersen.....Feb. 17, 1915

Feb. 19, 1915—S SACRAMENTO 87-6 W Scott W 50 S 127-8½ E 25 N 30 E 25 N 97-8½. Isador Rosenberg and Joseph Cahen to Wm Van Herrick, Lacey Bros, J Barman, American Elec Eng Co, I Epp, W P Fuller & Co, A E Smith, Pacific Mfg Co, The Hardwood Interior Co, Atlas Heating & Ventilating Co and Tony Damico.....Feb. 12, 1915

Feb. 19, 1915—W SHOTWELL 155 N 19th 120x122-6. Old Homestead Bakery to Central Iron Works.....Feb. 17, 1915

Feb. 19, 1915—N BERNARD 70-6 E Jones E 22xN60. Frederick Barriere to L Dioguardi.....Feb. 19, 1915

Feb. 23, 1915—W WEBSTER 150 N Jefferson W 65 N 260 E 150 S 260 W 85. Panama-Pacific International Exposition to Western Bldg & Eng Co.....Feb. 20, 1915

Feb. 23, 1915—EXPOSITION SITE. Panama-Pacific International Exposition to W A Plummer Mfg Co.....Feb. 17, 1915

Feb. 23, 1915—NE GEARY & POLK E 80xN 120. Cora Wallace Morton to Chas Wright.....Feb. 19, 1915

Feb. 23, 1915—SE NINETEENTH AV and Anza E 32-6xS 100. Robert J. Morton to John S Purcell.....Feb. 20, 1915

Feb. 23, 1915—EXPOSITION SITE. Supt. of Constr of Pennsylvania Bldg to Lange & Bergstrom.....Feb. 12, 1915

Feb. 23, 1915—EXPOSITION SITE. The Pacific Fruit Exchange to P N Schmidt.....Feb. 10, 1915

Feb. 23, 1915—W ELEVENTH AVE 125 N Fulton. P Algot Nelson to whom it may concern.....Feb. 23, 1915

Feb. 23, 1915—SW "R" & FORTY-eighth Ave S 310-9 W 35-4½ m or 1 N 313-9 m or 1 E 51-5½ m or 1. D F Roberts, Inc to Frank Neldick.....Feb. 1, 1915

Feb. 23, 1915—EXPOSITION SITE. John G Rapp for Seattle Brewing & Malting Co to Harry C Warwick.....Feb. 18, 1915

Feb. 24, 1915—NW TWENTY-4TH Ave and Balboa W 107-6xN 115-4. Pacific Gas & Elec Co to Forreder Cornice Works.....Feb. 15, 1915

Feb. 24, 1915—S TONQUIN 356.127 W Devisadero W 575 S 725 (Exposition Site). H J Heintz Co to Mann & Welsh.....Feb. 20, 1915

Feb. 24, 1915—EXPOSITION SITE. Southern Pacific Co to Dunnavant-

Houghton Van Sant Co.....Feb. 15, 1915

Feb. 24, 1915—EXPOSITION SITE. Postal Studio Co., Inc to Ira W Coburn, Inc.....Feb. 17, 1915

Feb. 24, 1915—S TWENTIETH 100 W Dolores W 30xS 114. L A Pfeiffer to whom it may concern.....Feb. 24, 1915

Feb. 24, 1915—W EMBARCADERO 137-6 S Market S 91-8xW 80. Ferry Imp Co, Lessees to Brandt & Stevens.....Feb. 9, 1915

Feb. 24, 1915—LOT 31 BLK 23 Crocker Amazon Tract. A F Kofahl to C L Knight.....Feb. 15, 1915

Feb. 25, 1915—EXPOSITION SITE. Dent H Robert, representing W R Hearst to M Holm & Son.....Feb. 19, '15

Feb. 25, 1915—EXPOSITION SITE. Austrian Concessions Co to McLeran & Peterson.....Feb. 24, 1915

Feb. 25, 1915—LOT 27 BLK 4 Crocker Amazon Tract. D Coffin & Co to whom it may concern.....Feb. 19, '15

Feb. 25, 1915—S GREENWICH 171-0½ E Hyde E 34-4½xS 137-6. Geo A Armes to C P Moore Bldg Co.....Feb. 25, 1915

Feb. 25, 1915—PACIFIC AVE NO. 3271 (rear). Katharine P Hooker to L M Zimmerman.....Feb. 23, 1915

Feb. 25, 1915—N ELLIS 87-6 E Mason E 50 m or 1 N 137-6 W 50 S 137-6. A O Stewart to Brandt & Stevens.....Feb. 18, 1915

Feb. 26, 1915—LOT 7 BLK 11 St. Francis Wood. Duncan-McDuffie to J S Gard, Feb. 17; C W Gubliner & Co, Feb. 18; The J Lewellyn Co.....Feb. 23, 1915

Feb. 26, 1915—SCOTT NO. 2504 N of Pacific Ave. Dorothy Ames Pond to Currie & Currie.....Feb. 17, 1915

Feb. 26, 1915—W SEVENTH AVE 155 S California S 75x120. Marietta Dyar to whom it may concern.....Feb. 26, 1915

Feb. 26, 1915—E SIXTEENTH AVE 25 N Balboa N 75x E 77-6. Emil Nelson to whom it may concern.....Feb. 26, 1915

Feb. 26, 1915—EXPOSITION SITE. H L Judell & Co to Dunnavant-Houghton-Van Sant.....Feb. 17, 1915

Feb. 26, 1915—EXPOSITION SITE. Iowa Commission to Panama-Pacific International Exposition Co to Thos Day Co, Jan. 23; R H Travers, Jan. 26; Malott & Peterson, Feb. 5; and W D Henderson.....Jan. 22, 1915

LIENS FILED

SAN FRANCISCO COUNTY.

Feb. 18, 1915—W FOURTH AVE 175 S Anza. W N Flaherty vs John F Haner and Mrs O'Connor.....\$158.85

Feb. 19, 1915—SW CLEMENT AND Third Ave S 70xW 30. M A Finnla vs Frank De Curtoni and J I

Mitrovich Bldg Co.....\$132

Feb. 19, 1915—LOTS 4 AND 5 BLK 3 Crocker Amazon Tract. The California Door Co, \$118.95; O'Brien & Metzler, \$400; C P Wilson, \$545; Leon Blum, \$300; W W Montague & Co, \$100 vs Vittorio Boicelli and J I Mitrovich Bldg Co.....\$168.80

Feb. 19, 1915—LOTS 4 AND 5 BLK 3 Crocker Amazon Tract. H Blendes vs Vittorio Boicelli, J I Mitrovich Bldg Co and O'Brien & Metzler.....\$294.70

Feb. 19, 1915—SW CLEMENT AND Third Ave S 70xW 30. California Door Co vs F De Curtoni and J I Mitrovich Bldg Co.....\$168.80

Feb. 19, 1915—LOTS 4 AND 5 BLK 3 Crocker Amazon Tract. W P Fuller & Co vs J I Mitrovich Bldg Co and Vittorio Boicelli.....\$310

Feb. 19, 1915—LOTS 4 AND 5 BLK 3 Crocker Amazon Tract. Columbia Lumber Co, \$1252.43; Kawneer Mfg Co, \$98 vs Vittorio Boicelli and J I Mitrovich Bldg Co.....\$255

Feb. 19, 1915—S McALLISTER 55 W Gough W 55xS 136-6. Schwarz & Gottlieb, \$175; Niels Jacobsen, \$255 vs Reuben and I N Cohen and B O Smith.....\$600

Feb. 19, 1915—N FRANCISCO 217 E Fillmore E 50xN 50.87. United Decorating Co vs H L Mains, Souvenir Watch Co and Panama-Pacific International Exposition Co.....\$600

Feb. 19, 1915—S McALLISTER 55 W Gough 55x77-6; Lot 26 new Blk 784 E Anderson vs Ruben Cohen & B O Smith.....\$60

Feb. 19, 1915—LOTS 4 AND 5 BLK 3, Crocker Amazon Tract. Acme Lumber Co, \$267.47; Mission Marble Works, \$180; Tony Damico, \$170; Dean Reversible Window Co, \$56.45 vs J I Mitrovich Bldg Co and Vittorio Boicelli and John Doe.....\$37.50

Feb. 19, 1915—SW THIRD AVE AND Clement S 70xW 30. Acme Lumber Co, \$187.70; Dean Reversible Window Co, \$22.30 vs F De Curtoni and J I Mitrovich Bldg Co.....\$92.95

Feb. 23, 1915—NW POST & STOCKTON N 132-6xW 137-6. Western Furnace & Cornice Co, \$1897; Kierman & O'Brien, \$1745.50 vs Blanche M Burbank.....\$507.75

Feb. 23, 1915—SW THIRD AVE AND Clement W 30xS 70. J J Delucchi vs Frank De Curtoni and J I Mitrovich Bldg Co.....\$27.50

Feb. 23, 1915—SW THIRD AVE AND Clement S 70xW 30. E E Gillon vs J I Mitrovich Bldg Co and Frank De Curtoni.....\$130

Feb. 23, 1915—SE DRAKE AND 26th Ave. James Christensen vs Mrs Amelia Gartner and H W Esert.....\$130

Feb. 24, 1915—NW POST & STOCKTON N 137-6xW 137-6. California Plate & Window Glass Co vs Blanche M Burbank.....\$140

Feb. 24, 1915—SW CLEMENT AND Third Ave S 70x30. S Ginsberg & Co vs Frank De Curtoni and J I Mitrovich Bldg Co.....\$140

Feb. 24, 1915—N CALIFORNIA 32 W Larkin W 27-6xN 87. New Era Marble & Concrete Co vs Otto Carson & Co and I R Kissel.....\$140

Feb. 25, 1915—S McALLISTER 55 W Gough S 120xW 55. Mallot & Peterson vs Ruben and I N Cohen and B O Smith.....\$140

Feb. 25, 1915—S McALLISTER 55 W

Gough W 55xS 137-6. Reinhart Lumber & Planing Mill Co vs Reuben Cohen and B O Smith. \$409.98
b. 26, 1915—NW TURK & LEAVENWORTH N 80xW 40. Siebert Co vs M A Samuel, Samuel Hotel Co and Wm F Roeder. \$130

RELEASE OF L.L.'S

SAN FRANCISCO COUNTY.

b. 18, 1915—E STOCKTON 30 N Filbert N 25 E 95-6 S 55 W 25 N 30 W 70-6. Eureka Sash, Door & Moulding Mills to Pietro Lombardi, Olivo Riccomini and Antonio Loncone
b. 19, 1915—N LAKE 90 19th Ave. W 30xN 100. Reinhart Lumber & Planing Mill Co to Milton Ellis and Roberts & Woolfrey
b. 23, 1915—W FORTY-EIGHTH Ave 250 S Irving S 75xW 120. A Consani and Columbia Lumber Co to Ida M Cambridge and Geo V McCausland
b. 23, 1915—W FORTY-EIGHTH Ave 250 S Irving S 75xW 120; N Judah 157-6 E 48th Ave E 50xN 100. J H Kruse to Ida M Cambridge and Geo V McCausland
b. 26, 1915—E STOCKTON 30 N Filbert N 25 E 95-6 S 55 W 25 N 30 W 70-6. Mark Lally Co to P Lombardi, Antonio Loncone, C Marchi and Olive Riccomini

OAKLAND AND ALAMEDA COUNTY.

RESIDENCE — 1 story and base, frame, \$3,000. Oakland, Cal. Architect, none. Owner, Paul E. Woodburn, 5 Greenwood avenue, Oakland. The dwelling will be erected on Greenwood avenue near Brighton, and has been designed to contain six rooms and a bath. Interior will be finished in pine and redwood with some white enamel. Hardwood floors will be used in the living room, dining room and reception hall. There will be furnace heat and open fire place. Mantel will be of brick. Tile wainscot will be used in the bath room. An automatic water heater will be installed. Exterior of dwelling will be covered with rusted and cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor.

RESIDENCE — 2 story and base, frame, \$5,000. Berkeley, Alameda Co., Cal. Architect, none. Owner, E. B. Tyler, 715 Oxford street, Berkeley. The dwelling has been designed for an eight-room house and will be erected on Mendocino avenue. Interior will be finished in pine and redwood. Hardwood floors will be used in the principal rooms. Plans provide for furnace heat and open fire places. Mantels will be of tile and brick. Bath room will have tile wainscot. Exterior of the house will be covered with cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor. Materials are now being purchased.

RESIDENCE — 2 story and base, frame, \$5,000. Berkeley, Alameda Co., Cal. Architect, Olin S. Grove, 2911 Telegraph avenue, Berkeley. Owner, T. Bright. The dwelling has been designed for an eight-room house with two baths and sleeping porch,

and will be erected on Woolsey street. Interior will be finished largely in pine with some hardwood veneer. Hardwood floors will be used in the living room, dining room and reception hall. There will be furnace heat and open fire places. Mantels will be of tile and stone. A hot water circulating system will be installed. Bath room will have tile wainscot. Exterior of the house will be covered with cement plaster. Plans are complete and figures are now being taken.

RESIDENCE — 2 story and base, frame, \$4,500. Oakland, Cal. Architect, Charles W. McCall, Central Bank Bldg., Oakland. Owner's name withheld. The dwelling will be erected on Lake Shore avenue and has been designed for a seven-room house with two baths and sleeping porch. Interior finish will be of pine and hardwood veneer. Hardwood floors will be used in the principal rooms. There will be furnace heat and open fire places. Mantels will be of tile and brick. Bath room will have tile floor and wainscot. An automatic water heater will be installed. Exterior of the house will be covered with cement plaster on metal lath. Plans are now being prepared.

RESIDENCE — 2 story and base, frame, \$6,500. Oakland, Cal. Architect, Charles W. McCall, Central Bank Bldg., Oakland. Owner's name withheld. The dwelling has been designed for an eight-room house with two baths and sleeping porch, and will be erected on Mandana Boulevard. Interior finish will be of pine and hardwood with some white enamel in the bed rooms. Plans provide for furnace heat and open fire places. Mantels will be of tile and brick. A hot water circulating system will be installed. Bath rooms will be finished in tile. Exterior of the house will be covered with cement plaster. A clay tile roof will be used. Plans are now being prepared.

RESIDENCE — 2 story and base, frame, \$4,000. Berkeley, Alameda Co., Cal. Architect, H. H. Gutterson, 80 Post street, S. F. Owner, A. J. Hamilton. The dwelling has been designed for an eight-room house with two baths and sleeping porch and will be erected on property in Northbrae. Interior will be finished in pine and redwood while the bed rooms will have tile enamel finish. Hardwood floors will be used in the living and dining rooms and reception hall. Plans provide for furnace heat and open fire places. Mantels will be of brick and tile. An automatic water heater will be installed. Bath rooms will be finished in tile. Exterior of the house will be covered with cement plaster on metal lath. Plans are complete and figures are being taken.

RESIDENCE — 2 story and base, frame, \$8,500. Piedmont, Alameda Co., Cal. Architect, H. H. Gutterson, 80 Post street, S. F. Owners, Wickham Havens Co. The dwelling has been designed for an eight-room house with two baths and sleeping porch. A separate garage will be erected on the property. Interior of the dwelling will be finished in pine and hardwood. Bed rooms will be finished in white enamel. Hardwood floors will be used throughout the lower floor. Plans provide for furnace heat, open fire places and a hot water circulating system.

Bath rooms will have tile floors and wainscot and will be equipped with showers. Exterior of the dwelling will be covered with cement plaster on metal lath. A clay tile roof will be used. Plans are nearly complete and figures will be called for in about a week.

APARTMENT HOUSE—3 story and base, frame, \$18,000. Berkeley, Alameda Co., Cal. Architect, G. B. Hollenbeck, Thomson Bldg., Oakland. Owner, Mr. Clayton. The building will be erected on Claremont avenue near Russell, and has been designed to contain a number of three and four room suites with wall beds and private bath rooms. Interiors will be finished in pine and redwood with some hardwood veneer and hardwood floors. There will be steam heat, a hot water system and vacuum cleaning. Bath rooms will be finished in tile. Exterior of the building will be covered with cement plaster on metal lath. Plans are complete and figures are now being taken.

APARTMENT HOUSE—3 story and base, brick and frame, \$36,000. Oakland, Cal. Architect, Charles W. McCall, Central Bank Bldg., Oakland. Owner's name withheld. The building will be erected on Alice street and has been designed in the Spanish style with a large patio court. There will be a large number of two, three and four room suites, all of which will have private baths and will be equipped with wall beds. Interiors will be finished in pine and hardwood. Hardwood floors will be used in the living and dining rooms. Plans provide for steam heat, a hot water system and vacuum cleaning. Bath rooms will be finished in tile. Besides the suites plans provide for a large amusement room. Exterior of the building will be faced with pressed brick and cement plaster on metal lath. Plans are being prepared.

HOTEL—3 story and base, frame, \$15,000. Oakland, Cal. Architect, A. W. Smith, 1010 Broadway, Oakland. Owner, Edward Olsen. The building will be erected on the south side of 8th street east of Jefferson, and will contain 44 guest rooms and a number of public baths. Interior finish will be of pine and redwood. There will be a central heating system and hot water supply. Tile wainscot and composition floors will be used in the bath rooms. Exterior of the building will be covered with rustic. Plans are complete and in the hands of the owner who will do the work by Day Labor. Materials are now being purchased.

RESIDENCE — 1 story and base, frame, \$2,000. Berkeley, Alameda Co., Cal. Architects, Elite Planners, 1844 5th avenue, Oakland. Owner, H. C. Davis. The dwelling will be erected in Northbrae, and has been designed for a five-room house with bath and sleeping porch. Interior will be finished in pine and redwood. Hardwood floors will be used in the living and dining rooms. There will be a large open fire place and tile or brick mantel. Bath room will be finished in tile. An automatic water heater will be installed. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are complete and the work will be done by Day Labor.

SCHOOL WALKS AND DRIVES — Cost not stated. Berkeley, Alameda Co., Cal. Architect, State Architect George B. McDougall, Sacramento. Owners, State of California. Plans are complete and figures are being taken for constructing walks and drives at the Industrial Home for the Adult Blind at Berkeley. Bids will be opened in Sacramento on March 15th. Plans and specifications can be secured from the State Department of Engineering.

SCHOOL PLUMBING, ETC. — Cost not stated. Oakland, Cal. Architect, J. J. Donovan, Security Bank Bldg., Oakland. Owners, City of Oakland. Plans are complete and figures are now being taken for installing show-ers and other plumbing work and sheet metal work in the gymnasium at the Fremont School. Bids will be opened on March 9th. Plans and specifications can be had from the office of the Secretary of the Oakland Board of Education.

Building Contracts Awarded.

Oakland.

No.	Owner.	Contractor	Amt.
253	Compliano ..	Compomenosi	450
254	Same	Same	2750
256	Baker	Hambleton	2500
257	Gear	Leiter	1000
259	Sutton	Trow	400
260	McGuinness ..	Owner	3000
261	Montgomery ..	Montgomery	1950
262	Rogers	Rogers	1600
263	Strang	Strang	2000
264	Bischoff	Bischoff	2000
265	Woodard	McPhee	3000
266	Coit	Coit	3000
267	Bishop	MacIntyre	3500
268	United Elec.	Johnson	7500
269	Cherry	Nelson	5632
270	Hahn .. Bay City Cabinet		1250
271	Spencer	Spencer	400
275	McFarland	McFarland	400
277	Joyce	Huribut	2000
278	Hale	Knight	700
279	Woodburn	Woodburn	3000
280	Lancaster	Woodburn	400
281	Okd Turn Verein...	Knopf	5500
282	Ornstein	Self	1000
283	Olsen	Olsen	15000
284	Kellar	Holmes	4000
285	Robrecht	Klein	2000
289	Security Inv. Sommarstrom		65000
290	Meyers	Peacock	1400
295	White	Davis	500
296	Salinger	Angell	400
297	Assoc. Oil	Owner	500
298	Cuneo	Crow	400
300	Maasberg	Owner	2500
301	Butler	Butler	2500
304	Mazzola	Mazzola	1800
305	Hawley	Hawley	400
306	Dusenbury	MacKenzie	450
307	Nash	Strang	2000
308	Reid	United Bldrs	6716

GARAGE

(253) S CLIFTON 80 E Miles Ave., Oakland. Garage.	
Owner.....A. Compiano, 5166 Miles Ave., Oakland.	
Architect...None.	
Contractor...E. Compomenosi, 5174 Miles Ave., Oakland.	
	COST, \$450

DWELLING

(254) SE CLIFTON AND MILES AVE., Oakland. One-story 7-room dwlg.	
Owner.....A. Compiano, 5166 Miles Ave., Oakland.	
Architect...None.	
Contractor...E. Compomenosi, 5174 Miles Ave., Oakland.	
	COST, \$2750

DWELLING

(255) W HADDON ROAD 30 S Brooklyn, Oakland. One-story five-room dwelling.	
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Owner.....R. D. Baker Jr., 444 11th, Oakland.	
Architect...None.	
Contractor...Fred Hambleton, 573 43rd, Oakland.	
	COST, \$2500

ALTERATIONS

(257) SW TWENTY-THIRD AND Broadway, Oakland. Alterations.	
Owner.....L. S. Gear, 215 Santa Clara Ave., Oakland.	
Architect...None.	
Contractor...E. T. Leiter & Sons, 3601 West, Oakland.	
	COST, \$1000

ALTERATIONS

(259) NO. 535 OAKLAND AVE., Oakland. Alterations.	
Owner.....Chas. Sutton, Premises.	
Architect...None.	
Contractor...Chas. L. Trow, 835 38th, Oakland.	
	COST, \$400

DWELLING

(260) N PARK BOULEVARD 131 E Greenwood Ave., Oakland. One-story 7-room dwelling.	
Owner.....James McGuinness, 5615 E-16th, Oakland.	
Architect...None.	
Day's work.	COST, \$3000

DWELLING

(261) S RICH 480 W Webster, Oakland. One-story 5-room dwelling.	
Owner.....W. S. Montgomery, 2321 Ward, Berkeley.	
Architect...None.	
Day's work.	COST, \$1950

DWELLING

(262) NO. 381 WISCONSIN, Oakland. One-story 5-room dwelling.	
Owner.....Mrs. Wm. N. Rogers, Prem	
Architect...None.	
Day's work.	COST, \$1600

DWELLING

(263) SW E-THIRTY-EIGHTH AND Elston Ave., Oakland. One-story 5-room dwelling.	
Owner.....V. N. Strang, 1521 9th, Alameda.	
Architect...None.	
Day's work.	COST, \$2000

DWELLING

(264) S SIXTY-THIRD 200 E Hille-gass, Oakland. One-story 6-room dwelling.	
Owner.....John A. Bischoff, 6045 Harwood Ave., Oakland.	
Architect...None.	
Day's work.	COST, \$2000
ALTERATIONS	
(265) NO. 1216 CLAY, Oakland. Alter Foresters' Hall.	
Owner.....F. J. Woodard, Oakland Bank of Savings Bldg., Oakland.	
Architect...None.	
Contractor...A. J. McPhee, 2144 E-27th, Oakland.	
	COST, \$3000

DWELLING

(266) S EXCELSIOR 200 W Wesley Ave., Oakland. Two-story 7-room dwelling.	
Owner.....C. B. Coit, 14th & Harrison, Oakland.	
Architect...None.	
Contractor...Roger Coit, 14th & Harrison, Oakland.	
	COST, \$3000

STUDIO AND STORE ROOM	
(267) W JACKSON 400 N 14th, Oakland. One-story studio and store room.	
Owner.....H. W. Bishop, Ye Liberty Theatre, Oakland.	
Architect...None.	
Contractor...P. G. MacIntyre, 335 34th Oakland.	
	COST, \$3500

CHANGING STATION, ETC.

(268) E BROADWAY 200 N 26th, Oakland. One-story brick changing station and sales room.	
Owner.....United Elec. Vehicle Co., 3304 Telegraph Ave., Okd.	
Architect...None.	
Contractor...Beo O. Johnson & Sons, 2014 E-30th, Oakland.	
	COST, \$7500

FRAME DWELLING

(269) LOT 36 BLK 8 Rockridge Park, Oakland. All work for two-story and basement eight-room frame dwelling.	
Owner.....C. S. Cherry, 528 13th, Okd.	
Architect...John Hudson Thomas, 1st National Bank Bldg., Bkly	
Contractor...Nelson & Carlson, Bkly.	
Filed Feb. 19, '15. Dated Feb. 16, '15.	
Frame up	\$1408.00
Brown coated	1408.00
Completed and accepted.....	1408.00
Usual 35 days.....	1408.55
TOTAL COST,	\$5632.55
Bond, \$2817. Surety, Maryland Casualty Co. Limit, 120 days. Forfeit, none. Plans and specifications filed.	

ALTERATIONS

(270) NO. 1423 BROADWAY, Oakland Alterations.	
Owner.....J. Hahn, Premises.	
Architect...None.	
Contractor...Bay City Cabinet Co., 1080 5th, Oakland.	
	COST, \$1250

ALTERATIONS

(271) NO. 5832 DOVER, Oakland. Alterations.	
Owner.....G. W. Spencer, 937 Magnolia, Oakland.	
Architect...None.	
Day's work.	COST, \$400

DWELLING

(275) W MORCOM 25 N Magnolia Ave., Oakland. One-story two-room dwelling.	
Owner.....Mrs. L. McFarland, R. F. D. Box 172, Oakland.	
Architect...None.	
Day's work.	COST, \$400

DWELLING

(277) N ¼ LOT 47 AND LOT 46, Stone Orchard Tract, Oakland. All work for one-story 5-room dwelling.	
Owner.....W. J. Joyce, San Francisco	
Architect...None.	
Contractor...C. B. Huriburt, 9318 "B," Oakland.	
Filed Feb. 23, '15. Dated Feb. 6, '15.	
Frame up	¼
Brown coated	¼
Completed and accepted.....	¼
Usual 35 days.....	¼
TOTAL COST,	\$2000
Bond, \$1000. Surety, Pacific Coast Casualty Co. Limit, 90 days. Forfeit, \$2. Plans and specifications filed,	

ALTERATIONS

(278) W WASHINGTON 50 S 11th, Oakland. Alterations.
Owner.....Hale Bros., Premises.
Architect...None.
Contractor..F. W. Knight, 557 22nd, Oakland.
COST, \$700

DWELLING

(279) E GREENWOOD 50 S Brighton Ave., Oakland. One-story six-room dwelling.
Owner.....Paul E. Woodburn, 3965 Greenwood Ave., Oakland
Architect...None.
Day's work. COST, \$3000

ADDITION

(280) NO. 3961 GREENWOOD AVE., Oakland. Addition.
Owner.....W. J. Lancaster, Premises
Architect...None.
Contractor..P. E. Woodburn, 3965 Greenwood Ave., Okd.
COST, \$400

FRAME STORES

(281) E WEBSTER 100 S Seventh, Oakland. One-story frame stores.
Owner.....Oakland Turn Verein, 662 Webster, Oakland.
Architect...E. A. Neumarkel, 521 Sharon Bldg., S. F.
Contractor..J. T. Knopf, 124 Mesa Ave., Piedmont.
COST, \$5500

DWELLING

(282) NO. 1011-13 LINDEN, Oakland. Two-story 4-room dwelling.
Owner.....A. Ornstein, Premises.
Architect...None.
Contractor..L. B. Self, 356 24th, Okd.
COST, \$1000

ROOMING HOUSE

(283) S EIGHTH 75 E Jefferson, Oakland. Three-story 44-room rooming house.
Owner.....Edward Olsen, 977 Bay View, Oakland.
Architect...A. W. Smith, 1010 Broadway, Oakland.
Day's work. COST, \$15,000

DWELLING

(284) W HADDON ROAD 250 S Brooklyn, Oakland. Two-story 8-room dwelling.
Owner.....Mrs. Sara Kellar, Okd.
Architect...None.
Contractor..A. S. Holmes, 417 Dalziel Bldg., Oakland.
COST, \$4000

DWELLING

(285) NE SIXTY-FIRST AND CANNING, Oakland. One-story 6-room dwelling.
Owner.....George A. Robrecht, 5965 Canning, Oakland.
Architect...None.
Contractor..Matthew Klein, 5913 Canning, Oakland.
COST, \$2000

BRICK APARTMENTS

(289) E ALICE 530 S 19th, Oakland. Four-story brick apartments.
Owner.....Security Invst. Co., 290 Lee Oakland.
Architect...Clay N. Burrell, Albany Block, Oakland.
Contractor..Edw. Sommarstrom, 202 E-12th, Oakland.
COST, \$65,000

DWELLING

(290) NW FREDERICK & KENNEDY Oakland. One-story 4-room dwlg.
Owner.....J. S. Meyers, 13th and Webster, Oakland.
Architect...A. W. Smith, 1010 Broadway, Oakland.
Contractor..T. I. Peacock, 55 8th, Okd.
COST, \$1400

ALTERATIONS

(295) NO. 460 SEVENTH, Oakland. Alterations.
Owner.....G. N. White, Premises.
Architect...None.
Contractor..A. L. Davis, 2626 Union, Oakland.
COST, \$500

ALTERATIONS

(296) SW ELEVENTH AND WASHINGTON, Oakland. Alterations.
Owner.....A. Salinger.
Architect...None.
Contractor..E. R. Angell, 6443 Colby, Oakland.
COST, \$400

CONCRETE SERVICE STATION

(297) NE BROADWAY AND WATER, Oakland. Reinforced concrete service station.
Owner.....Associated Oil Co., Sharon Bldg., San Francisco.
Architect...None.
Day's work. COST, \$500

ALTERATIONS

(298) NO. 5545 TELEGRAPH AVE., Oakland. Alterations.
Owner.....Cuneo Bros., Premises.
Architect...None.
Contractor..J. W. Crow.
COST, \$400

DWELLING

(300) E BRIGHTON AVE 120 N E-38th, Oakland. One-story 6-room dwelling.
Owner.....E. Maasberg, 3915 Greenwood Ave., Oakland.
Architect...None.
Day's work. COST, \$2500

DWELLING

(301) N-GLENDALE AVE 40 W Desmond, Oakland. One-story 7-room dwelling.
Owner.....H. S. Butler, 5349 Manila Ave., Oakland.
Architect...None.
Day's work. COST, \$2500

FRAME DWELLING

(304) N FORTY-SECOND 240 E Market, Oakland. Two-story 8-room frame dwelling.
Owner.....Toreno Mazzola, 865 43d, Oakland.
Architect...None.
Day's work. COST, \$1800

GARAGE

(305) NW LEE AND JAYNE, Oakland. Garage.
Owner.....M. J. Hawley, 268 Lee, Oakland.
Architect...None.
Day's work. COST, \$400

REPAIRS

(306) SE EIGHTH AND MARKET, Oakland. Roof repairs.
Owner.....J. R. Dusenbury, 1540 Adeline, Oakland.
Architect...None.

Contractor..J. R. D. MacKenzie, 431 15th, Oakland.
COST, \$450

DWELLING

(307) N HAMPEL 280 E Elston, Oakland. One-story 5-room dwelling.
Owner.....Jay Nash, 2324 Mitchell, Oakland.
Architect...None.
Contractor..F. N. Strang, 805 Pacific Ave., Alameda.
COST, \$2000

DWELLING

(308) S MONTE VISTA AVE 150 W Walsworth Ave., Oakland. Two-story 9-room dwelling.
Owner.....Mary T. Reid.
Architect...None.
Contractor..United Home Builders, 1762 Broadway, Oakland.
COST, \$6716

Building Contracts Awarded.

Berkeley.

No.	Owner	Contractor	Amt.
252	Hough	Engler	1900
255	Scudder	Chambers	2000
258	Peake	Bailey	2000
272	Ditzler	Kollmer	725
273	Dabney	Dabney	400
274	Nevin	Staria	500
276	Dutton	Kollmer	8775
286	Beman	Junk	500
287	Key	Healy	5250
288	Lewis	Mosher	5300
291	Winchell	Welch	800
292	Fowler	Bullock	400
293	Tiermann	Rose	400
294	Wright	Metz	475
299	Spitler	Spitler	4550
302	Dabney	Dabney	400
303	Ala Co.	Bldr's Butterfield	3000

DWELLING

(252) W BONITA AVE 402 N Berryman, Berkeley. One-story 5-room dwelling.
Owner.....W. A. Hough, 2323 Dana, Berkeley.
Architect...None.
Contractor..Louis Engler, 2721 Haste, Berkeley.
COST, \$1900

DWELLING

(250) N PARKER 80 E Mabel, Berkeley. One-story 5-room dwlg.
Owner.....D. P. Scudder, 4160 Terrace Oakland.
Architect...None.
Contractor..J. F. Chambers, Plaza Bldg., Oakland.
COST, \$2000

DWELLING

(258) W COLUSA 115 S Joseph, Berkeley. One-story 6-room dwelling.
Owner.....F. R. Peake Co., 2127 University Ave., Berkeley.
Architect...None.
Contractor..Fred E. Bailey, 1536 Delaware, Bkly. and C. G. Betz, 1803 Carlton, Berkeley.
COST, \$2000

GARAGE

(272) NO. 134 PARK SIDE DRIVE, Berkeley. Garage.
Owner.....F. L. Ditzler, Premises.
Architect...None.
Contractor..Jacob Kollmer, 2753 Piedmont Ave., Berkeley.
COST, \$725

REPAIRS AND ALTERATIONS

(273) S WEBSTER 400 E College, Berkeley. Repairs and alterations.

Owner.....L. Dabney, 2730 Webster, Berkeley.
 Architect...None.
 Day's work. COST, \$400

ALTERATIONS

(274) SW GROVE AND PRINCE, Berkeley. Alterations and additions.
 Owner.....P. M. Nevin, San Leandro.
 Architect...None.
 Contractor..A. Staria, San Leandro.
 COST, \$500

DWELLING

(276) NE TUNNEL ROAD & BRIDGE Road, Berkeley. Two-story 7-room dwelling.
 Owner.....Charles M. Dutton, NW. Cor. Piedmont and Parker, Berkeley.
 Architect...H. H. Gutterson, 80 Post, San Francisco.
 Contractor..Jacob Kollmer, 2753 Piedmont Ave., Berkeley.
 COST, \$8775

REPAIRS

(286) NO. 2623 HILGARD, Berkeley. Repairs.
 Owner.....Mrs. S. S. Beman, Prem.
 Architect...None.
 Contractor..Junk-Riddell Co., 2247 Telegraph Ave., Berkeley.
 COST, \$500

DOLPHINS, ETC.

(287) EASTWARD PIER TERMINAL Station, San Francisco Bay. 13 mooring dolphins and driving 2 std. piles.
 Owner.....San Francisco Oakland Terminal Railway, 22nd & Grove, Oakland.
 Architect...None.
 Contractor..Healy-Tibbitts Constr. Co., 9 Main, San Francisco.
 Filed Feb. 19, '15. Dated Feb. 13, '15.
 20th day of each month..... 75%
 40 days after completion and acceptance 25%
 TOTAL COST, \$5250

Bond, \$3000. Surety, Hartford Accident & Indemnity Co. Limit 30 days. Forfeit none. Plans and specifications, none.

FRAME APARTMENTS

(288) NW JOSEPHINE AND VINE W 45xN 100, Berkeley. All work for two-story frame apartment house.
 Owner.....F. W. and Cora M. Lewis, 2540 Milvia, Berkeley.
 Architect...None.
 Contractor..Fred Mosher, 2539 Milvia, Berkeley.
 Filed Feb. 23, '15. Dated Feb. 18, '15.
 \$50 a month or more beginning at completion and acceptance..

TOTAL COST, \$5300

Bond, none. Limit, 200 days after Feb. 15. Forfeit, none. Plans and specifications filed.

DWELLING

(291) S FAIRVIEW 75 E California, Berkeley. One-story 4-room dwlg.
 Owner.....Mrs. A. R. Winchell, 1603 Fairview, Berkeley
 Architect...None.
 Contractor..Welch & Rogers, 3603 Kingsley, Berkeley.
 COST, \$800

REPAIRS

(292) NO. 1106 CHANNING WAY, Berkeley. Fire repairs.
 Owner.....Dellah M. Fowler, Prem.
 Architect...None.

Contractor..A. F. Bullock, 2215 Santa Rita, Oakland.
 COST, \$400

TANK FRAME

(293) SECOND AND HARRISON, Berkeley. Tank frame.
 Owner.....C. S. Tiernann, Keystone Hotel, San Francisco.
 Architect...None.
 Contractor..F. F. Rose & Co., 2005 San Jose Ave., Alameda.
 COST, \$400

BRICK OVEN

(294) W SHATTUCK AVE 50 N Addison, Berkeley. Brick oven.
 Owner.....J. J. Wright, 2001 Francisco, Berkeley.
 Architect...None.
 Contractor..Paul Metz, 2129 Roosevelt Ave., Berkeley.
 COST, \$475

DWELLING

(299) E MENDOCINO 300 N The Circle Berkeley. Two-story 8-room dwlg.
 Owner.....E. B. Spittler, 815 Oxford, Berkeley.
 Architect...None.
 Day's work. COST, \$4550

ADDITION

(302) NO. 2730 WEBSTER, Berkeley. Addition.
 Owner.....Lena Dabney, 2770 Webster, Berkeley.
 Architect...None.
 Contractor..Jacob Kollmer, 2753 Piedmont Ave., Berkeley.
 COST, \$400

DWELLING

(303) W AMADOR 300 E S. P. Tracks Berkeley. One-story 5-room dwlg.
 Owner.....Alameda County Home Bldrs., 1st National Bank Bldg., Berkeley.
 Architect...W. H. Ratcliff Jr., 1st National Bank Bldg., Bkly.
 Contractor..F. P. Butterfield, Rust.
 COST, \$3000

COMPLETION NOTICES.

ALAMEDA COUNTY

Feb. 19, 1915—PTN LOT 28 BLK 6, lying e in parallel Lot 28 dist r a 10 W; Ptn Lot 29 Blk 6 lying E line parallel Lot 29 dist r a 10 W, Okd. Alfred J Hopper to whom it may concern.....Feb. 16, 1915
 Feb. 19, 1915—CENTER 100 E Shattuck Ave, Bkly. A A Fink by James W Plachek to Jones & McGovern.....Feb. 15, 1915
 Feb. 19, 1915—NW COR TWENTY-eighth and Webster 100x150, Okd. First Hebrew Congregation to Giovenone & Wicks, Joseph Wicks and H Burchell.....Feb. 13, 1915
 Feb. 23, 1915—E PERALTA AVE 90 N Marin Ave, Albany. J S Killam to whom it may concern..Feb. 19, '15
 Feb. 25, 1915—NE KENWYN ROAD and Beacon, Okd. D W Kirkland to R Glaze.....Feb. 16, 1915
 Feb. 25, 1915—SECTION "H," Holy Sepulchre Cemetery on Niles Road H J and Jeanne Marie Calou to H U Realini.....Feb. 21, 1915
 Feb. 26, 1915—W McGEE 100 N Delaware, Bkly. Peter Rasmussen by C Johnson to C Johnson.....Feb. 25, 1915

LIENS FILED.

ALAMEDA COUNTY.

Feb. 17, 1915—LOT 12 BLK 14 Map Town of Livermore, Livermore. Horton & Kennedy, \$32.80; H W Morrill and H Walters (Morrill & Walter), \$259; Livermore Hardware Co, \$360.25; Eric Petersen, \$249.07; P Flanagan, \$57.10 vs Court Livermore No. 77, Foresters of America of Grand Lodge of California, Archer M Bowles, F A Lassen, M S Worden and John J Callaghan, Trustees said Court of Livermore and C H Rasmussen...
 Feb. 19, 1915—NW BARTLETT AND Deering N 200xW 125, Okd. Wm P Goss vs Oakland Homes Corporation, George Peck, and Arthur W Draper (Peck & Draper) and John and Richard Doe.....\$22
 Feb. 19, 1915—SE HILLSDALE AVE 372.29 SW Foothill Road SW 80 SE 153.116 NE 80.08 NW 156.648, Okd. Swift & Wilcox vs Delia T O'Donnell, Torrence S Peterson and D S Childers\$8

RELEASE OF LIENS

ALAMEDA COUNTY.

Feb. 25, 1915—NE E-FOURTEENTH 83.4 SE 2nd Ave SE 33.4xNE 120, Okd. J A Larson to Angelica Ralston\$21
 Feb. 23, 1915—LOTS 5 AND 6 BLK 37 Map Town of Livermore, Livermore. Pacific Mfg Co to J C McKown\$289.7
 Feb. 19, 1915—LOT 63 and N 10 Lot 64 Map Northside Park, Bkly. S Jorgensen to Honora and C A Doyle\$2
 Feb. 17, 1915—SE TELEGRAPH AND Durant Aves 90x100, Bkly. Pacific Mfg Co to Reinhart Lumber & Planing Mill Co et al.....\$1518.2

SAN JOSE AND THE SANTA CLARA VALLEY.

RESIDENCE — 2 story and basement frame. Cost not stated. Los Altos Santa Clara Co., Cal. Architect, John Hudson Thomas, First National Bank Bldg., Berkeley. Owner, Edward McCutchen. The dwelling has been designed for a country home and will contain eleven rooms, several bath sleeping porches and a separate garage. Interior will be finished in pine and redwood with some hardwood and white enamel. Hardwood floors will be used in the principal rooms. There will be furnace heat and open fireplaces. Mantels will be of tile and brick. A hot water circulating system and vacuum cleaning will be installed. Bath rooms will be finished in tile. Exterior of the house and garage will be covered with cement plaster on metal lath. A clay tile roof will be used. Plans are complete and figures are being taken.

COMPLETION NOTICES

SAN MATEO COUNTY.

RECORDED ACCEPTED
 Feb. 18, 1915—LOT 3 BLK 7 SUB A, Wellesley Park, Albert J and Flora A Martens to Daly & Mac-

KenzieDec. 19, 1914
Feb. 18, 1915—LOT 6 BLK 4, Burlingame Hills, San Mateo. Ansel M Eason to Van Sant-Houghton Co.....Feb. 8, 1915
Feb. 19, 1915—PTN LOT 6 BLK 4 of Sub 2 of Burlingame Park. James Dobbie to W B Eaton..Feb. 19, 1915
Feb. 19, 1915—LOT 18 BLK 5 Map No. 2, Stanford Park, Menlo Park. Adolf Richter to Clarke & ClarkeFeb. 15, 1915

RELEASE OF LIENS.

SAN MATEO COUNTY.

RECORDED	AMOUNT
Feb. 19, 1915—S ½ LOTS 7 AND 8 Blk 13, Crocker Estate Tract Sub No. 1. H H Smith, \$46.65; H H Smith, \$37.60; Mission Lumber Co, \$720.11 to Harry S Rockwell and P R Dickie.....	

MARIN, CONTRA COSTA AND SONOMA COUNTIES.

CHURCH—1 story and base, frame. Cost not stated. Sebastopol, Sonoma Co., Cal. Architect, W. J. Wythe, Central Bank Bldg., Oakland. Owners, First Methodist Church of Sebastopol. The building has been designed in the Spanish style with the exterior covered with cement plaster on metal lath and a clay tile roof. Interior will be finished in pine and redwood with some ornamental plaster. There will be Sunday school rooms besides a large main auditorium and pastor's study. Plans are complete and figures are being taken.

GARAGE—1 story and base, brick, \$5,000. Richmond, Contra Costa Co., Cal. Architect, J. B. Ogborn, 611 Macdonald avenue, Richmond. Owners, Oschenreiter & Noble. The building will be erected at the corner of Seventh and Barrett streets, covering an area of 50 by 112½ feet. A cement floor will be used. Interior will be finished in pine throughout. Special gasoline storage tank will be installed. Exterior of the building will be faced with pressed brick. Plans are now being prepared and figures will be called for within a week or ten days.

STREET PAVING—Cost not stated. Santa Rosa, Sonoma Co., Cal. Engineer, City Engineer, Santa Rosa. Owners, City of Santa Rosa. The City Council has ordered the City Attorney to prepare the necessary papers so that bids may be called for the grading and paving of Santa Rosa avenue from the bridge to the city limits.

TUNNEL WORK, WALLS AND TRACK—Cost not stated. Richmond, Contra Costa Co., Cal. Engineer, City Engineer Posey, Richmond. Owners, City of Richmond. Plans and specifications have been submitted to the City Council for the retaining walls, track work and other improvements to be made in the new Municipal Tunnel. The reports show that a 90-pound rail will cost \$31,000 and a heavier track \$36,000. Further action will be taken at the next meeting of the City Council.

RESIDENCE—2 story and base, concrete, \$20,000. Dixon, Solano Co., Cal. Architect, Henry C. Smith, Humboldt Bank Bldg., S. F. Owner, Roy

D. Mayers. The dwelling has been designed for a ten-room house with three baths, sleeping porch and a separate garage. Interior will be finished in pine and hardwood with white enamel in the bed rooms. Hardwood floors will be used in the principal rooms. There will be steam heat, a vacuum cleaning system and hot water circulating system. Bath rooms will be finished in tile. There will be open fire places and tile or brick mantels. Exterior of the dwelling will be covered with cement plaster. Plans are being prepared.

Contracts Awarded.

BATH HOUSE FILTERING PLANT—\$850. San Rafael, Marin Co., Cal. Architect, Thomas O'Connor, San Rafael. Owners, City of San Rafael. Contractor, Joseph A. Kappenmann, San Rafael. Contract price, \$850. The only other bid submitted was by Dennis O'Mara at \$1,090.

BUILDING CONTRACTS

CONTRA COSTA COUNTY.

ALTERATIONS

LOTS 3 AND 4 BLK 321 of Additional on Welch Survey in Town of Martinez. Alterations, remodeling and addition of one story to building known as the Baer Building, as per plans and specifications.

Owner.....D. L. Hilson, Martinez.
Architect...James T. Narbett, Berry Bldg., Richmond.

Contractor...J. F. Hoadley, Martinez.
Filed Feb. 24, '15. Dated Feb. 24, '15.

Frame up to and including 2nd story floor joists.....	\$1357.25
Building enclosed and ready to plaster	1357.25
All work except painting completed on outside, plastered and ready for standing trim....	1357.25
Completed	1357.25
Usual 35 days.....	1810.00
TOTAL COST,	\$7239.00

Bond, \$3620. Sureties, Henry Hyde and Elam Brown. Limit, 90 days. Forfeit, none. Plans and specifications filed.

COMPLETION NOTICES.

CONTRA COSTA COUNTY.

RECORDED	ACCEPTED
Feb. 24, 1915—PTN LOTS 3 AND 4 Blk 337, Add'n Survey Town of Martinez. Cornelia B Gray to Karl M Neilson.....	Feb. 19, 1915

FRESNO, MODESTO STANISLAUS AND CENTRAL CALIFORNIA.

APARTMENT HOUSE—2 story and base, frame, \$20,000. Modesto, Stanislaus Co., Cal. Architect, Charles C. Frye, 20 Montgomery street, S. F. Owner's name not given. The building will cover an area of 100 by 100 feet, and has been designed to contain 44 rooms, arranged in suites of two, three and four rooms. All apartments will have wall beds and private baths. Interiors will be finished in pine, redwood and elm. There will be steam heat, an oil burning system and hot water system. Bath rooms will have tile floors and wainscot. Exterior of the building will be covered with cement plaster on metal lath. Plans are

complete and figures are being taken.

ELECTROLIER SYSTEM—Cost not stated. Porterville, Tulare Co., Cal. Engineer, Mount Whitney Power Co., Porterville. Owners, City of Porterville. Engineers of the Mount Whitney Power Company has submitted to the Porterville city officials sketches and maps of the proposed electrolier system with which to light the business district, and the proposal was laid over to await action by the members of the Business Men's Association, for the installation of ornamental lights on Main street from Morton to Olive street, a distance of eight blocks; on Lafayette street from Main to E street; D street from Lafayette to Cleveland, and Cleveland from D to Main. There is also a movement on foot for the same lighting on Putnam avenue at least as far as Second street and of Mill street to Third street. The plan looks to the installation of the latest type of nitrogen lamps of 1,000 candle-power each.

STREET PAVING—Cost not stated. Oroville, Butte Co., Cal. Engineer, City Engineer, Oroville. Owners, City of Oroville. The City Board of Trustees has adopted resolutions of intention to pave about twenty additional blocks of streets in Oroville. This work will include upper Montgomery street, from Oliver avenue to the Feather River bridge; Meyers street, from High street to the city limits; Pomona avenue, from Fourth street to the city limits, and one-half of the width of the Marysville road, from Montgomery to the city limits, the other half being beyond the city limits. The pavement to be used will be identical with that recently adopted for other residence streets and similar to the pavement in the business district.

RAILROAD CONSTRUCTION—Cost not stated. Lindsay, Tulare Co., Cal. Engineer, Assistant Engineer Hatch, Los Angeles. Owners, Santa Fe Railroad Co. The Santa Fe Railway will build to Lindsay this summer, according to Assistant Engineer Hatch. Orders for leveling work have already been made, and teams will be on the ground as soon as it is dry enough. Orchardists received checks last summer for the rights of way through their property. The railroad company has all the rights of way from Exeter to Lindsay, but it is not known whether they will build farther than this city at this time. It is understood that the Santa Fe desires to be in the field for the fall orange shipping.

BUILDING CONTRACTS

FRESNO COUNTY.

BRICK SCHOOL

BLK 7, 8, Englewood Add'n, Fresno.

All work for two-story and basement brick school.

Owner.....City of Fresno School Dist
Architect...Eugene Mathewson, Forsyth Bldg., Fresno.

Contractor...Trewitt-Shields Co., 435 Rowell Bldg., Fresno.

COST, \$98,000

DWELLING

LOTS 17 TO 19 BLK 54, East Fresno Add'n, Fresno. Dwelling.

Wybro

Reg. U. S. Pat. Office
Veneered Panels that
ARE good—order
today from

Wybro Panels come in 200 varieties and Sizes.

WYBRO PANELS are a big and happy family of over 200 varieties and sizes, in a multitude of kinds of woods, suitable for every purpose.

Each one of the 200 varieties is the best of its kind on the market—each one is as good as your money can possibly buy.

Ask for our Wybro list today.

White Brothers

5th and Brannan Streets

San Francisco

Owner.....Lucian Garrett, 1530
Thomas St., Fresno.
Architect...None.
Contractor...P. A. C. Williams, 1480
Van Ness, Fresno.
COST, \$2500

DWELLING
NO. 222 WAGNER AVE., Fresno.
Dwelling.

Owner.....A. R. Holmes, Premises.
Architect...None.
Contractor...A. J. Vermet, Fresno.
COST, \$1400

DWELLING
LOT 23 GRIFFITH VILLA ADD'N.,
Fresno. Dwelling.
Owner.....Patterson.
Architect...None.
Contractor...J. R. Church, 1221 U St.,
Fresno.
COST, \$1200

DWELLING
LOTS 32 AND 33 BLK 1 Buena Vista
Add'n., Fresno. Dwelling.
Owner.....Williams.
Architect...None.
Contractor...J. R. Church, 1221 U St.,
Fresno.
COST, \$1180

FRAME RESIDENCE
LOTS 12 AND 13 BLK 111, Fresno. All
work for two-story frame residence.
Owner.....Ellen V. Doyle.
Architect...None.
Contractor...Norris & Wallace.
Filed Feb. 19, '15. Dated Feb. 16, '15.
2nd floor joists in.....\$ 768
Roof on 768
Plastered 768

Completed 768
Usual 35 days..... 1024
TOTAL COST, \$4096
Bond, \$2048. Surety, American Surety
Co. Limit, 90 days. Forfeit, none.
Plans and specifications filed.

LIENS FILED.

FRESNO COUNTY.

RECORDED AMOUNT
Feb. 18, 1915—LOTS 17 TO 21 BLK
82, Fresno. Eagle Transfer Co, \$7;
Crycroft-Herrold Brick Co, \$72 vs
Eleanor J and Frank H Ball....
Feb. 23, 1915—LOTS 17 TO 21 BLK
82, Fresno. Anderson Builders'
Supply Co vs F H Ball et al.....\$72

SACRAMENTO, STOCKTON AND NORTHERN CALIFORNIA.

RESIDENCE—1 story, frame, \$2,000.
Stockton, San Joaquin Co., Cal. Archi-
tect, none. Owner, Adolph Brown, 210
East Market street, Stockton. The
dwelling has been designed for a five-
room house and will be erected at the
corner of Baker and Park streets. In-
terior will be finished in pine and red-
wood. Some hardwood floors will be
used. There will be a large open fire
place in the living room. Mantel will
be of tile and brick. Tile wainscot
will be used in the bath room. Exterior
of the dwelling will be covered
with rustic and cement plaster. Plans
are complete and in the hands of the
owner who will do the work by Day
Labor.

E. H. Williams

Chalmer Munday

Munday & Williams

Attorneys-at-Law

Special Attention Given to Building
Law and Bankruptcy Cases

Telephone Sutter 4622

615 Phelan Building, San Francisco

RESIDENCE — 1½ story and base,
frame, \$3,500. Woodland, Yolo Co., Cal.
Architect, Chester H. Miller, Dalziel
Bldg., Oakland. Owner, R. H. Schuler.
The dwelling will contain six rooms
and bath. Interior finish will be of
pine and hardwood with some white
enamel. Hardwood floors will be used
in the living room, dining room and
reception hall. There will be furnace
heat and open fire places. Mantels
will be of tile and brick. Tile wain-
scot will be used in the bath room.
Exterior of the house will be covered
with cement plaster on metal lath.
Plans are complete and subfigures are
being taken by the architect.

BUNGALOW — 1 story and base,
frame, \$2,000. Sacramento, Cal. Archi-
tect, none. Owner, Max Smith,
2842 Tuolumne avenue, Sacramento.
The dwelling will be erected on Tuol-
umne avenue and has been designed
for a five-room house with bath. In-
terior finish will be of pine and red-
wood. Some hardwood floors will be
used. There will be an open fire place
and tile mantel. Bath room will have
tile wainscot. An automatic water
heater will be installed. Exterior of
the house will be covered with rustic
and cement plaster on metal lath.
Plans are complete and in the hands of
the owner who will do the work by
Day Labor. Materials are now being
purchased.

SCHOOL—2 story and base, brick
and concrete. Cost not stated. Stock-
ton, San Joaquin Co., Cal. Architects,
Stone & Wright, 24 South California
street, Stockton. Owners, City of
Stockton. Bids opened on February
25th for the construction of the new

Williamson's Continuous Clothes Line Outfit

Clothes Line Problem Solved At Last

DOUBLE your line space, use all the line. No empty
top line, hang the clothes free from the soiled line,
making it sanitary. Take clothes off any part of line
without removing the wet clothes.

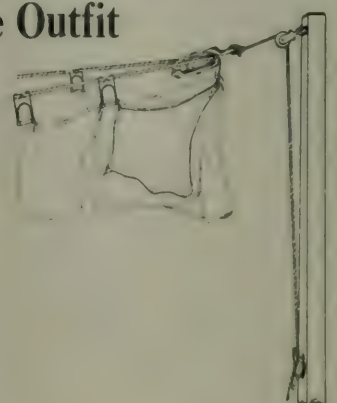
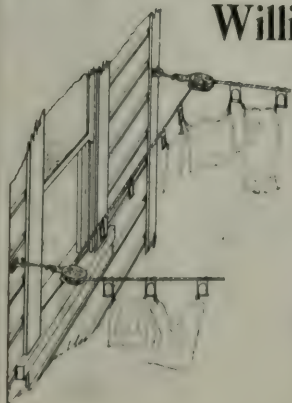
CONSTRUCTION: The pulleys are made of cast
iron galvanized; so constructed as to allow the patent
clothes pins to pass through carrying the clothes
around the pulleys, thereby using both lines.

BY using three pulleys, the lines are spread apart
as shown in the picture and allows you to put clothes
on or take them off the line without hanging out of
the window side ways. The clothes pin is made of
heavy galvanized wire formed in such a manner as
to allow it to be fastened to the clothes line very
easily; nothing complicated to get out of order.
Holds the clothes free from the line so the lines need
not be covered with cloth-strips in order to keep the
clothes from being soiled from the line. The strong-
est wind cannot blow the clothes out of the pins as
they are held in a spring slot. When the wind blows
it pulls the clothes deeper into the slot holding them
tighter.

NO SPRINGS TO PRESS OR SQUEEZE

to get the clothes in or out. Just slip clothes in slot Sanitary. Stronghold, Clothes Pins, 3 Continuous
and pull down. WILL hold the daintiest fabrics or Clothes Line Pulleys and 1 Pair Line Splicers.
the heaviest blanket. 1240 Mission St. Phone Mkt. 4008.

Price, \$2.00 per Set.



El Dorado School show R. W. Moller of S. F. low on the general construction at \$65,934 and \$60,534. J. C. Hurley also of S. F. was low on the heating and ventilating at \$5,300. A complete list of these bids will be found under the heading of Sacramento, Stockton and Northern California in this issue.

SCHOOL—1 and 2 story and base, brick and concrete. Cost not stated. Auburn, Placer Co., Cal. Architect, W. H. Weeks, 75 Post street, S. F. Owners, Auburn School District. The building will contain twelve class rooms, an auditorium and principal's office. Interior will be finished in pine with maple floors in the class rooms. Plans provide for steam heat, a vacuum cleaning system and program clocks. There will be modern school plumbing. Exterior of the building will be faced with pressed brick or cement plaster. Plans are complete and figures are being taken. Bids will be opened on March 11th. Plans and specifications can be secured from the architect. Separate bids will be taken on the various parts of the work and the general contract will be figured with several alternates.

STREET PAVING—Cost not stated. Willits, Mendocino Co., Cal. Engineer, City Engineer Gorninski, Willits. Owners, City of Willits. Plans and specifications presented by City Engineer Gorninski for paving certain streets in this city have been adopted. The plans call for a concrete base of five inches with a surfacing of oil and gravel of one and a half inches, and the district to be improved extends on Commercial from the Northwestern Pacific tracks to a point twenty feet west of the Hotel Willits. On Main the paving will be placed from State street to the railroad tracks.

ELECTROLIER SYSTEM—Cost not stated. Lodi, San Joaquin Co., Cal. Engineer, City Engineer, Lodi. Owners, City of Lodi. The matter of installing an electrolier system on several streets in this city is now under discussion by the City Trustees, and it is thought that final action will be taken soon. It is probable that the new electroliers will be similar to those in the downtown district of the city, which are three-light fixtures.

RESIDENCE—1½ story and base, frame, \$10,000. Lake Tahoe, Cal. Architect, Henry C. Smith, Humboldt Bank Bldg., S. F. Owner, Edward Lehe. The house will contain eight rooms, two baths and sleeping porches. Interior finish will be of pine and redwood. Some hardwood floors will be used. There will be a central heating system and open fire places. Mantels will be of tile or brick. A hot water system will be installed. Exterior of the house will be covered with rustic. Plans are now being prepared.

Contracts Awarded.

PIPE—Cost not stated. Lodi, San Joaquin Co., Cal. Engineer, City Engineer, Lodi. Owners, City of Lodi. Contractor, H. C. Maddox, Sacramento, iron stone pipe. Contract price not stated.

THEATRE—1 story, hollow tile. Cost not stated. Roseville, Placer Co., Cal. Architect's name not given. Owner, Mr. Thomas. Contractor, C. H. Hanson, Lincoln. Contract price not stated.

CULVERTS AND BULKHEAD,

EARTH AND CONCRETE — Cost not stated. Oroville, Butte Co., Cal. Engineer, County Surveyor, Oroville. Owners, Butte County. Contractors, Chico Construction Co., Chico. Contract price not stated.

BUILDING CONTRACTS

SACRAMENTO COUNTY.

FRAME RESIDENCE
NO. 320 THIRTY-THIRD ST., on Lot 98 Casa Loma Terrace, Sacramento. One-story six-room frame residence. Owner.....A. W. Allen, 1825 8th St., Sacramento. Architect...None. Contractor..A. W. Norris, 409 21st St., Sacramento.

COST, \$2600

BUNGALOW
LOTS 16 AND 17 BLK 4 Sub No. 9 of N-Sacramento. All work for five-room plastered bungalow. Owner.....S. P. Reed Co. Architect...None. Contractor..Birdsall & Lastra. Filed Feb. 24, '15. Dated Feb. 15, '15. COST, \$1850

RESIDENCE
NO. 2844 TUOLUMNE AVE., on Lot 21 Fairmond, Sacramento. Six-room residence. Owner.....Max Smith, 2842 Tuolumne Ave., Sacramento. Architect...None. Day's work. COST, \$1800

FRAME RESIDENCE
BUCKMAN AVE on W ½ Lots 6, 7, K, Waldron Tract, Sacramento. Four-room frame residence. Owner.....A. Miller. Architect...None. Day's work. COST, \$990

ADDITION
NO. 2826 G ST., on W ½ of N ½ of Lot 4, G, H, 28th and 29th, Sacramento. Add to rear of residence.

Owner.....W. Murphy. Architect...None. Contractor..N. L. Bishop, 2616 D St., Sacramento. COST, \$100

FRAME RESIDENCE
NO. 607 T ST., on E ½ of S ½ Lot 8, S, T, 6th and 7th, Sacramento. Two-room frame residence. Owner.....J. F. Alamao, 630 Q St., Sacramento. Architect...None. Contractor..M. F. Terra, 2315 9th St., Sacramento. COST, \$300

FRAME RESIDENCE
NO. 1619 SIXTH ST., on 30 feet of N 60 feet Lot 8 in Blk P, Q, 6th and 7th Sacramento. One-story 6-room frame residence. Owner.....R. Susich, 811 P St., Sacramento. Architect...None. Contractor..Gene Pendergast, 1131 22nd, Sacramento. COST, \$2000

ICE PLANT
THIRTY-FIFTH ST., at corner Park Ave., on Lots 7 and 8 Sbdvn, Sacramento. One-story frame concrete ice plant. Owner.....R. Carstensen, 2409 M St., Sacramento. Architect...None. Contractor..East Sacramento Electric, Gas and Railway Co. COST, \$2000

FRAME OFFICE
NO. 913 THIRTEENTH ST., in Blk I, J, 12th and 13th Sts., Sacramento. One-story frame office. Owner.....Sophia P. Comstock, 2113 M St., Sacramento. Architect...None. Day's work. COST, \$400

ALTERATIONS
NO. 320 R ST., on E ½ Lot 3, R, S, 3rd and 4th Sts., Sacramento. Re-

San Francisco Men Low At Stockton.

R. W. Moller and J. C. Hurley will Probably be Awarded Contracts For Construction of El Dorado School.

(Special Wire.)

STOCKTON, San Joaquin Co., Cal. Feb. 24th, 1915—Bids were opened at the evening session of the Board of Education for the construction of the

new El Dorado School, a two-story and basement brick and concrete building, designed by Architects Stone & Wright of Stockton. Two propositions were submitted by bidders on the general construction. Proposition A for a 14-room school and Proposition B for a 12-room building. R. W. Moller of San Francisco was low on both propositions as follows: Prop. A, \$65,934, and Prop. B, \$60,534. J. C. Hurley of San Francisco was low on the heating and ventilating at \$5,300. All bids were taken under advisement until the next meeting of the Board.

The following is a complete list of the bids as submitted:

El Dorado School.

Bidder	Prop. A.	Prop. B.
Robert Powell, Stockton.....	\$71,443	\$68,343
Daniels & Green, Stockton.....	67,775	63,596
French & Zink, Stockton.....	74,592	70,952
Chirhardt & Nystedt, Stockton.....	69,815	66,500
R. W. Moller, San Francisco.....	65,934	60,534
L. G. Burgren & Son, S. F.....	74,872	70,572
Ernest Green, Lodi.....	67,964	62,789

Heating and Ventilating.

Brandt Bros., Stockton.....	\$5,598
Miller & Hayes Co., Stockton	5,560
Edward L. Gnekow, Stockton	5,418
W. Morgan & Co., Stockton..	5,736
Phal & Harry Co., Stockton.	5,458
C. J. Hurley Co., S. F.....	5,300

roof rear building back of cooper shop.

Owner.....A. Arnold.

Architect...None.

Day's work. COST, \$300

ALTERATIONS

CYPRESS AVE, bet 34th and 35th on E ½ Lots 1 and 2 Blk 54, W. J. Lander's Sub "B," Sacramento. Remodel and add to present Oak Park Fire Station of steel and interlocking terra cotta tile construction.

Owner.....City of Sacramento.

Architect...None.

Contractor...Chas. J. Guth, 1516 27th, Sacramento.

COST, \$8000

RESIDENCE

NO. 2210 P ST., on W ½ Lot 2, P, Q, 22nd and 23rd, Sacramento. Seven-room residence.

Owner.....P. S. Prather, Premises.

Architect...None.

Contractor...Chatterton Bros., 3126 T, Sacramento.

COST, \$3500

RESIDENCE

RINCON COUNTY ROAD near Upper Stockton Road, on Lot 2508, Elmhurst, Sacramento. One-story 5-room residence.

Owner.....B. Kenny, 1204 F St., Sacramento.

Architect...None.

Contractor...W. P. Cippa, 314 21st St., Sacramento.

COST, \$2500

REPAIRS

NO. 3104 S ST., Lot 2, T Street Court, Sacramento. Repair fire damage to residence.

Owner.....J. H. Lane.

Architect...None.

Contractor...Hunt Bros., 2926 S St., Sacramento.

COST, \$500

REPAIRS

NO. 1208 THIRD AVE N 17th feet of N 17th feet of S ½ Lot 4, L, M, 2nd and 3 Sts., Sacramento. Make repairs to storé and office building.

Owner.....Theresa Vogel, 700 12th St., Sacramento.

Architect...None.

Contractor...J. A. Pansback, 1020 25th St., Sacramento.

COST, \$300

BUILDING CONTRACTS.

SAN JOAQUIN COUNTY.

FRAME RESIDENCE AND GARAGE SE BAKER AND PARK, Stockton. Frame residence and garage.

Owner.....Adolph Brown, 210 E-Market St., Stockton.

Architect...None.

Day's work. COST, \$1700

BUILDING CONTRACTS

SAN JOAQUIN COUNTY.

SANITARY SYSTEM

AURORA ST., bet. Oak and Fremont, Stockton. All work for sanitary system at the Fremont School.

Owner.....Board of Education of City of Stockton.

Architect...Stone & Wright, 24 S-California St., Stockton.

Contractor...French & Zuehl, Stockton.

Filed Feb. 18, '15. Dated Feb. 18, '15.

Monthly payments of..... 75%

Usual 35 days..... 25%

TOTAL COST, \$4882

Bond, \$2441. Surety, Pacific Coast Casualty Co. Limit, 60 days. Forfeit, \$5. Plans and specifications filed.

LOS ANGELES AND SOUTHERN CALIFORNIA.

RESIDENCE — 2 story, attic and base, frame. Cost not stated. Los Angeles, Cal. Architect, John C. Austin, Baker-Detwiler Bldg., L. A. Owner, M. H. Mosier. The dwelling will be erected in Fremont Square and has been designed to contain fourteen rooms, four baths and sleeping porches. A large garage will also be erected on the property. Interior of the house will be finished in mahogany and cedar with white enamel in the bed rooms. Hardwood floors will be used throughout. Plans provide for furnace heat and open fire places. Mantels will be of tile and brick. A hot water circulating system and vacuum cleaning will be installed. Bath rooms will be finished in tile and equipped with showers. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are now being prepared.

APARTMENT HOUSE—3 story and base, brick, \$30,000. Los Angeles, Cal. Architect, none. Owner, C. S. Anderson, 711 Washington Bldg., L. A. The building will be erected on Ingraham street between Witmer and Valencia, covering an area of 40 by 113 feet. There will be a total of sixty rooms, arranged in suites of two and three rooms. All apartments will have wall beds and private bath rooms. Interior finish will be of pine, redwood and elm panels. Some hardwood floors will be used. There will be steam heat, a hot water system and vacuum cleaning. Bath rooms will be finished in tile. Entrance will have marble wainscot. Exterior of the building will be faced with pressed brick. Plans are complete and in the hands of the owner who will do the work by Day Labor. Materials are now being purchased.

HOTEL ADDITION—2 and 6 story, brick, \$60,000. Long Beach, Los Angeles Co., Cal. Architect, W. H. Austin, 26 Elm avenue, Long Beach. Owners, Hotel Schuyler Co. The present building on Ocean avenue near Pine will be added to. The front portion will have a six-story addition and the side two stories. The new portion of the building will be arranged for single rooms and apartments of two and three rooms. Interior will be finished in pine and redwood. The present steam heat, hot water and elevator service will be extended. Exterior of the building will be faced with white enameled brick. Plans are complete and figures are being taken.

LIBRARY—1 story and base, brick, \$35,000. Los Angeles, Cal. Architect, W. J. Dodd, Marsh-Strong Bldg., L. A. Owners, City of Los Angeles. The building will be erected in the Boyle Heights District, and has been designed in the classic style. There will be two large reading rooms, a juvenile department and office of the li-

brarian. Interior finish will be of pine and hardwood. There will be a central heating system and vacuum cleaning. Metal book stacks are specified. Exterior of the building will be faced with pressed brick. Plans are being prepared.

STREET PAVING—\$69,850. Huntington Beach, Los Angeles Co., Cal. Engineer, City Engineer, Huntington Beach. Owners, Huntington Beach. Bert Noble, Huntington Beach, submitted the lowest bid for paving several streets. His bid was \$69,850. Two other figures were submitted.

ROAD MACHINERY AND MATERIALS—Cost not stated. San Bernardino, San Bernardino Co., Cal. Engineer, County Surveyor, San Bernardino. Bids will be received on March 8th for furnishing the following road machinery and materials: Steam or gas motor road rollers, concrete mixers or pavers, 100,000 to 200,000 barrels of cement, 50,000 cubic yards No. 1 class B rock, 20,000 cubic yards of No. 2 class A rock, 5,000 cubic yards No. 3 class A rock and 40,000 cubic yards of sand. Complete information can be obtained by addressing R. H. Mack, Secretary of the County Highway Commission at San Bernardino.

Contracts Awarded.

APARTMENT HOUSE, STORES AND THEATRE—3 story and base, brick, \$31,000. Redondo Beach, Los Angeles Co., Cal. Architect, L. B. Pemberton, Auditorium Bldg., L. A. Owner, L. J. Baumbach. Contractor, H. F. Lloyd, Builders' Exchange, L. A. Contract price, \$31,000.

EXPRESS DEPOT—1 and 2 story and base. Class C construction, \$28,901. Los Angeles, Cal. Architect, James H. Humphrey, Wells-Fargo Bldg., S. F. Owners, Wells-Fargo Express Co. Contractors, Alpeter, Hall & Alpeter, Ferguson Bldg., L. A. Contract price, \$28,901.

STORES AND LOFTS—4 story and base, brick and steel, \$30,000. Los Angeles, Cal. Architect, J. J. Fraunfelder, Story Bldg., L. A. Owner, H. H. Ford. Contractor, H. E. Martin, 137 West 24th street, L. A. Contract price, \$30,000.

PORTLAND AND OREGON.

RESIDENCE — 2½ story and base, frame, \$25,000. Portland, Ore. Architect, W. B. Bell, 494 Marguerite avenue, Portland. Owner, A. C. Ruby. The dwelling will be erected at the Base Line Farm, and has been designed to contain fourteen rooms, four baths, sleeping porches. Separate garage and other outbuildings are included in the work. Interior of the house will be finished in pine and hardwoods. There will be a central heating system, vacuum cleaning, a hot water circulating system and ice plant. Bath rooms will be finished in tile. Exterior of the house will be covered with cement plaster on metal lath. Plans are complete and sub-figures are now being taken by the architect.

SCHOOL—2 story and base, frame, \$25,000. Gresham, Ore. Architect, Ernest Kromer, Worcester Bldg., Portland. Owners, City of Gresham. The building will contain eleven class rooms and an assembly hall to seat

50 people. Interior will be finished with pine throughout with maple floors in the class rooms. There will be a central heating system and modern school plumbing. Exterior of the building will be covered with cement plaster on metal lath. Plans are complete and figures are now being taken. Bids will be opened on March 10th.

SCHOOL—2 story and base, semi-fireproof construction, \$100,000. Portland, Ore. Architect, F. A. Naramore, Superintendent of School Properties, Portland. Owners, City of Portland. The new building will be known as the Franklin School and this portion will be the first unit of a large school group. Other than the fact that the building will be of semi-fireproof construction and that it will accommodate 2,000 pupils no details have been given out. Further mention will be made of the work.

SEATTLE AND WASHINGTON

POST OFFICE—2 story and base, brick and stone. Cost not stated. Everett, Wash. Architect, Supervising Architect Oscar Wenderoth, Washington, D. C. Owners, United States Government. The building will be of fireproof construction, with brick and concrete walls, floors and roof slabs. Interior partitions will be of hollow tile. The building will cover an area of approximately 10,500 square feet. Interior finish will be of pine and hardwoods with some metal trim. Metal window sash and frames are specified. There will be steam heat and modern plumbing and electric work. Exterior of the building will be faced with pressed brick and cut stone. Plans are complete and figures are being taken. Bids will be opened on March 22nd. An official disposal appears in another column of this issue.

SCHOOL—2 story and base, brick, \$5,000. Fall City, Wash. Architects, Stephen & Stephen, New York Bldg., Seattle. Owners, Fall City. The building will cover an area of 75 by 120 feet and has been designed to contain eight class rooms and an assembly hall. Interior finish will be of pine throughout. Maple floors will be used in the class rooms. Plans provide for steam heat and modern school plumbing. Exterior of the building will be faced with pressed brick. Plans are now being prepared.

Contracts Awarded.

RESIDENCE—2 story and base, hollow tile, \$25,000. Seattle, Wash. Architect, David J. Myers, Central Bldg., Seattle. Owner, M. A. Arnold. Contractor, M. Arvesen, Downs Block, Seattle. Contract price, \$25,000.

HYDROELECTRIC DEVELOPMENT IN CHINA.

Consul General Thomas Sammons, Shanghai, Nov. 23.]

At the present time there is practically no hydroelectric power development in China. Such electrical plants have been installed in this Republic are driven almost altogether by steam. The immense delta plains of the Yangtze and Yellow Rivers are not, in a general sense, suitable for hydroelectric plants, but in Fukien, Szechuan, and parts of Shantung Provinces, as well as the Yangtze gorges,

power stations of this type may ultimately be installed.

While it may be stated broadly that no hydroelectric plants are in operation in China, stations for supplying current to the cities of Yunnanfu and Chengtu have been partially arranged for through negotiations taken up by Germans with the Chinese Government. Inquiries made through German sources, however, fail to disclose any pertinent details regarding this undertaking. In other instances native Chinese companies have agitated the development of water powers in connection with Chinese chambers of commerce, and have endeavored to arrange with the Chinese provincial authorities for permission to build such plants; as a general rule, however, the Chinese have not been successful in organizing companies with that degree of financial backing and standing such as would warrant provincial or central government support, which support, in turn, would enable foreign engineering firms to enter into contracts for supplying materials and installing plants.

[The foregoing report is one of a very extensive series on hydroelectric development and the outlook for augmented sales of electrical materials and supplies of all kinds, prepared by American consular officers in various countries. The Bureau of Foreign and Domestic Commerce has arranged to place these reports, in manuscript form. In the industrial centers of the United States, where they may be inspected by manufacturers and exporters.]

IOWA BRIDGE SPECIFICATIONS.

In the utilization of concrete, Iowa has long been famous. In the number of miles of concrete roads, it ranks well up with the leaders. In the matter of concrete bridges, culverts, etc., it is still among the leaders. In connection with the latter, the standard specifications under which Iowa's concrete bridges are built are interesting. While the Iowa concrete road specifications vary somewhat in the several localities, the bridges being under the supervision of Iowa State Highway Commission are brought under one set of specifications with correspondingly satisfactory results to all concerned. Concrete bridges in Iowa have so satisfactorily solved the highway bridge problems that these specifications deserve attention from all those interested in highway as well as bridge engineering.—Portland Cement Magazine.

PUMPING PLANTS INCREASE.

There are 24,589 individual irrigation pumping plants in California, separate from the river systems in all parts of the State, according to the State Engineer's report, just filed. In Northern and Central California the increase in the number of these pumping plants has been 4,076 since 1910. In the South, Los Angeles shows an increase of 2,527.

LARGER QUARTERS FOR HOLLOWAY EXPANDED METAL CO.

In order to better handle the large increase of their lath and tile busi-

ness, the Holloway Expanded Metal Co. report that they leased the warehouse formerly occupied by the United Cigar Co. on Second and Federal Sts., and will also maintain their offices at this new place. Telephone number the same, Sutter 2619.

This Company is now in a position to furnish everything in the line of expanded metal lath for plastering, expanded metal mesh for reinforcing, corner beads, channel iron, and a complete line of wire lath and wire netting. They also carry one of the largest varied stock of floor and wall tiles. In connection with their jobbing they are contractors for furring, lathing, floor and wall tile.

LOCOMOTIVE SPARKS CAUSED SIXTY PER CENT OF FIRES ON THE NATIONAL FORESTS IN THE EAST.

WASHINGTON, D. C.—Of the 503 fires reported by the forest service as having occurred in 1914 on the national forest purchase areas in the White Mountains of New England and the southern Appalachians, 319, or 60 per cent, were caused by sparks from locomotives. More than half of these fires, or 272, occurred in Virginia alone, and of these 227 were from locomotive sparks.

Three hundred and seventy-nine of the fires were confined to areas of less than ten acres each, and 296 were extinguished before one-quarter of an acre had been burned. The total loss amounted to \$2,192 and the cost of fire-fighting to \$1,300, an infinitesimal sum compared with the value of the timber and reproduction protected. As the areas swept by fire were mostly cut-over, the greater part of the damage was suffered by young growth.

A NEW MUSEUM.

An automobile museum has been established in London, where there are exhibited gasoline cars made as early as 1895, a steam tricycle made in 1891 and one of the earliest steam cars, made in 1860.

THIRTY MINUTES VS. THIRTY YEARS.

In spite of the great increase in road building during the last few years, more was spent in the United States during 1913 for moving picture shows than was expended for the improvement of roads. This fact might be borne in mind by those who believe they cannot afford roads of permanent construction. It is a case of enjoyment of thirty minutes versus thirty years. —"Concrete Roads."

PORTABLE FIRE ESCAPE.

A recently patented fire escape that can be moved from window to window of a burning building consists of an extension ladder suspended from trolley wheels, which run on a suitable track permanently attached to the building just below the roof cornice. A person standing on the ladder or on the ground can move the fire escape to any point where it is needed, and in the case of flames bursting out of a window the ladder can be pushed aside so as to enable those on it to descend to safety.—Exchange.

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ALASKA MINERAL OUTPUT.

The mineral production for Alaska in 1913 had a value of \$19,413,094, according to the United States Geological Survey. Of this amount, \$15,626,813 is to be credited to the gold mines. This makes the total value of gold production of Alaska, up to the close of 1913, \$228,392,540. In addition to this nearly \$17,000,000 worth of copper and over \$2,000,000 worth of silver has been produced in Alaska.

CONSULAR OFFICER NOW IN THE UNITED STATES.

Mr. Chas. F. Baker, American Consul at Guayaquil, Ecuador, is now on leave of absence in the United States and will be glad to confer with business men and commercial organizations relative to conditions in his jurisdiction. He can be addressed Care Department of State, Washington, D. C.

(15)

MARKETS FOR WIRE AND NAILS.

COSTA RICA.

[Consul Chester Donaldson, Port Limon, Dec. 9.]

The value of the annual importation of wire nails, wire for fences, and all other kinds of wire at Port Limon is about \$100,000, of which over \$90,000 worth comes from the United States. The European war will therefore not have much effect on the local trade in these products, though the demand will probably decrease, owing to the general depression in business, and small importations may be expected during the next year. There is no special make of wire or nails demanded by the trade of Costa Rica, but the round wire nail with solid head is most commonly used. Barbed wire is imported in 100-pound rolls; nails of all sizes in kegs (mostly 100 pounds each, but sometimes the smaller grades come in 50-pound kegs.)

A MONSTER AQUEDUCT.

The aqueduct conducting the waters of the Owens River, at Los Angeles, is said to be the largest in the world. It is designed to deliver a minimum of 258,000,000 gallons of water daily into the San Fernando reservoir, 25 miles northwest of the city. No pumping plant is required, as the source of supply is several hundred feet above the city. The water will furnish a great amount of power—7,000 horsepower is anticipated—for electric lighting and other purposes. The total cost of the waterworks will be \$25,000,000, and the installation of the power plant will be approximately \$5,000,000 more.

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Camp & Carrillon
Chase, S. A.
Crascent Concrete
Co.

Daniel & Schott
Dillon, H.
Edminster Bros.
Foster Co., W.
Gnecco, M. H.
Hansen & John-
son.
Haun, C. C. W.
Hurley, P.
Leonard, J. P.
McCabe & Brown
McClenahan &
Co., T. W.
Miller, Louis
Mission Concrete
& Mosaic Wks.
Moroncelli, John
Nilson & Arras
New Era Marble
& Concrete Co.
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Rasmussen, A.
Riboni, Henry
Schlosser, Max
Schmidt & Son, J.
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Spargo, John
Thomas & Sands
Westerlund, J. V.
Zimmerman, L. M.
Concrete Machy.
Bacon & Co., E. R.
Road Machy. Co.
Lansing Co.
Livermore Co.,
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Contractors' Equipment.
Bacon & Co., E. R.
Blaisdell Machy.
Co.
Compressed Air &
Gen. Machy. Co.
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Mapes, Sanford N.
Orenstein - Ar-
thur Koppel Co.

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Amsler Sheet
Metal Works
Appman Cornice
Works.
Atlas Heating &
Ventilating Co.
Capitol Sheet
Metal Works
Conlin & Roberts.
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Works
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Works**
Guilfooy Cor. Wks.
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Works
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Metal Works.
Hibernia Sheet
Metal Works
Hughes, H. J.
Ideal Cornice Co.
Korell & Co., J. A.
Modern Sheet
Metal Works
Morrison & Co.
U. S. Metal Prod-
ucts Co.
Western Furnace
& Cornice Co.
S. F. Metal Stamp
& Corr. Co.

Crude Oil Burners
Bill & Jacobsen
Fess System Co.
Johnson Co., S. T.

Crushed Rock.
Bay Devel. Co.
Cal. Building Ma-
terial Co.
Cassaretto, John
City Supply Co.
McMullin, A. L.
Simon-Fout Brick
Co.
Star Contracting
Company.
Standard Crushed
Rock Co.
Stone Co., E. B. &
A. L.
Western Develop-
ment Syndicate

Damp Proofing.
Brickley, P. J.
Fox, John L.
Keene Co., R. E. G.
Reagle & Jamel-
son
Taylor, L. A.
Whittier - Coburn
Company.

**Door Opener and
Closer.**

Rischmuller, Geo.

Electric Fixtures.
City Electric Co.
Gas & Elec. App.
Co.
Pac. Gas & Elec
Company.

**Electric Wiring &
Equipment.**

American Elect.
Eng. Co.
Central Elec. Co.
Decker Electrical
Construction Co.
Farnsworth Elec-
trical Works.
General Electric
Constr. Co.
Globe Electric
Works
Hicks & Folte
Kirsten, W. H.
Lauder, H. I.
Manhattan Elec-
tric Co.
National Electric
Co.
Newberry - Bend-
helm Elec. Co.
Peters, Gus. J.
Rex Electric Con-
struction Co.
Ridley, A. E. B.
Rochdale Elec. Co.
Schmitschek, M.
Turner Co., The
Vitt Elec. Co.
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liner Elec. Co.
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Elevator Builders.
Otis Elevator Co.
S. F. Elevator Co.
Van Emon Eleva-
tor Co.

Estimator.
Dillon, H.

- Morser, E. J.
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Pridde, Arthur
Walker, J. M.
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Artolith Mfg. Co.
Bender R.&P. Co., J. W.
Dwan Co., J. E.
Fibrestone & Roofing Co.
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- Floors, Hardwood**
Hardwood Int. Co.
Inlaid Floor Co.
Pac. Floor Sanding Co.
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Day Co., Thomas
- Gas Heating Systems.**
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Blaisdell Mch'y. Co.
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Cal. Plate & Window Glass Co.
Friedman Bros.
Fuller Co., W. P.
Grosslicht & Dinne
Habicht & Howlett
Mission Plate & Window Glass Co.
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Branick, J. P.
Carlin Bros.
Cassaretto, John
Devincenzi & Co., L.
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Glorgi Co., G.
Hartnett J. D.
Harbor View Contract Co.
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Lennon Co., J. E.
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McGlinchey & Monohan
Montague Co., P.
O'Day Co., Dan'l
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Powers, Chas. J.
Sibley Grading & Teaming Co.
Star Con. Co.
Wright Co., J. H.
- Granite Curbing.**
Graham Granite Co.
Lead Granite Co., W.
Pacific Granite Co.
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- Gravel.**
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Cal. Building Material Co.
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Standard Crushed Rock Co.
Star Contracting Company.
Stone Co., E. B. & A. L.
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Kruse, J. H.
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Atlas Heating & Ventilating Co.
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Looney Co., J.
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Hatch, H. L.
Pearson, N. H.
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Le Clair, S. D.
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Hardwood Interior Co.
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Pac. Floor Sanding Co.
- Interlocking Tile Blocks.**
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Dyer Bros.
Bureka Wire & Iron Wks.
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Hillard Co., C. J.
Kell Iron Works
Michel & Pfeffer
Monarch Iron Works
Pacific Iron Wks.
Pacific Structural Iron Works.
Ralston Iron Works
S. F. Iron Works
Sartorius Co.
Schraeder's Iron Works
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West Coast Wire & Iron Works
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Reinhart Mill & Lumber Co.
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Sunset Lumber Co.
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Peerless Agencies Co.
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Mission Marble Works.
Musto Sons-Keenan Co.
New Era Marble & Concrete Co.
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Vermont Marble Co.
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Holloway Metal Lath Company.
- Waterhouse & Price**
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Blum, Louis
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Burns Bros.
Clark & Dickson
Cramer Bros.
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Copnick, T. W.
Dahl, T. H.
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Miller, L.
Miller, J. A.
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Cohn & Co., Marion D.
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O'Brien, J. S.
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Pratt & Lambert
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Cal. Planing Mill.
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Hart & Burmeister
Hermann, A.
Herrings Mill
Holden - Deuprey
Lorden Mill Co., J. P.
Main St. Planing
Premus Planing Mill
Reinhart Lumber & Planing Mill
Ryan, George
- San Mateo Planing Mill**
Santa Clara Valley Mill & Lumber Co.
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Campbell, Chas.
Campbell & Williams
Connell Co., J. E.
Daly, J. H.
Duthie, Chas.
Gilmour, W. G.
Jones, Francis
Kaiser, Jos.
Leaf, Al.
MacGruber & Co.
Mellon, Thos.
Modica, S.
Mowat Donald
Philbin, J. J.
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Terranova Bros.
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Band, S. W.
Bernard, Geo. F.
Dunn, Neil H.
Goss, Wm. P.
Grundy, Ed.
Houston, J. J.
Kara, F. E.
Kiernan & O'Brien
Lacey, E. V.
Lauder, H. I.
Lawson, Herman
Lettich, Antone
Lettich, J. M.
Looney Co., J.
May, Gus.
McLeod, J. J.
Penkerton, J. H.
Skelly, Thomas
Snook & Co., Fred W.
Turner Co., The
Wetzel, Theo.
Wilson & Co., W.
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Paragon Brass Mfg. Co.
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Enterprise Roofing Co.
Flaherty, R. H.
Keene Co., R. E. G.
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Malott & Peterson
Raphel Roofing Co.
Samuel Co., H. D.
Watsonite Co.
Western Asbestos
Magnesia Co.
Western Felt and Roofing Co.
- Roofing (Slate & Tile.)**
Graham, R. G.
Klatt, R. J.
White, Ed. A.
Fibrestone & Roofing Co.
- Roofing Materials.**
Johns - Manville Co., H. W.
Paraffine Paint Co.
Waterhouse & Price
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Magnesia Co.
Western Builders' Supply Co.
Whittier - Coburn Co.
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Bay Develop. Co.
Cal. Building Material Co.
McMullin Bros.
Stone Co., E. B. & A. L.
Western Development Syndicate.
- Sanitary Garbage Chutes.**
Bill & Jacobson
- Sand Blasting.**
McDermott, W.
- Sheet Metal Wks.**
Amsler Sheet Metal Works
Appman Cornice Works
Atlas Heating & Ventilating Wks
Capitol Sheet Metal Works
Comyns & Nygren
Cronan, Wm.
Crown Cornice Works
Elite Sheet Metal Works
Forreder Cornice Works
G. & M. Sheet Metal Works
Guilfoyle Cornice
Hibernia Sheet Metal Works
Hughes, H. J.
Ideal Cornice Wks
Korell & Co., J. A.
Modern Sheet Metal Works.
Morrison & Co.
S. F. Metal Stamping & Corr. Co.
U. S. Metal Products Co.
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Jackson Co., P. H.
Dwan & Co., J. E.
Phoenix Sidewalk Light Co.
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Boiler, John
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- Stationery.**
Foster & Short
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- Steel Bars.**
Baker & Hamilton
Dawson & Noyes
Woods & Huddart.
- Pacific Coast Steel Co.**
Sole Co.
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Stoves.
Mangrum & Otter
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Dwer Bros.
Golden Gate Iron Works
San Francisco Iron Works
Ralston Iron Wks
Vulcan Iron Wks.

Surveyors.

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Quimby, L. S.
Wetherell, Chas E

Teaming & Grading.

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Blanchini, G.

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Devencenzi & Co., L.

Dillon Teaming Co.

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Leffler, Fred
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O'Day Co., D.

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Ginsberg & Co., S.
Mangrum & Otter
Peerless Agency Co.

Vacuum Cleaners
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Hughson & Mer-ton Co.

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Stevens Co., Frank A.

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Wall Beds.
Marshall - Stearns Co.
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Whitewashing
Brickley, P. J.
Reigle & Jamelson
Taylor, L. A.

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American Window Cleaning Co.

Windows, Patent.
Simplex Window Co.

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City Electric Co.
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Decker Electric Co
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Elevators.

Otis Elevator Co.
Van Emon Elevator Co.

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S. F. Fibre & Cord-age Co.

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Norris, L. A.

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Floor Sanding
Inlaid Floor Co.
Pacific Floor Sanding Co.

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Cal. Art Metal & Wire Works.

Merle Co., A.
Sartorius Co.

Withington, C. W.

Gen. Contractors.
Andrus, R. C.

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Brockhage, Foley & Green

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Cereghino & Son, Louis

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Farquharson, D. B.
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Kuykendall, J. O.

Malley, Edward.
Matthies, Henry

Peacock, John
Schneblly, Host-trawser & Ped-grift

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Eureka Teaming Co.

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Greenwalt, C. J.

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Wilkie Co., A.
Williams, F. A.

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Bradbury, Thos.
Cal Granite Co.

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I. L.

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Raymond Granite Co.

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OF SAN FRANCISCO

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Standard Portland Cement Co.

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Caldwell & Co.
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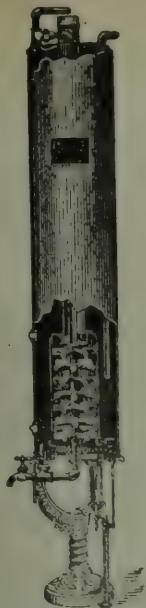
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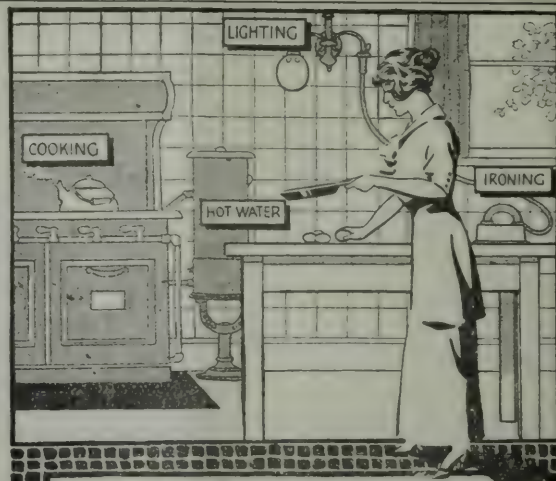
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Building and Engineering News

Devoted to the Architectural, Building, Engineering and Industrial Activities
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San Francisco, March 10, 1915

Fifteenth Year, No 10



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Editorial Comment.

Building contracts for the month of February totaled \$1,637,148 for San Francisco. Considering the fact that it was a short month the figures indicate a considerable activity in the line of construction. This amount is tabulated under the following heads: Brick and concrete, \$59,190; frame construction, \$515,954; alterations, \$165,655; Panama-Pacific contracts, \$75,250; City building construction, \$133,650; City street and sewer work, \$79,976; State work, \$51,887; U. S. Government, \$22,586. Of the total figure of \$1,637,148, \$1,273,799 was for private construction within the city showing that in this regard the city is about back to normal. This amount was about equally divided between fireproof and frame construction, practically a half million of each being recorded.

Compared with former years the record for February is as follows:

February, 1906	\$1,791,858
February, 1907	4,355,513
February, 1908	2,662,143
February, 1909	2,871,495
February, 1910	2,066,034
February, 1911	1,568,680
February, 1912	1,696,232
February, 1913	2,736,813
February, 1914	2,331,866
February, 1915	1,637,148

While the figures are a little less than for previous years they show an encouraging outlook, considering the weather conditions and the general topsy turvy condition of the civilized world.

Whether or not the weather proverb of entrance and exit of March in the year's calendar proves true in the present year certain it is that the first week of the present month has been one for lambs to play and gambol in. All of which should be good for the country generally and for the Exposition and the building business in particular. San Francisco is putting on her holiday attire. The streets are being decorated, flower boxes and floral decorations are making their appearance and the appearance of California sunshine and settled weather is heralding the approach of the far away visitors to the fair.

Of the success of the Exposition, there can be little doubt. The wonderful beauty of its arrangement and decoration, the scenic arrangement of its setting and above all the marvelous achievement of its lighting effects can not but strike the dullest mind with wonder. As a result every person who visits the Exposition is an active advocate to urge his friends to visit it. And as a consequence we may confidently expect that in the point of out-

side attendance from great distances this exposition will easily outstrip anything that has ever been held.

This means a considerable degree of prosperity for the Bay Cities and for California. Not only in the money that the visitors will leave, but in the permanent additions to the industries of the State. And among these the building industry should get its proper share.

All of which goes to show that it is now a good time to advertise. Let people know what you have to sell and where they can get it. In this regard the Missouri editor, who compared the codfish and the hen in a poetic masterpiece, proved beyond a doubt that it pays to advertise. Here is his argument:

The codfish lays a million eggs,

While the helpful hen lays one;

But the codfish does not cackle

To inform us what she's done;

And so we scorn the codfish coy,

But the helpful hen we prize;

Which indicates to thoughtful minds

It pays to advertise.

The American consulate at Dawson, Yukon Territory, certified shipments of gold bullion to the United States during 1914 to the value of \$3,865,500 compared with \$3,790,072 for 1913.

UNCORKING RUSSIA.

The consent of England to the conquest of Constantinople absolutely reverses the whole basis of European diplomacy. For two hundred years Russia has been seeking the warm waters. And for at least one hundred years Europe has been united to defeat that search. Now, if Constantinople is conquered, whether it is made a Russian city or an international protectorate, in either case Russia is uncorked.

It is a good thing. For Constantinople itself the worst that could happen would be that it would come under a Russian government no better than Russia has hitherto been—and even that would be an improvement on the Turk. But that will not happen. With its door open on Europe, Russia will become a part of Europe. The world's progress will enter, and Russia, with Constantinople with it, will be absorbed into the twentieth century.

Russia, twice defeated of the fruits of its victories, doubtless claimed of the allies that this time the fight with the Turk should be to a finish. The allies could not without stultification refuse. And so six months restored a justice which a hundred years of general peace had denied.—Fresno Republican.

The Electrical Equipment Of An Ocean Liner.

By Frank C. Perkins.

Ocean liners these days are particularly interesting. Many of the one-time Pacific messengers of civilization over the seas are now fitted out as destroyers of the commerce that they were once engaged in building. Such a ship is the Britannic of the White Star Line, and a description of her electrical apparatus will show how excellently the ocean greyhounds are equipped to carry on the minor duties of a great warfare on the seas.

The electrical installations of the are four engines and dynamos, each dynamo having a capacity of 400 k. w. at 400 volts. The engines are vertical, three-crank compound, forced lubrication, enclosed, each indicating 580 H. P. at 325 R. P. M., with high pressure, 18-inch diameter, and two low pressure cylinders, each of 20-inches diameter, with a stroke of 13 inches. The dynamos are compound wound, continuous current, of 10-pole type, and are directly coupled to their respective engines. These four main water-tight compartments, each contranged to be taken either into a surtaining two sets 45 feet long and 39 feet long by 21 feet high, adjoining the after end of the turbine room at the tank top level.

For the electric plant steam is supplied at 150-pound pressure from two separate lengths of steam pipes, connected on the port side of five boilers in compartment No. 1 and two in compartment No. 2 and on the starboard side to the auxiliary steam pipe, which derives steam from five boilers in No. 1 compartment, two in No. 2 compartment and two in No. 4. By cross connections at the engine room forward bulkhead steam can be taken from any boiler in the ship. The exhaust steam from the engines is surface heater, which is the condition at sea, or into an auxiliary condenser when in port, or into main condensers or atmosphere.

There are also auxiliary generating sets in addition to the four main generating sets, consisting of two 30 k. w. engines and dynamos situated on a platform in the turbine engine room casing on saloon deck level, 20 feet above the water line. They are of the same general type as the main sets, but two crank compound, each engine having cylinders 9-inch and 12-inch by 5-inch stroke, running at 380 R. P. M. These auxiliary emergency sets are connected to the boilers by means of a separate steam pipe running along the working passage above upper deck, with branches from three boiler rooms, Nos. 2, 3, and 5, so that should the main sets be temporarily out of action they can provide current for such lights and power appliances as would be required in the event of emergency. Working in conjunction with these emergency sets is a battery with a capacity of 3,500 ampere-hours, situated on promenade "A" deck, forward of first-class smoke-room starboard.

The electric lighting is equal to that of a good-sized town, the total number of incandescent lights being about 11,000, ranging from 8 to 16 c. p., the majority being of the Osram type, except in the machinery spaces and portable fittings, where carbon lamps are provided. There are special dimming lamps in the first-class rooms, and the electric bell system includes 1,700 bell pushes and 29 indicator boards distributed throughout the vessel, with fire alarm pushes distributed through the great liner and an alarm bell and indicator in the chart room.

There are electric heating, power, mechanical ventilation apparatus in service, altogether 188 motors and 605 electric heaters being installed throughout the vessel. The system of ventilation consists of electrically driven fans—some suction, others pressure, and in many cases provided with steam coils for warming the air. Loud-speaking telephones of navy pattern are fitted for communication between the wheel house on the bridge and fore-castle and after-docking bridge, engine room and wireless room, and also in the chief engineer's cabin.

The telephones are operated both from the ship's lighting circuit, through a motor generator, and alternatively by a stand-by storage battery, which is introduced in the circuit, should the main supply fail, by means of an automatic switch. There is also a separate telephone system for intercommunication between a number of the chief officials and service rooms, through a 50-line exchange switchboard. A number of the pantries and galleys are also in direct telephonic communication.

The apparatus for wireless telegraphy consists of a Marconi 5 k. w. motor generator. The house for the Marconi instruments is situated on the boat deck. There are four parallel aerial wires extending between the masts fastened to light brooms, from the aerials, connecting wires are led to the instruments in the house. There are two complete sets of apparatus, one for transmitting and one for receiving messages, the latter being placed in sound-proof chamber in one corner of the house. There is also an independent storage battery and coil.

For submarine signalling apparatus is provided for receiving signals from submerged bells. Small tanks containing microphones are placed on the inside of the hull of the vessel on the port and starboard sides below water level, and connected by wires to receivers situated in the port navigating room. The whistles are electrically actuated on the Willett Bruce system. The boiler-room telegraphs, stoking indicators, and a number of auxiliary appliances, such as rudder indicators, clocks and thermostats, are also electrical, and the water-tight doors are released by electro-magnets.

There are complete emergency circuits provided on the great ocean liner. A separate and distinct installation is fitted in all parts of the vessel, deriving current from two 30 k. w. sets and the 3,500 ampere-hour battery, so that in the event of current from the main dynamos being unavailable an independent supply is obtainable. Connected to the emergency circuit are about 500 incandescent lamps, fitted throughout all passenger, crew and machinery compartments, at the end of passages and near stairways, also on boat deck, to enable anyone to find the way from one part of the ship to the other. The following are also connected to the emergency circuit by means of change-over switches: Five arc lamps, seven cargo and gangway lanterns, wireless apparatus, boat davits, mast, side and stern lights, and all lights on bridge, including those of navigating and chart rooms, wheelhouse, telegraphs, compasses and Morse signalling lanterns.

The propelling machinery consists of a combination of reciprocating engines with a low-pressure turbine, which is claimed to be one of the latest developments in marine engineering. Harland & Wolff first adopted the system in White Star Dominion Canadian steamer "Laurentic," and the successful results obtained in this vessel led to the introduction of the system in the later vessels, so that at the present day the combination arrangement is being adopted in every vessel at present on the stocks at Belfast.

It is urged that by this system two main objects are attained—the greatest comfort insured to passengers by the smooth working of the ship, and, from an engineering standpoint, the utmost economy in the utilization of the steam, increased power being obtained with the same steam consumption by expanding the steam in the low-pressure turbine beyond the limits possible with the reciprocating engine.

From the Isolated Plant.

MARKS IN WOOD RECORD HEAVY WIND STORMS.

[Report from the Forest Service.]

WASHINGTON, D. C.—Little diagonal streaks or wrinkles across the grain of a piece of timber not only betray weakness, but sometimes indicate periods of stress through which the wood passed when it was growing. They may even be taken as a sort of check on the official record of wind storms, as in the case of some lumber tested at the forest service laboratory at Madison, Wisconsin.

The marks are caused by what are called "compression failures," which occur when the fibers bend or buckle under a too heavy strain. In cutting up logs collected for experiments at the laboratory, it was noticed that these compression failures appeared

on the north side of a number of trees which came from the same locality in Florida. By counting the annual rings of the wood and from knowledge of the time when it was cut in the forest, it was decided that the compression failures must have been caused by a severe wind from the south about the year 1898. Inquiries were made in Florida and it was found that a hurricane had, in fact, swept over the region at the time indicated.

The experiments have determined that the strength of a piece of wood may be seriously impaired by slight compression failures due to rough handling. Dropping a beam across a skid may cause a compression failure at the point at which the beam strikes the skid and it will be at this point that the beam gives way when it breaks under a strain too severe for the weakened fibers to withstand. Hitherto unaccountable breakage in hickory wagon spokes and other presumably strong material are now attributed to compression failures caused by wind storms in the period of growth or by hard usage in lumbering and manufacturing processes.

GOVERNMENT LABORATORY TESTS IN JANUARY.

Under the heading "Testing of Materials" the Director of the Bureau of Standards, Washington, D. C., reports as follows concerning the work for January, 1915:

During the month 250 samples of paper from the various Departments and 63 samples from outside parties were tested in the paper laboratory; 132 samples of textile materials were made (including 65 samples of uniform cloth for the Office of Indian Affairs), and 129 miscellaneous materials, such as leather belting, air-brake hose, rubber-covered wire, asbestos gaskets, and sheet packing water hose, and shot line for the Life Saving Service, and automobile-tire tubing. Chemical tests also were made for 14 States and municipalities and 11 departments and establishments of the Government. These included tests of various metal products, oils, and paint materials, metal polish, soaps, inks, and waterproofing materials. In the sugar laboratory of the Bureau optical tests were made of 108 samples of imported sugars for standardizing the Customs Service testing of such sugars.

GROUND WATER IN PARADISE VALLEY, ARIZONA.

Investigation by the United States Geological Survey.

At the request of Vice-President Marshall, Secretary Lane recently ordered the United States Geological Survey to investigate the ground waters of Paradise Valley, Arizona, with a view to ascertaining their availability for irrigation. This valley, which lies north of Phoenix and contains about 125,000 acres of land and much good soil but no visible water supply, has been occupied by settlers who have appealed to the Government for aid in developing such a supply. A report on the area, recently prepared by O. E. Meinzer and A. J. Ellis, will be published in the near

future for free distribution, but the following principal conclusions derived from the investigation are announced in advance by the Director of the Survey.

1. Paradise Valley is underlain by a deep deposit of detrital material which in its lower part is saturated with water.

2. Within the zone of saturation there are water-bearing gravels which probably in part represent ancient channels of Cave Creek.

3. The water table, or upper surface of the zone of saturation, slopes southward at an average rate of about 5 feet to the mile, which is much less than the slope of the land surface. Along the Arizona canal the depth to the water table is 50 feet, or slightly more; northward it increases as the land surface rises, until along the abandoned Verde canal it is nearly 300 feet.

4. In the region bounded on the south by the Arizona canal, on the west by the Phoenix Mountains and Camelsback Mountain, and on the east by the east line of Range 5, there is about 4,000 acres, exclusive of the Indian reservation, or nearly 10,000 acres including the reservation, in which the depths to the water table are less than 100 feet; and about 20,000 acres, exclusive of the Indian reservation, or probably about 27,000 acres including this reservation, in which the depths to the water table range between 100 and 200 feet.

5. The ground water of Paradise Valley is supplied from the run-off and underflow of Cave Creek, the run-off from the mountain areas directly tributary to Paradise Valley, and the rain that falls on the valley.

6. The run-off and underflow of the drainage basin of Cave Creek north of Paradise Valley, which has an area of 225 square miles, is discharged into Paradise Valley. Although much of the run-off escapes from the valley through a gap in the Phoenix Mountains, considerable quantities sink into the gravelly deposits and are added to the ground-water supply. The buried gravel beds that are believed to mark the ancient channels of Cave Creek should be in a favorable position to convey this water to the lower parts of the valley.

7. The ground water of Paradise Valley is nearly or wholly inclosed by impervious bedrock except at the south end, where there is undereflow into the Salt River valley.

8. There is no evidence of artesian structure in the valley fill nor in the surrounding bedrocks, and wells should be drilled with the understanding that pumping will be necessary.

9. Except near the Arizona canal the ground water is of good quality for domestic and industrial uses and for irrigation. Even that in the vicinity of the canal is believed to be usable for irrigation.

10. It is probable that the sanitary bottling of Paradise Valley well water for sale in Phoenix and other points in the Salt River valley could be developed into a profitable and beneficial industry.

11. Both the yield of wells and the ultimate supply of ground water will no doubt be found to be much less in Paradise Valley than in the Salt River valley, but the prospects for obtaining reliable supplies from underground

sources for irrigation on a small scale are sufficiently encouraging to justify the sinking and testing of wells.

12. On account of the great depths to the water table the cost of ground-water supplies will at best be high, but it is believed that if electric power is obtained at a low price, if crops are raised that are valuable and do not require very large quantities of water (as perhaps long-staple cotton), and if thrift and good management are applied, it will be practicable to pump the available supply of ground water for irrigation in the southern part of the valley.

AMERICA'S MINERAL PRODUCTS.

The mineral products of the United States are discussed in a small volume now being distributed by the United States Geological Survey which contains a fund of useful information concerning the useful minerals and their values and production in all the States during 1912 and 1913. The figures given in some of the tables are so stupendous as to be beyond comprehension. In one table are given the figures for mineral production from 1880 to 1913, the metals being valued at \$185,000,000 in 1880 and increasing to \$883,000,000 in 1913. The nonmetallic minerals increased from \$173,000,000 in 1880 to \$1,562,000,000 in 1913, and the total mineral production from \$365,000,000 to \$2,446,000,000. This total for 1913 was an increase over 1912 of more than \$200,000,000. The value of the metals imported for consumption in 1913 was \$237,000,000 and of these exported \$319,000,000. The value of the total mineral production from 1880 to 1913, inclusive, was \$85,197,000,000.

These huge figures are of general interest, but the chief value of the volume lies in the figures and discussion of the increased or decreased production of each State during recent years. Seventy principal minerals are discussed in the pamphlet, entitled "Mineral products of the United States in 1912 and 1913," a copy of which may be obtained free of charge from the Director, United States Geological Survey, Washington, D. C.

The report of the government statistician with reference to telephone and telegraph lines show that between 1907 and 1912 the telephone lines increased 54 per cent and that in the year 1912 the number of calls increased 32 per cent over the number of calls in 1907. The ever increasing use of the telephone is making it more and more a necessity. And when one figures out the time he loses by the bum service that so often exists here in San Francisco he often wonders why he has to pay about twice the rate that the people of Los Angeles do for the same sort of service. At the time the Home Telephone Company was absorbed by the Pacific Telephone & Telegraph Company, someone figured out that the daily loss of time to users of the telephone in San Francisco amounted to 70 years. So while this method of communication has shortened the time of most business transactions there is room for a great deal improvement insofar as the service here in San Francisco is concerned.

ADVANCE NEWS

Classified according to Character of Work

APARTMENT HOUSES.

SAN FRANCISCO—Apartment house, 3 story and base, frame, \$20,000. Architect, Charles E. Gottschalk, Phelan Bldg., S. F. Owners, Charles Farrell. The building will be erected on the north side of Filbert street west of Polk, and has been designed to contain a number of two and three room suites, all of which will have wall beds and private bath rooms. Interior finish will be of pine and elm panels. Some hardwood floors will be used. There will be steam heat, a hot water system and vacuum cleaning. Entrance will be finished in tile and marble. Tile wainscot and composition floors will be used in the bath rooms. Exterior of the building will be covered with cement plaster on metal lath. Plans are complete and figures are being taken.

SAN FRANCISCO—Apartment house, 2 story and base, frame, \$18,000. Architect, O. R. Thayer, 20 Montgomery street, S. F. Owners, McMillin and Von Voorheis. The building will be erected at the southwest corner of Grove and Clayton streets. The building will have a frontage of 40 feet on Clayton street and 112½ feet on Grove. The building has been designed with a high basement which will accommodate the automobiles of the tenants. First floor of the building has been arranged for a large lobby and social room, besides three suites of three rooms, one of four and one of two rooms. The second floor will contain five three-room apartments. Interior finish will be of pine throughout except the lobby and social room which will be finished in red gum. Living rooms and dining rooms will have hardwood floors. French doors with red gum trim will be used throughout. All apartments will have large dressing rooms and private baths. Steam heat, a hot water circulating system, portable vacuum cleaning and wall beds are specified. Bath rooms will have tile wainscot and composition floors. Outer vestibule will be finished in marble and mosaic. The building has been designed in the Spanish renaissance style and will be faced with brick veneer from the sidewalk to water table and with stucco above that point. A clay tile roof and clay tile cornice will be used. The entire investment will represent about \$25,000. Plans are being prepared.

PORTLAND, ORE.—Apartment house, 4 story and base, brick and steel, \$40,000. Architects, Jacobberger & Smith, Board of Trade Bldg., Portland. Owner, E. A. McGrath. The building will be erected at the corner of Park and Taylor streets and will cover an area of 50 by 100 feet. The building has been designed to contain a number of two and three room apartments. Interior will be finished in pine and hardwood. There will be wall beds and private bath rooms. Plans provide for steam heat, elevator

service and hot water system. Dumb waiters will be installed. Bath rooms will be finished in tile. Marble and tile wainscot will be used in the entrance. Exterior of the building will be faced with pressed brick. Plans will be out for figures in a week or ten days.

LOS ANGELES, CAL.—Apartment house, 2 and 5 story and base, reinforced concrete. Cost not stated. Architect, Arthur B. Benton, 114 South Spring street, L. A. Owner, O. T. Johnson. The building will be erected on Bolsa street near Crown Hill avenue, covering an area of 50 by 100 feet. There will be 50 suites of two and three rooms. Interior finish will be of pine and hardwood veneer. Hardwood floors will be used in the living and dining rooms. There will be wall beds and private bath rooms. Plans provide for steam heat and hot water circulating system. Bath rooms will be finished in tile. Exterior of the building will be faced with cement plaster. Plans are being prepared.

Contracts Awarded.

SAN FRANCISCO—Apartment house, 3 story and base, frame, \$14,700. Architect, J. F. Dumm, Monadnock Bldg., S. F. Owner, Frank Young. Contractor, W. H. Morphy, 2312 Clay street, S. F.

BANKS

OAKLAND, CAL.—Bank, 1 story and base, steel and granite, \$15,000. Architect, Walter Reed, Oakland Bank of Savings Bldg., Oakland. Owners, Oakland Bank of Savings. This bank will erect a branch on the north side of Seventh street between Union and Adeline streets. Interior will be finished in pine, hardwoods, ornamental plaster and marble. Some ornamental iron and bronze will be used. There will be a tile floor. Plans provide for special bank fixtures, safe deposit vaults and coin vaults. There will be steam heat and a vacuum cleaning system. Metal window frames and sash are specified. Exterior of the building will be faced with cut granite. Plans are now being prepared.

OAKLAND, CAL. Bank Alterations. Class C construction, \$10,000. Architect, Benj. G. McDougall, Sheldon Bldg., S. F. Owners, Central Savings Bank. The ground floor of the building at the northeast corner of 14th and Broadway will undergo alteration. The plans include some steel work, plastering, ornamental iron and bronze, painting, electric work and interior finish. Plans are complete and figures will be called for at once.

BONDS.

FRESNO, FRESNO CO., CAL.—To obtain \$10,000 with which to install a water plant at Mountain View Cemetery and to make other improvements, the directors of the Mountain View Cemetery Improvement Associa-

tion are planning the disposal of bonds in this amount.

The bonds are \$100 denomination to bear interest at 7 per cent, payable semi-annually. It is believed there will be no difficulty in disposing of them.

VACAVILLE, SOLANO CO., CAL.—The Town Trustees have decided to hold another bond election, and the necessary preparations are now being made. The election held some time ago was declared invalid.

The proceeds of the sale, should the election carry, will be used in making street improvements amounting to \$30,000.

AUBURN, PLACER CO., CAL.—District Attorney Landis will shortly institute a friendly suit on behalf of the Trustees of the Roseville Union High School District against the Blythe-Witter Company of San Francisco to compel the latter to take the \$40,000 bond issue, for which the firm's bid was accepted.

After the bid was accepted, the attorneys for the purchasing company rendered an opinion that the issue was illegal, on the ground that the Supervisors had canvassed the returns before all the precincts had been heard from. Two precincts, in which no votes were cast, neglected to send in reports.

PORTLAND, ORE.—Steps will be taken immediately towards the disposal of \$200,000 bonds voted at the last election held in this city for the purpose of constructing a municipal garbage incinerator. The site for the structure has not been selected and the plans or details are at a standstill.

Commissioner Daly proposes to present an ordinance to the Council at an early date for the purpose of advertising the bonds for sale, and after this matter has been disposed of other details preparatory to the erection of the building will probably be taken up.

A structure to be of reinforced concrete will probably be built and an engineer or company who makes a specialty of such buildings will probably be employed to design and prepare the necessary plans and to superintend its erection.

CATHLAMET, WASH.—The Cathlamet School District will vote bonds of \$9,000 on March 20th. The proceeds of the election will be used in the construction of a school building for the district.

SANTA BARBARA, SANTA BARBARA CO., CAL.—The \$20,000 library bonds, of which about half have been sold, are now ready for delivery and may be secured at the Santa Barbara County National Bank. Chas. A. Edwards is acting as treasurer of the project. Bonds are in the denomination of \$100 and bear 6 per cent interest.

EUREKA, HUMBOLDT CO., CAL.—The Humboldt County Board of Supervisors at their last regular meet-

ing authorized the purchase from the state of \$200,000 worth of State Highway bonds, making a total of \$600,000 invested by that county.

FULLERTON, ORANGE CO., CAL.—Bonds in the sum of \$500,000 will be voted here at an early date for good road purposes.

FRESNO, FRESNO CO., CAL.—Petitions circulated in Fresno County asking the Board of Supervisors to call an election to vote bonds of \$3,000,000 for good roads, have been declared invalid.

The Fresno Chamber of Commerce will give a ball in the near future, the proceeds to defray expenses for the securing of new signatures to petitions for an election to vote the \$3,000,000.

REDONDO BEACH, LOS ANGELES CO., CAL.—Two propositions will be submitted to the voters of Redondo Beach on March 11th. One proposition to be voted will be an issue of \$121,000 in bonds for the construction of a pleasure pier for the municipality and another issue for \$17,000 for the purchase and improvement of a library site.

YUMA COUNTY, ARIZ.—The Board of Supervisors will receive bids until 10 o'clock a. m. March 16th, for the purchase of \$500,000 in bonds for the securing of funds with which to complete highway improvements. R. I. Winn is clerk of the Board of Supervisors to whom bids must be addressed.

POMONA, LOS ANGELES CO., CAL.—The Pomona City Council has now under consideration the matter of calling a special bond election at which time the people will decide the question of issuing bonds in the sum of \$25,000 for street improvements and the construction of a storm drainage system.

GALT, SACRAMENTO CO., CAL.—The Galt School Trustees have taken the preliminary steps to call an election to vote bonds of \$20,000 for the erection of a high school building.

HUNTINGTON BEACH, ORANGE CO., CAL.—A bond issue of \$75,000 has been approved by the voters at Huntington Beach by a vote of four to one. The proceeds of the sale of the bonds will be used in the construction of a school building.

NUOVO SCHOOL DISTRICT, LOS ANGELES CO., CAL.—The Nuevo School District has voted bonds of \$3,000 for the construction of a school building.

GLENDAL, LOS ANGELES CO., CAL.—By a vote of 547 to 201 against the voters of Glendale have approved the issue of \$6,000 bonds for the purpose of furnishing the new grammar school building.

WILSON SCHOOL DISTRICT, TULARE CO., CAL.—An election will be held in the Wilson School District on March 13th to vote bonds of \$2,800. The proceeds of the election will be used in the construction of a new school building for the Wilson District.

J. J. Adams and W. T. Winters are trustees of the district.

PETALUMA, SONOMA CO., CAL.—An ordinance of charter series, 120, calling for the unqualified bids for \$20,000 for the improvement of Washington street, the city to advertise for bonds at 5 per cent interest, the date to be from March 1st to March 15th,

was ordered at a recent meeting of the Petaluma officials.

LAKEPORT, LAKE CO., CAL.—A meeting of a committee from the Boosters' Club was held in Lakeport recently to discuss the question of requesting the high school board of trustees to call a special bond election for the purpose of erecting a new high school building. It was decided by a unanimous vote to go ahead with the election.

The cost of the new building is placed at \$25,000, this amount to be specified in the petitions.

HANFORD, KINGS CO., CAL.—The report of the commissioners on the Kings County bond issue, as required by law, will be presented to the Supervisors during their March session, so states Commissioner C. C. Spinks. The mileage has been increased to 97½ miles, which at the estimated cost per mile will make a total cost of \$656,605, or the amount of the bond issue asked for.

LOS ANGELES, CAL.—At a meeting of the Board of Supervisors, the proposal of N. W. Halsey & Co. for the purchase of bonds of the Los Angeles City School District of \$53,600 was accepted.

OCEANSIDE, SAN DIEGO CO., CAL.—The City Trustees have directed the City Attorney to prepare the necessary papers for an election for voting bonds for the erection of a city hall and pavilion building. It is expected that a date for the election will be set at the next meeting of the Board.

Plans for both buildings are being prepared by Architect D. H. Holmes of San Diego.

FRESNO, FRESNO CO., CAL.—At a mass meeting to be held on March 10th, the matter of calling a special election for the voting of bonds in the sum of \$175,000 for the construction of a municipal garbage incinerator will be discussed.

MONTEREY, MONTEREY CO., CAL.—The Board of Supervisors has adopted a resolution declaring its intention of investing \$250,000 of the money received last week from the sale of Monterey County bonds in State Highway bonds. Chairman Casey was empowered and directed, in the name of the county, to make application to purchase State Highway bonds to that amount and to bid therefor the par value of the bonds and accrued interest. Of this amount \$125,000 will be for the State Highway bonds heretofore reserved for Monterey County, and \$400,000 will be for the issue of State Highway bonds to be sold March 16th.

TURLOCK, STANISLAUS CO., CAL.

—At a meeting of the Turlock fire department a committee, consisting of A. P. Ferguson, A. Barrieklow and E. H. Wolfe, was appointed to appear before the City Council and request an immediate resubmission of the proposition to bond the city for \$15,000 to purchase a combination chemical-hose auto truck, and electric fire alarm system and other equipment. Bonds for this purpose were voted last year and the bonds were sold, but later were refused by the buyers on account of irregularity in the proceedings. At the election held last year the bonds were voted by a heavy majority and it is believed that they will easily carry at another election if called. The

efficiency of the Turlock fire department is seriously handicapped by lack of apparatus.

DELANO SCHOOL DISTRICT, KERN CO., CAL.—Sealed bids will be received until April 8th by the Board of Supervisors for the purchase of bonds in the sum of \$23,000 of the Delano School District.

The proceeds of the sale will be used in the construction of a new school building for the district. Further information relative to the sale may be had from H. A. Jastro, chairman of the Board of Supervisors.

HUNTINGTON BEACH SCHOOL DISTRICT, ORANGE CO., CAL.—Sealed bids will be received for the purchase of bonds in the amount of \$70,000 of the Huntington Beach School District until March 16th.

The proceeds of the sale will be used in the construction of a school building. Further information regarding the sale may be obtained from W. B. Williams, County Clerk of the Board of Supervisors.

PORTLAND, ORE.—The City Council has been asked by the Public Dock Commission to submit a measure before the people at the June election authorizing the issue of \$100,000 in dock bonds for the construction of elevator docks. A tentative draft of the measure has been prepared and will be acted on by the City Council immediately. This issue of \$100,000, if adopted, will place more funds at the disposal of the Dock Commission for the construction of docks.

BOISE, IDAHO.—A bill has been introduced in the Senate for the erection of a Supreme Court building. The sum of \$15,000 is asked of the state for the construction of the proposed structure.

SAN LUIS OBISPO, SAN LUIS OBISPO CO., CAL.—John W. Barneberg, President of the Commercial bank of Board of Supervisors requesting that arrangements be made for the voting of bonds of \$1,000,000.

The purpose of the bond issue will be for raising the necessary funds with which to construct four highway roads. The roads now under consideration are as follows:

Highway from San Luis Obispo to Cambria.

Highway from San Luis Obispo to Arroyo Grande via Edna.

Highway from the Junction House to Avila.

East and West highway from Paso Robles to the county line to connect with a similar highway from McKittrick in Kern County.

All of the roads proposed would be constructed similar to the State Highway being of sound base and concrete surface.

PORTERVILLE, TULARE CO., CAL.—A movement has been started to call a special election to vote bonds of \$50,000 for the purchase of a site and the erection of a new city hall building.

HANFORD, KINGS CO., CAL.—The Board of Supervisors of Kings County has authorized the purchase of \$70,000 of State Highway bonds to complete the Seventh street extension at Hanford, which is a portion of the State Highway.

CHULA VISTA, SAN DIEGO CO., CAL.—The Board of Education is considering the calling of a special bond

election to vote bonds of \$25,000 for the erection of a new school building.

BOAT HOUSE

OAKLAND, CAL.—Canoe house and water tower, 1 story, frame and reinforced concrete. Architect, Walter D. Reed, Oakland Bank of Savings, Oakland. Owners, City of Oakland. Bids opened by the Oakland Park Trustees for the construction of a one-story reinforced concrete canoe house and for a frame water tower show George A. Bos, Hearst Bldg., S. F., low for the canoe house at \$11,398 with lockers and \$11,323 without lockers. Schnebly, Hostrawser & Pedgrift, Oakland, submitted the lowest figure for the water tower at \$2,115. Contracts will be awarded Wednesday for this work. A complete list of the bids appears under the heading of Oakland and Alameda County in this issue.

BRIDGES AND DAMS.

BAKERSFIELD, KERN CO., CAL.—Bridge, reinforced concrete and steel. Cost not stated. Engineer, County Surveyor, Bakersfield. Owners, Kern County. By a unanimous vote the Board of Supervisors has annulled the contract for the construction of the proposed Poso Creek bridge which was awarded to J. R. Rogers on February 11th. New bids will be advertised for at once.

STOCKTON, SAN JOAQUIN CO., CAL.—Bridge, steel and reinforced concrete, \$122,000. Engineer, County Surveyor Frank E. Quail, Stockton. Owners, San Joaquin County. County Surveyor Frank E. Quail has presented to the Supervisors plans and specifications for the construction of the proposed Borden bridge across Middle and Old Rivers. On approval of the plans bids will probably be called for.

VALLEJO, SOLANO CO., CAL.—Bridge, steel and reinforced concrete. Cost not stated. Engineers, County Engineers, Owners, Sacramento and Solano Counties. According to word received, Sacramento and Solano Counties have come to an agreement on the first unit of the work that is to be done on the proposed bridge that is to be constructed across the Sacramento River at Rio Vista. The engineers of both counties have been instructed to hold a conference with reference to the plans as soon as possible and after these are settled upon, they will be submitted to the Solano County Board at its meeting in April and bids will then be ordered advertised for. The first unit of the work consists of driving of piling to Wood Island, and this will be the start of the Sacramento approach.

PLACERVILLE, ELDORADO CO., CAL.—Bridge, reinforced concrete. Cost not stated. Engineer, City Engineer, Placerville. Owners, City of Placerville. The Trustees of this city have decided to construct a cement and steel bridge across Hangtown Creek at the Placerville foundry, and will do the work under the Day Labor system. Bids for supplying cement and steel for the new structure will be called at the next meeting of the Board.

Contracts Awarded.

RICHMOND, CONTRA COSTA CO., CAL.—Municipal wharf, timber pile construction, \$212,344. Engineers, Haviland & Tibbitts, Alaska-Commercial Bldg., S. F. Owners, City of Rich-

mond. Contractors, Healy-Tibbitts Construction Co., S. F. Contract price, \$212,344. A complete list of the bids received for this work will be found under the heading of Marin, Contra Costa and Sonoma Counties in this issue.

RICHMOND, CONTRA COSTA CO., CAL.—Dredging, \$7,434.66. Engineer, City Engineer, Richmond. Owners, City of Richmond. Contractors, American Dredge Co., Richmond. Contract price, \$7,434.66.

STOCKTON, SAN JOAQUIN CO., CAL.—Dredging. Cost not stated. Engineer, County Surveyor, Stockton. Owners, San Joaquin County. Contractors, San Joaquin Ditching Co. Contract price, \$70 per day of 24 hours.

SEATTLE, WASH.—Bridge, lift span, steel and concrete, \$1,305,063. Engineer's name not given. Owners, States of Washington and Oregon. The following awards have been made on the construction of the interstate bridge between Vancouver, Wash., and Portland, Ore., all figures being for lift span: Contract 1, furnishing superstructure, U. S. Steel Products Co., \$417,316. Contract 2, erection of superstructure, Porter Bros., \$99,829. Contract 5, superstructure Col. and Oregon Slough, Northwest Steel Co., \$89,140. Contract 6, erection superstructure, Porter Bros., \$18,586. Contract 7, substructure Col. span, Pacific Bridge Co., \$319,415. Contract 9, substructure Col. and Oregon Slough, Pacific Bridge Co., \$119,759. Contract 10, embankments, Tacoma Dredging Co., \$158,214. Contract 11, slabs and paving, Warren Construction Co., \$82,802. Total, \$1,305,063. All bidders are from Portland with the exception of Tacoma Dredging Co. Bids for contract No. 12 for pavement on embankments were rejected.

COURT HOUSES.

SAN FRANCISCO—City Hall work. Cost not stated. Architects, Bakewell & Brown, 251 Kearny street, S. F. Owners, City and County of San Francisco. Architects Bakewell & Brown have completed plans and specifications for the painting, glass and glazing and for the finish hardware for the City Hall. Bids will be called on this work as soon as the plans are approved by the Board of Public Works. Further notice will be given at that time.

SAN DIEGO, SAN DIEGO CO., CAL.—City hall and auditorium, 5 story and base, reinforced concrete, \$500,000. Architect, Harrison Albright, McLaughlin Bldg., L. A. Owner, John D. Spreckels, to be leased to the City of San Diego. The building will be erected on the south side of Broadway between Front and Union streets, covering an area of 200 by 100 feet. Only preliminary plans have been prepared and details of construction have not been given out. The proposition to lease the building is now being considered by the City Council. Further mention will be made of the work.

FACTORIES AND WAREHOUSES

SAN FRANCISCO—Warehouse, 4 story and base, mill construction, \$150,000. Architect, Leo J. Devlin, Pacific Bldg., S. F. Owner, John Rapp, leased to Dunham, Carrigan & Hayden. The building will be erected at

the southwest corner of Division and Kansas streets, and will cover a large ground area. Construction will be of the slow burning, heavy mill type. A complete description of the work was published in these columns last week. Bids have been taken and contracts will be awarded within the next few days.

SAN FRANCISCO—French laundry, 2 story, frame alterations. Cost not stated. Architect, Albert L. Lapachet, French Bank Bldg., S. F. Owners, Bryant Street French Laundry. These alterations will consist of interior rearrangement, plumbing, plastering, electric work and the installation of laundry machinery. Plans are being prepared and figures will be called for in a few days.

SAN FRANCISCO—Factory repairs, 2 story and base, frame, \$6,000. Architect, none. Owners, San Francisco Casket Co., 621 Guerrero street, S. F. The building, recently damaged by fire, will be repaired. This work will include new interior trim, plumbing, painting, plastering and electric work. Some new exterior work will also be required. Plans are complete and in the hands of the owners who will do the work by Day Labor.

FRESNO, FRESNO CO., CAL.—Shop and office, 1 story, frame, \$4,000. Architect, none. Owners, Thompson Bros., 1514 H street, Fresno. The building will cover an area of 40 by 80 feet, and has been arranged for offices in the front portion and a shop in the rear. Interior of the offices will be finished in pine. There will be special machinery. Exterior will be covered with rustic and shiplap. Plans are complete and in the hands of the owners who will do the work by Day Labor. Materials are being purchased.

LOS ANGELES, CAL.—Lofts, 2 and 3 story and base, brick and steel. Cost not stated. Architect, Frank Tandy, 360 South Alvarado street, L. A. Owner, Frank Tandy. The building will be erected at the corner of Eighth and Wall streets, having a 40-foot frontage on one street and 125 feet on the other. Interior will be finished in pine throughout. There will be metal window sash and frames. Plans provide for steam heat and a freight elevator. Exterior of the building will be faced with pressed brick. Plans are complete and figures are being taken.

SAN FRANCISCO—Factory, 2 and 4 story and base, reinforced concrete, \$150,000. Engineer, Engineering Department, American Can Co., New York, local representative Mr. Woods. The company has purchased a large tract of land in the Potrero District, and will improve the same with one of the most modern can manufacturing factories in the country. Plans will be forwarded to this city within the next week or ten days. Further mention will be made of the proposed buildings.

Contracts Awarded.

SEBASTOPOL, SONOMA CO., CAL.—Factory, 1 story, frame, \$12,000. Architect, none. Owners, Sebastopol Berry Growers Association, Sebastopol. Contractors, Baily-Comstock Co., Santa Rosa. Contract price, \$12,000.

SAN FRANCISCO—Warehouse, 4 story and base, mill construction, \$150,000. Architect, Leo J. Devlin, Pacific Bldg., S. F. Owner, John Rapp,

leased to Dunham, Carrigan & Hayden. Contractors, James S. Fennell, brick work, and R. A. Chrisholm, carpentry work. Contract prices not stated.

FIREHOUSES AND JAILS

OAKLAND, CAL.—Detention home, 2 story and base, reinforced concrete, \$75,000. Architect, Henry H. Meyers, Kohl Bldg., S. F. Owners, Alameda County. Plans are being prepared for a large two-story and basement detention home. The main portion of the building will have a frontage of 150 feet. Besides this there will be two wings each 100 feet in depth. The main floor will contain offices, a juvenile court room, kitchen, dining room, class rooms and play rooms. Upper floor will be arranged for dormitories and single rooms. Interior finish will be of pine with tile floors. Plans provide for steam heat, a hot water system and vacuum cleaning. The exterior treatment has not been fully decided upon but will probably be of cement plaster with a clay tile roof. Plans will be complete and ready for figures in about thirty days.

FLATS.

SAN FRANCISCO—Flats, 3 story and base, frame, \$5,600. Architect, none. Owner, Gustav Spitz, 232A Langton street, S. F. The building will be erected on the west side of Langton street, north of Howard, having a frontage of 25 feet and a depth of 52 feet. There will be three modern flats of four, five and six rooms. Interiors will be finished in pine and redwood. There will be open fire places and tile mantels. Some hardwood floors will be used. Bath rooms will have tile wainscot and composition floors. Exterior will be covered with rustic and cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor. Materials are now being purchased.

SAN FRANCISCO—Flats, 2 story and base, frame, \$5,000. Architect, H. E. Harris, Monadnock Bldg., S. F. Owner, C. A. Rushton, 3744 9th avenue, S. F. The building will be erected at the southwest corner of Cabrillo and 9th avenue, covering an area of 25 by 85 feet. There will be four modern flats of four and five rooms, each with sleeping porch. Interiors will be finished in pine, redwood and elm. Hardwood floors will be used in the living and dining rooms. There will be furnace heat and open fire places. Mantels will be of tile or brick. Bath rooms will have tile wainscot and composition floors. Automatic water heaters will be installed. Exterior of the building will be covered with rustic and cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor. Materials are now being purchased.

SAN FRANCISCO—Flats, 2 story and base, frame, \$5,500. Architect, Charles C. Frye, 20 Montgomery street, S. F. Owner's name withheld. The building will be erected in the Richmond District, and has been designed for a two-flat building, each flat to contain six rooms and bath. Interior will be finished in pine and elm pan-

els. Hardwood floors will be used in the living rooms, dining rooms and reception halls. There will be furnace heat and open fire places. Mantels will be of tile or brick. Tile wainscot and floors will be used in the bath rooms. Exterior of the house will be covered with rustic and cement plaster on metal lath. Plans are now being prepared.

SAN FRANCISCO—Flats, 3 story and base, frame, \$5,000. Architect, C. Fantoni, 916 Kearny street, S. F. Owner's name withheld. The building will be erected on Stockton street between Greenwich and Filbert, and has been designed to contain three flats of four, five and six rooms. Interiors will be finished in pine and redwood. Some oak floors will be used. Each living room will have an open fire place with tile or brick mantel. Bath rooms will be finished in imitation tile. Tile and mosaic will be used in the entrance. Exterior of the building will be covered with rustic and cement plaster on metal lath. Plans are being completed and the work will be done by Day Labor.

SAN FRANCISCO—Flats, 3 story and base, frame, \$11,000. Architect, C. Fantoni, 916 Kearny street, S. F. Owner's name withheld. The building will be erected at the northeast corner of Filbert and Stockton streets, and has been designed for one store on the first floor and two modern flats on the upper floors. Interiors will be finished in pine and redwood. Hardwood floors will be used in the living and dining rooms. There will be open fire places in the living rooms. Bath rooms will have tile wainscot and composition floors. Exterior will be covered with cement plaster on metal lath. Plans are complete and figures are being taken.

BERKELEY, ALAMEDA CO., CAL.—Flats, 2 story and base, frame, \$7,500. Architect, none. Owner, E. L. Malsbary, 2201 Channing Way, Berkeley. The building will be erected on Fulton street south of Channing Way, and has been designed to contain 16 rooms. Interior finish will be of pine, redwood and elm. Hardwood floors will be used in the principal rooms. There will be a central heating system and hot water supply. Bath rooms will have tile floors and wainscot. Large open fire places will be a feature of each of the living rooms. Mantels will be of tile. Entrance will have marble wainscot. Exterior of the building will be covered with ship-lap and rustic. Plans are complete and in the hands of the owner who will do the work by Day Labor.

BERKELEY, ALAMEDA CO., CAL.—Flat, 2 story and base, frame. Cost not stated. Architect, John Hudson Thomas, First National Bank Bldg., Berkeley. Owner, Walter L. Thomas. The building will be erected at the corner of Snyder and Ninth streets, and has been designed for a store on the first floor and a flat above. Interior will be finished in pine and redwood. There will be an open fire place and tile or brick mantel. Hardwood floors will be used in the living and dining rooms. Exterior of the building will be covered with cement plaster on metal lath. Plans are complete and figures are being taken.

SOUTH SAN FRANCISCO, SAN MATEO CO., CAL.—Flat, 2 story and base,

brick, \$5,000. Architect, C. Fantoni, 916 Kearny street, S. F. Owner's name withheld. The building will contain a store on the first floor and two small flats on the second floor. Interior will be finished in pine throughout. There will be open fire places and tile or brick mantels. Bath rooms will have tile wainscot and composition floors. Patent store fronts are specified. Exterior of the building will be faced with pressed brick. Plans are now being prepared.

SAN FRANCISCO—Flats, 2 story and base, frame, \$4,000. Architect, none. Owner, William Miller, 49 Park street, S. F. The building will be erected on the east side of Florida north of Army street and has been designed to contain four small flats. Interiors will be finished in pine and redwood. Some hardwood floors will be used. There will be open fire places and tile mantels. Bath rooms will have imitation tile wainscot and composition floors. Exterior of the building will be covered with rustic and cement plaster. Plans are complete and in the hands of the owner who will do the work by Day Labor.

SAN FRANCISCO—Flat additions and alterations, frame construction, \$3,000. Architect, none. Owner, M. J. Depew, 308 San Jose avenue, S. F. The work will consist of an addition of three rooms, new interior finish plastering, plumbing and electric work in the old portion of the building. Exterior will be covered with rustic and shiplap. Plans are complete and in the hands of the owner who will do the work by Day Labor.

GOVERNMENT WORK & SUPPLIES.

PROSPECTIVE BIDDERS.

Supervising Architect.

Specifications for work under the office of the supervising architect have been furnished to the following firms in addition to those previously noted in these columns:

Pendleton, Ore., Construction, March 25

Bedford Stone Club, Bedford, Ind.
Erickson & Larson, Seattle, Wash.
James S. Winters, 605 Couch Building, Portland, Ore.

E. D. Loch & Sons, 34 F street, Salt Lake City, Utah.

Palmberg & Mattson, 829 Commercial street, Astoria, Ore.

J. H. Wiese, City National Bank Building, Omaha, Neb.

J. L. Murphy & Sons, 3138 N. Ferdinand street, Tacoma, Wash.

H. E. Doehring, 568 Maple street, Portland, Ore.

Welch Brothers & Hannaman, 15th and Jefferson streets, Oakland, Cal.

Olson & Johnson, Missoula, Mont.

J. B. Sweatt, 406 Roockery Building, Spokane, Wash.

Sound Construction and Engineering Co., Seattle, Wash.

Bailey-Marsh Co., Metropolitan Life Building, Minneapolis, Minn.

John Almeter, 626 7th street, Portland, Ore.

Yards and Docks.

Specifications for work under the bureau of yards and docks, Navy Department, have been furnished to the following firms in addition to those previously mentioned in these columns:

Cavite, Foundations, March 13—Specification 2133.

W. N. Concanon, San Francisco, Cal.
The Foundation Co., New York City.
H. H. Peterson, 1328 Broadway, New York City.

Henry Monk, Pensacola, Fla.
Atlantic Gulf & Pacific Co., Park Row Building, New York City.

Carnegie Steel Co., Philadelphia, Pa.
Pacific Construction Co., San Francisco, Cal.

Universal Radio Syndicate, London, S. W., England.

Mare Island, Refrigerating Plant.

All bids received December 12 by the bureau of yards and docks for the construction of a refrigerating plant at Mare Island, Cal., have been rejected. The plans are to be revised and new bids called for. The preliminary work will require approximately 30 days.

Must Fulfill U. S. Contracts.

The Attorney General has given an opinion in regard to the increased cost of contract supplies in consequence of the European war. A firm which entered into contract before the outbreak of the European war to furnish supplies to the Treasury Department petitioned the Secretary of the Treasury for relief from further performance of its contract because of the increased price of contract supplies due to the war. The Attorney General held that the contractors were obligated to perform the contract, if valid, if performance were physical possible; that the existing hardship gave them no right to avoid the obligation; that no executive officer has power to suspend, rescind, or relieve from the obligation of a valid contract when either would be detrimental to the United States, however burdensome performance might be, especially where the added burden is not caused by the United States, and that in such cases relief can be granted only by Congress, which body alone has power to recognize a moral claim for relief.

Bronze Slide Gates.

The Secretary of the Interior has authorized the Reclamation Service to execute contract with the Pelton Water Wheel Co., of San Francisco, Cal., for furnishing bronze slide gates for use at Roosevelt dam, Salt River irrigation project, Ariz. The contract price is \$6,600.

Wood Stave Pipe...

The following bids were received at the office of the U. S. Reclamation Service, Sunnyside, Wash., for 20-inch wood stave pipe, Sunnyside irrigation project, Sunnyside, Wash.:

Bid 1. Washington Pipe & Foundry Co., Tacoma, Wash.

2. Redwood Manufacturers' Association, San Francisco, Cal.

3. Pacific Tank & Pipe Co., Portland, Ore.

4. Pacific Coast Pipe Co., Ballard, Wash.

5. George P. Wright, Tacoma, Wash.

Schedule No. 1. Item 1, 20-inch wood stave pipe, complete, in place, except bands and painting, about 5,520 lin ft—Bid 1, 42.5c; 2, 80c; 3, 44.2c; 5, 55c.

Item 2, 3/4-inch steel bands with shoes, etc., for 20-inch pipe, complete,

in place, approximately, 7,720 bands—Bid 1, 18c; 2, 16.6c; 3, 15.4c; 5, 65c.

Item 3. Painting wood stave pipe—Bid 1, 60c; 3, \$1.35; 5, 65c.

Schedule 1-A. Item 1-A, 20-inch pipe for 50-ft head, complete, in place—Bid 1, 77 1/2c; alternate, 60.6c; 3, 63.5c.

Schedule B-1. Item 1-B, 20-inch pipe for 50-ft head—Bid 1, 49c; alternate, 46.5c; 2, 55 1/2c; 3, 47.7c; 4, 49c.

Lander, Wyo., Screens.

The following bids were received by the supervising architect, Treasury Department, Washington, D. C., for furnishing door and window screens for the U. S. post office at Lander, Wyo.:

Willer Mfg. Co., Milwaukee, Wis., \$1,125.

The E. T. Burrowes Co., Portland, Me., \$1,165.

Wm. H. Jamouneau Co., Newark, N. J., \$1,350.

Bronze Slide Gates.

Abstract of proposals under specifications No. 416F for bronze slide gates, Salt River project, Arizona, opened at the office of the chief electrical engineer, U. S. Reclamation Service, Los Angeles, Cal.:

The Pelton Water Wheel Co., San Francisco, Cal., \$6,600.

Llewellyn Iron Works, Los Angeles, Cal., \$6,950.

Fulton Engine Works, Los Angeles, Cal., \$6,957.

Joshua Hendy Iron Works, San Francisco, Cal., \$8,212.

Mare Island, Cal., Officers' Quarters.

The following bids were received by the chief of the bureau of yards and docks, Navy Department, Washington, D. C., for the construction of two bungalows for marine officers' quarters at the navy yard, Mare Island, Cal.:

Item 1, Work, complete; 2, deduct from item 1 for omitting certain work. Monson Bros., San Francisco, Cal., item 1, \$7,800; 2, \$141.

A. T. Spence, San Francisco, Cal., item 1, \$8,964; 2, \$150.

Pringle, Dunn & Co., San Francisco, Cal., item 1, \$8,245; 2, \$164.

George W. Buxton & Son, San Francisco, Cal., item 1, \$1,372.

W. G. Thornelly, Oakland, Cal., item 1, \$7,290; 2, \$160.

S. J. Weeks, Vallejo, Cal., item 1, \$6,975; 2, \$147.

Gutleben Bros., San Francisco, Cal., item 1, \$7,932; 2, \$212 and deduct \$338 conditionally.

Honolulu, H. T., Painting.

The contract for painting interior, exterior and roof of the U. S. post office at Honolulu, H. T., has been awarded to H. F. Bertelmann at \$759.

Wood Stave Pipe.

The Reclamation Service has been authorized by the Secretary of the Interior to accept the proposal of the Pacific Pipe & Tank Co., of Portland, Ore., for the construction of wood stave pipe for the Snipes Mountain pumping plant of the Sunnyside unit, Yakima project, Wash. The bid of this company, \$11,093.73, was the lowest of the seven proposals received for this contract. The contract calls for 905 feet of 60 inch and 3,355 feet of 30-

inch pipe and the necessary steel bands and shoes in place.

MARE ISLAND, CAL.—Barracks, 2 story and base, reinforced concrete, \$200,000. Architect, U. S. Department of Yards and Docks, Washington, D. C. Owners, United States Government. Mare Island is assured of a new brigade barracks building, costing \$200,000. This amount was included in a bill passed in Congress on March 5th. Money will be available at once, and construction will be started as soon as plans can be prepared. The building will probably be of reinforced concrete construction.

HALLS AND SOCIETY BUILDINGS.

OAKLAND, CAL.—Lodge hall, 2 story and base, frame, \$20,000. Architect, Frederick Soderberg, Union Bank of Savings, Oakland. Owners, Oakland Swedish Hall Association. The building will be erected at the corner of 23rd and Telegraph, and has been designed for stores on the first floor. Upper floor will contain lodge room, ladies' parlor, meeting rooms and offices. Interior will be finished in pine and redwood. A maple floor will be used in the lodge rooms. There will be steam heat. Exterior of the building will be covered with cement plaster on metal lath. Plans are now being prepared.

HOSPITALS.

SAN FRANCISCO — Hospital tile work. Cost not stated. Architects, City Department of Architecture, Temporary City Hall, S. F. Owners, City and County of San Francisco. Plans have been completed for the glazed tile partition work in the various ward buildings at the San Francisco Hospital. Bids are now being taken by the Board of Public Works and figures will be opened on March 10th.

NORWALK, LOS ANGELES CO., CAL.—Hospital group, 1, 2 and 3 story brick buildings, \$60,000. Architect, State Architect George B. McDougall, Sacramento. Owners, State of California. Working drawings are nearing completion for a new state institution which is to be erected at Norwalk, near Los Angeles. This institution will care for the blind insane of the state and will be one of the most modern institutions of its kind in the United States. Plans will probably be out for figures by the end of March. Further mention will be made of the work.

PATTON, SAN BERNARDINO CO., CAL. — Superintendent's residence, 2 story and base, frame and plaster. Cost not stated. Architect, State Architect, George B. McDougall, Sacramento. Owners, State of California. Bids opened on March 1st for constructing a residence for the superintendent at the Patton State Hospital. All bids received were above the amount available and were rejected. The lowest figure received, that of John Mulder of Los Angeles was not accompanied by a certified check of sufficient amount and was rejected. A complete list of the bids will be found under the heading of Los Angeles in this issue.

SAN FRANCISCO — Pathological ward and garage, 2 story and base.

Class A construction, \$80,000. Architects, August Headman, New Call Bldg., and P. Righetti, Phelan Bldg. Owners, City and County of San Francisco. The Board of Public Works has issued a notice to all contractors that the date for opening bids for the general construction of the Pathological Ward and Garage building at the San Francisco Hospital has been postponed until March 19th.

HOTELS.

SAN FRANCISCO—Hotel, 5 story and base, brick and steel, \$60,000. Architect, none. Owners, McKillop Bros., 540 Cole street, S. F. The building will be erected on the north side of Mission street west of Mint avenue, covering an area of 50 by 160 feet. There will be in the neighborhood of 150 rooms, a large office and lobby and public baths. Interior finish will be of pine and redwood. There will be steam heat, elevator service and a hot water supply. Patent store fronts are specified. Bath rooms will have imitation tile wainscot and composition floors. Office and lobby will be finished in hardwood and will have tile floor. Exterior of the building will be faced with pressed brick. Plans are complete and in the hands of the owners who will do the work by Day Labor. Materials are now being purchased.

SAN FRANCISCO—Hotel, 4 story and base. Class C construction, \$30,000. Architect, D. J. Patterson, Mechanics' Institute Bldg., S. F. Owner, Louis Gassner. The building will be erected at the northeast corner of Stockton and Sacramento streets, covering an area of 67 by 69 feet. There will be eight stores on the first floor besides the hotel office, lobby and entrance. Upper floors will contain a total of 42 rooms and baths. Interior finish will be of pine, redwood and hardwood. Tile floor will be used in the lobby and office. Plans provide for steam heat, elevator service, patent store fronts and hot water service. Exterior of the building will be faced with pressed brick. Plans are complete and the work will be done by Day Labor.

SAN FRANCISCO—Hotel addition, 1 story, frame, \$5,000. Architect, C. Fannon, 916 Kearny street, S. F. Owner's name withheld. This work will consist of the addition of 20 rooms to the frame building on the south side of Fulton street between Gough and Octavia. Interior finish will be of pine and redwood. Exterior will be covered with rustic and shiplap. Plans are complete and the work will be done by Day Labor.

OAKLAND, CAL.—Hotel addition, 1 story, frame, \$5,000. Architect, none. Owner, B. Lichtig, 580 6th street, Oakland. The present one-story store will be added to, the new portion being designed to contain thirty guest rooms and several baths. Interior will be finished in pine and redwood. There will be a hot water system. Bath rooms will be finished in imitation tile. Exterior will be covered with cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor.

Contracts Awarded.

PORTLAND, ORE.—Hotel repairs, 5 story and base, reinforced concrete, \$23,000. Architect, J. D. Dautoff, Stock Exchange Bldg., Portland. Owners, Adler Investment Co. Contractors, Portland Construction Co., Morgan Bldg., Portland. Contract price, \$25,000. This contract covers repairs to fire damage.

LOS ANGELES, CAL.—Hotel, 3 story and base, brick and steel, \$50,000. Architect, L. T. Mayo, Story Bldg., L. A. Owners, Bertha M. Fisher and Elizabeth Hodgkins. Contractors, L. T. Mayo, Story Bldg., L. A. Contract price, \$50,000.

LIBRARIES.

Contracts Awarded.

LOS ANGELES, CAL.—Library, 1 story and base, brick, \$25,469. Architects, Kysor & Biggar, Wright and Callender Bldg., L. A. Owners, City of Los Angeles. Contractor, C. Karseboom, 1445 Dana street, L. A. Contract price, \$25,469.

POST OFFICES

SAN FRANCISCO—Branch post office, 2 story, brick, stone and steel, \$80,000. Engineer, Assistant State Engineer Newman, Ferry Bldg., S. F. Owners, State of California. Plans have been completed for the new Ferry Branch Post Office, which is to be erected on the water front south of the Ferry Building. The foundation work and steel have already been let. Plans are now out for figures on the general construction. Bids will be opened on March 11th. Plans and specifications can be secured from the office of the State Board of Harbor Commissioners in the Ferry Building.

RAILROAD CONSTRUCTION AND EQUIPMENT.

VISALIA, TULARE CO., CAL.—Railroad depot, 1 and 2 story, reinforced concrete, \$40,000. Architect, Engineering Department, Southern Pacific Co., Flood Bldg., S. F. Owners, Southern Pacific Co. Announcement has been made that the Southern Pacific Railroad Engineering Department has completed plans to submit to the Visalia Board of Trade and the Railroad Commission for the new depot to be erected at Visalia.

SAN FRANCISCO — Terminal loop. Cost not stated. Engineer, City Engineer, Temporary City Hall, S. F. Owners, City and County of San Francisco. The Secretary of the Board of Public Works has been directed by the Supervisors to call for bids for the construction of the Beach Terminal loop of the Geary Street Municipal Railroad.

RESIDENCES.

SAN FRANCISCO — Residence, 2 story and base, frame, \$2,500. Architect, none. Owner, W. H. Kenny, 430 Arguello Boulevard, S. F. The dwelling will be erected on the west side of 9th avenue north of Cabrillo, and has been designed to contain five rooms and bath. Interior finish will be of pine and redwood. Hardwood floors will be used in the living and

dining rooms. There will be open fire place in the living room. Mantel will be of tile. Exterior of the house will be covered with rustic and cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor.

SAN FRANCISCO — Residence, 2 story and base, frame, \$2,500. Architect, none. Owner, Eunice E. Westwater. The dwelling will contain five rooms and bath and will be erected on Vernon street near Garfield. Interior will be finished in pine and redwood. Some hardwood floors will be used. There will be open fire places and tile mantels. Bath room will be finished in imitation tile. Exterior of the house will be covered with rustic and cement plaster. Plans are complete and in the hands of the owner who will do the work by Day Labor.

PIEDMONT, ALAMEDA CO., CAL.—Residence, 2 story and base, frame. Cost not stated. Architect, Albert Farr, Foxcroft Bldg., S. F. Owner, Mr. McHenry. The dwelling has been designed to contain ten rooms, three baths and sleeping porches. Interior will be finished in pine and hardwood with white enamel in the living and dining rooms and reception hall. There will be steam heat and a hot water circulating system. Bath rooms will be finished in tile. There will be vacuum cleaning. Several large open fire places will be installed. Mantels will be of brick and stone. Exterior of the dwelling will be covered with cement plaster on metal lath. A clay tile roof is specified. Plans are complete and figures are being taken.

OAKLAND, CAL.—Residence, 2 story and base, frame, \$6,000. Architect, F. D. Voorhees, Central Bank Bldg., Oakland. Owner's name withheld. The dwelling will be erected at the southwest corner of Ridgeway and Terrace street, and has been designed to contain eight rooms, two baths and sleeping porch. Interior finish will be of pine and hardwood with some white enamel. Hardwood floors will be used in the living rooms, dining room and reception hall. Plans provide for furnace heat and open fire places. A hot water circulating system will be installed. Bath rooms will be finished in tile and equipped with showers. A separate garage will be erected on the property. Exterior of the house will be covered with cement plaster on metal lath. Plans are now being prepared.

SACRAMENTO, CAL.—Residence, 2 story and base, frame, \$3,000. Architect, A. Willoner, Ochsner Bldg., Sacramento. Owner, H. H. Robinson. The dwelling will contain six rooms and bath and will be erected in the Wright and Kimball Subdivision. Interior will be finished in pine and redwood. Hardwood floors will be used in the living room and dining room. An open fire place will be a feature of the living room. Mantel will be of tile or brick. Tile wainscot will be used in the bath room and kitchen. Exterior of the house will be covered with cement plaster on metal lath. Plans are being prepared.

STOCKTON, SAN JOAQUIN CO., CAL.—Residence, 2 story and base, frame, \$2,800. Architect, Joseph Losekahn, San Joaquin Bldg., Stockton. Owner, Ray Friedberger. The house has been designed for a seven-room dwelling and will be erected in the

Yosemite Terrace district. Interior will be finished in pine and redwood. Hardwood floors will be used in the living room, dining room and reception hall. There will be furnace heat and open fire places. Mantels will be of tile. Tile wainscot will be used in the bath room. Exterior of the house will be covered with rustic and cement plaster on metal lath. Plans are complete and figures are being taken.

FRESNO, FRESNO CO., CAL.—Bungalows, 1 story and base, frame, \$1,500. Architect, none. Owner, A. M. Beecher, 3239 Iowa street, Fresno. The dwelling has been designed for a five-room house with bath. Interior finish will be of pine and redwood. There will be an open fire place and tile mantel. Exterior of the dwelling will be covered with cement plaster and rustic. Plans are complete and in the hands of the owner who will do the work by Day Labor.

FRESNO, FRESNO CO., CAL.—Residence, 2 story and base, frame, \$8,500. Architect, none. Owner Al. Braverman, Land Co. Bldg., Fresno. The dwelling has been designed for an eight-room house and will be erected in the Villa Tract. A separate garage will also be erected on the property. Interior of the house will be finished in pine and hardwood veneer with white enamel in the bed rooms. There will be hardwood floors. Plans provide for furnace heat and open fire places. Mantels will be of tile or brick. Tile wainscot will be used in the bath rooms. An automatic water heater will be installed. Exterior of the dwelling and garage will be covered with cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor.

FRESNO, FRESNO CO., CAL.—Residence, 2 story and base, frame, \$4,500. Architects, Bowen & Davis, Rowell Bldg., Fresno. Owner, Dr. J. A. Kleiser. The dwelling has been designed for a seven-room house with two baths. Interior will be finished in pine and redwood. Hardwood floors will be used in the principal rooms. There will be furnace heat and open fire places. Mantels will be of tile. An automatic water heater will be installed. Bath rooms will be finished in tile. Exterior of the dwelling will be covered with cement plaster. Plans are being prepared.

OAKLAND, CAL.—Residence, 2 story and base, frame, \$6,000. Architect, Clyde B. Barton, Trust Bldg., Oakland. Owner, J. McClellan. The dwelling will be erected in the Crocker Highlands, and has been designed to contain seven rooms, two baths and sleeping porch. Interior will be finished in pine and hardwoods. Hardwood floors will be used. There will be furnace heat and open fire places. Mantels will be of tile or brick. An automatic water heater will be installed. Bath rooms will be finished in tile. Exterior of the building will be covered with cement plaster on metal lath. Plans are complete and figures are being taken.

SAN FRANCISCO—Residence, 3 story and base, brick, \$50,000. Architect, Lewis P. Hobart, Crocker Bldg., S. F. Owner, Mrs. Sidney P. Ehrman. The dwelling will be erected on the north side of Broadway west of Baker, and has been designed for a high-class

city residence. Interior will be finished in hardwood and white enamel. Hardwood floors will be used throughout. Bath rooms will be finished in tile. Plans provide for steam heat, a hot water circulating system, vacuum cleaning system and other modern conveniences. Exterior will be faced with pressed brick and terra cotta. Plans have been out for bids and figures have been taken under advisement. Contracts will be let in the course of a few days.

BERKELEY, ALAMEDA CO., CAL.—Residence, 1 story and base, frame, \$4,000. Architect, James W. Plachek, Acheson Bldg., Berkeley. Owner, J. Rogers. The dwelling has been designed for a six-room house with bath and sleeping porch, and will be erected on South San Mateo avenue in Northbrae. Interior will be finished in pine and hardwood. Hardwood floors will be used in the living and dining rooms and reception hall. There will be furnace heat and open fire places. Mantels will be of tile or brick. Tile wainscot will be used in the bath room. An automatic water heater will be installed. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are complete and figures are being taken.

BERKELEY, ALAMEDA CO., CAL.—Residence, 2 story and base, frame, \$3,500. Architect, James W. Plachek, Acheson Bldg., Berkeley. Owner, Frank Nash. The dwelling has been designed for a five-room house with bath and will be erected on Woolsey street. Interior finish will be of pine and redwood. Hardwood floors will be used in the living and dining rooms and reception hall. There will be a large open fire place and tile or brick mantel. An automatic water heater will be installed. Bath room will have tile wainscot. Exterior of the dwelling will be covered with cement plaster. Plans are complete and in the hands of the owner who will do the work by Day Labor.

SAN FRANCISCO—Residence, 2 story and base, frame, \$3,000. Architect, none. Owner, F. Nelson, 30 Presidio Terrace, S. F. The dwelling has been designed for a six-room house and will be erected on the west side of Hill street north of Parnassus. Interior will be finished in pine and redwood. Some hardwood floors will be used. There will be an open fire place and tile mantel. Bath room will have tile wainscot. An automatic water heater will be installed. Exterior of the dwelling will be covered with rustic and cement plaster. Plans are complete and the work will be done by Day Labor.

SAN FRANCISCO—Residence, 2 story and base, frame, \$3,000. Architect, none. Owner, J. C. Kirby, 2152A Market street, S. F. The dwelling has been designed for a six-room house and will be erected on the west side of 12th avenue near Anza. Interior will be finished in pine and redwood. Some hardwood floors will be used. There will be tile wainscot in the bath room and an automatic water heater. Open fire places and tile mantels are specified. Exterior of the dwelling will be covered with rustic and cement plaster on metal lath. Plans are in the hands of the owner who will do the work by Day Labor.

SAN FRANCISCO—Residence, 2 story and base, frame, \$2,700. Architect, none. Owner, Thomas Hamill, 258 25th avenue, S. F. The dwelling will be erected on the east side of 12th avenue near Geary, and has been designed for a five-room house with bath. Interior finish will be of pine and redwood. Hardwood floors will be used in the principal rooms. There will be an open fire place and tile mantel. Tile wainscot will be used in the bath room. Exterior of the dwelling will be covered with rustic and cement plaster on metal lath. Plans are complete and in the hands of the owner.

FRESNO, FRESNO CO., CAL.—Bungalows, 2, 1 story, frame, \$1,500 each. Architect, none. Owners, Robert Wilson, 2804 Madison street, and George Elia, 1444 C street, Fresno. These houses will contain five rooms each with bath. Interiors will be finished in pine and redwood. There will be open fire places and stock mantels. Exteriors will be covered with rustic and shiplap. Plans are complete and in the hands of the owners who will do the work by Day Labor.

INGLEWOOD, LOS ANGELES CO., CAL.—Rectory, 2 story and base, hollow tile. Cost not stated. Architects, Frohman & Martin, Slavin Bldg., L. A. Owners, Church of the Holy Faith. The dwelling will contain nine rooms and three baths. Interior will be finished in pine and hardwood veneer. Hardwood floors will be used in the principal rooms. There will be furnace heat and open fire places. Mantels will be of tile. Bath rooms will have tile floors and wainscot. Exterior will be covered with cement plaster. Plans are being prepared.

PORTLAND, ORE.—Residence, 2 story and base, brick and hollow tile, \$30,000. Architect, Earl A. Roberts, Selling Bldg., Portland. Owner, J. H. Henry. The dwelling will be erected on the Cornell road and has been designed to contain 12 rooms and several baths. A separate garage will be erected as well as other out buildings. Interior will be finished in pine and hardwood with white enamel in the bed rooms. Hardwood floors will be used in the principal rooms. There will be a central heating system, hot water supply and vacuum cleaning. Bath rooms will be finished in tile. Exterior of the house will be covered with cement plaster. Plans are now being prepared.

Contracts Awarded.

BERKELEY, ALAMEDA CO., CAL.—Residence, 2 story and base, frame, \$6,000. Architects, Bryant & Stringham. Owner, Vernon M. Alvord. Contractor, H. F. Wrampelmeier, 2324 Piedmont avenue, Berkeley. Contract has been taken on the percentage basis.

SCHOOLS.

RICHMOND, CONTRA COSTA CO., CAL.—School additions, 2, 1 story, brick and frame. Cost not stated. Architect, James T. Nabbett, Berry Bldg., Richmond. Owners, City of Richmond. Plans have been submitted to the City Council, but owing to a few changes to be made, bids will not be called for a few days. The improvements to be made consist of a four-room brick structure to be added to the Peres

school and a four-room frame addition to the Fairmont school. The four rooms to be built at Peres school will be so constructed that they can be used as a part of a new building later.

OAKLAND, CAL.—School, 2 story and base, frame and plaster, \$35,000. Architect, John J. Donovan, Security Bank Bldg., Oakland. Owners, City of Oakland. The building will be known as the Tompkins School and will be erected on Fifth street between Linden and Chestnut streets. There will be eight class rooms and an assembly hall. Interior will be finished in pine with maple floors in the class rooms. Plans provide for steam heat, an oil burning system and modern school plumbing. Exterior of the building will be covered with cement plaster on metal lath. Plans are complete and bids are being taken. Figures will be opened on March 23rd. Plans and specifications can be secured from the architect. An official proposal appears in another column of this issue.

CARSON CITY, NEV.—Agricultural hall, 2 story and base. Class A construction, \$80,000. Architects, Bliss & Faville, Balboa Bldg., S. F. Owners, State of Nevada. The building will cover an area of 165 by 100 feet. Plans for this unit of the new University of Nevada group have been complete for some time, but funds have not been available for construction. Governor Emmet D. Boyle, in a special message to the State Legislature has submitted recommendation for a total appropriation of \$447,446.50 for the State University, which includes the amount of \$80,000 for construction of this building. Further mention will be made of the work when bids are called.

BERKELEY, ALAMEDA CO., CAL.—School, 1 story and base, frame and plaster, \$28,000. Architect, James W. Plachek, Acheson Bldg., Berkeley. Owners, City of Berkeley. The building will be erected on Claremont avenue near Ashby, and has been designed to contain five class rooms and an auditorium. Interior will be finished in pine. Maple floors will be used in the class rooms. There will be a central heating system. Plans have been turned over to the Board of Education and figures will be called for this week.

SAN FRANCISCO — School hardware. Cost not stated. Architect, City Department of Architecture, Temporary City Hall, S. F. Owners, City and County of San Francisco. Bids are now being taken for furnishing the finish hardware for the Academic Building, Polytechnic High School group. Bids will be opened on March 31st. Plans and specifications can be secured from the Department of Architecture.

HOLLYWOOD, LOS ANGELES CO., CAL.—School gymnasium, 1 story and base, brick. Cost not stated. Architect, Norman F. Marsh, Broadway Central Bldg., L. A. Owners, Hollywood High School District. The building will cover an area of 114 by 110 feet. Interior will be finished in pine with a maple floor. There will be special equipment and a hot water supply. Exterior of the building will be covered with cement plaster. Plans are complete and figures are being taken.

Contracts Awarded.

LOS ANGELES, CAL. — Military academy, 5, 1 story and base, brick, \$10,000. Architect, none. Owner, Page Military Academy. Contractor, Fred Siegel, Haas Bldg., L. A. Contract price, \$10,000.

BAKERSFIELD, KERN CO., CAL. — Toilet buildings, 4, 1 story, frame, \$16,500. Architect, Orville Clark, Brower Bldg., Bakersfield. Owners, City of Bakersfield. Contractors, Currie & Duglar, Bakersfield. Contract price, \$16,500.

COLTON, SAN BERNARDINO CO., CAL.—School, 2 story and base, brick, \$50,340. Architects, Allison & Allison, Hibernian Bldg., L. A. Owners, City of Colton. Contractors, Nance & Phelps, 9th and Central avenue, L. A. Contract price, \$50,340.

SEWERS, STREET WORK & WATER SYSTEMS.

REDWOOD CITY, SAN MATEO CO., CAL. — Highway construction. Cost not stated. Engineer, County Surveyor, Redwood City. Owners, San Mateo County. Plans for the construction of another unit of the county highway system are complete and out for figures. Bids will be opened on March 15th. Following is the route of the new unit: 1.46 miles of highway located in the Fifth road district of San Mateo County, beginning at a point in the present county road from Redwood City to San Gregorio, and extending in a southwesterly direction to a point in the present county road, route 6, division 3, section 2 of San Mateo County highways.

REDWOOD CITY, SAN MATEO CO., CAL.—Macadamizing roads. Cost not stated. Engineer, County Surveyor, Redwood City. Owners, San Mateo County. Separate bids will be received for macadamizing the four following stretches of county roads: 4.813 miles in Fourth and Fifth road districts; .918 mile in First and Fourth road districts; 2.311 miles in the Second road district, and 5.402 miles in the First road district. Bids will be opened for this work on March 15th. Plans and specifications can be secured from the County Engineer.

SAN JOSE, SANTA CLARA CO., CAL.—Sprinkling system. Cost not stated. Engineer, City Engineer, San Jose. Owners, City of San Jose. The City Clerk has been instructed by the City Council to advertise for bids for a sprinkling system in North First Street park, according to plans and specifications prepared by the City Engineer.

SAN JOSE, SANTA CLARA CO., CAL.—Electric tower, steel construction. Cost not stated. Engineer, City Engineer, San Jose. Owners, City of San Jose. The City Council has directed the City Clerk to advertise for bids for the construction of the Market street electric tower, with the understanding that the bidders furnish their own plans and specifications.

SAN JOSE, SANTA CLARA CO., CAL.—Street paving. Cost not stated. Engineer, City Engineer, San Jose. Owners, City of San Jose. At the last meeting of the City Council the City Engineer was instructed to prepare plans and specifications for the paving of Seventeenth street from Santa Clara to the city limits at Rosa street, also

East San Fernando street from Fourth to Tenth, with the exception of portions fronting on state property.

SANTA CRUZ, SANTA CRUZ CO., CAL.—Sewer and street work. Cost not stated. Engineer, City Engineer, Santa Cruz. Owners, City, of Santa Cruz. At the last meeting of the City Council a resolution inviting sealed proposals for a sewer on Plateau, Alamar and Knower avenues was adopted. A resolution for paving streets on the ten year system was passed. It is for the full width of the street on Ocean, from Water to Plymouth street, and on Plymouth to the city limits. The plans include sewer and walks from Grant street to the city limits.

REDWOOD CITY, SAN MATEO CO., CAL.—Reinforced concrete retaining wall. Cost not stated. Engineer, County Surveyor, Redwood City. Owners, San Mateo County. Plans presented to the Supervisors by the County Surveyor for a reinforced concrete retaining wall on the Woodside grade have been adopted.

REDWOOD CITY, SAN MATEO CO., CAL.—Highway construction. Cost not stated. Engineer, County Surveyor, Redwood City. Owners, San Mateo County. Bids opened by the Supervisors for the construction of a road from Hillsborough to the Crystal Springs Lake have been rejected. The following is a list of the bids: Spring Construction Co., \$34,825.20; Howard-Ellison Co., \$34,114.46; Peterson & Grier, \$35,437.60; Chas. J. Lindgren, \$34,992.38; Wrightson, Anderson & Yost, \$40,259.88; Sunset Construction Co., \$30,416.65. The County Surveyor was ordered to prepare plans and specifications for removing some of the sharp turns in the road. No statement has been made as to the calling of new bids.

HEALDSBURG, SONOMA CO., CAL.—Street paving. Cost not stated. Engineer, City Engineer, Healdsburg. Owners, City of Healdsburg. The Board of Trustees has taken definite steps to pave the business streets of this city, and will issue a call for bids probably at their next meeting. The paving will consist of four inches of hydraulic concrete as a base, upon which will be laid two inches of asphaltic concrete wearing surface.

SAN RAFAEL, MARIN CO., CAL.—Street improvements. Cost not stated. Engineer, City Engineer, San Rafael. Owners, City of San Rafael. The city Council has ordered the City Engineer to advertise for bids for improving the road to McNear's Point from the city limits. Also for widening and improving the road and installing corrugated culverts from Lagunitas to Tocaloma. The City Engineer has also been instructed to prepare plans for widening and improving the county road from the Ben Morse property west of Willow Camp to a point opposite the Wilkins property at the foot of the Bolinas grade.

SAN RAFAEL, MARIN CO., CAL.—Road work. Cost not stated. Engineer, County Surveyor, San Rafael. Owners, Marin County. The Supervisors have directed the County Engineer to prepare plans for the road work to be done on Nicasio Hill from San Geronimo to Miller's Gate.

NAPA, NAPA CO., CAL.—Sewer, reinforced concrete. Cost not stated. Engineer, City Engineer Jordan, Napa.

Owners, City of Napa. Plans and specifications presented by City Engineer Jordan for the proposed reinforced concrete storm sewer on York street have been adopted and the Clerk of the Board has been directed to advertise for bids to be opened on March 15th.

RICHMOND, CONTRA COSTA CO., CAL.—Sewer system. Cost not stated. Engineer, City Engineer, Richmond. Owners, City of Richmond. The City Engineer's diagram of the new sewer system in the Bay View Park tract has been adopted by the City Council.

MARTINEZ, CONTRA COSTA CO., CAL.—Sewer work. Cost not stated. Engineer, City Engineer, Martinez. Owners, City of Martinez. The City Engineer has been directed to prepare plans and specifications for the laying of a twelve or fourteen inch sewer, as necessity requires, the whole length of Pine street from the low tide level on the north to De Laselle Institute on the south. Similar action was taken regarding Smith street.

SAUSALITO, MARIN CO., CAL.—Street work, \$26,254.99. Engineer, Town Engineer, Sausalito. Owners, Town of Sausalito. At the request of the Sausalito Chamber of Commerce an estimated cost of street work from Princess street to the Reservation Gate was presented by the Town Engineer. His estimate for excavating, concrete base, culverts, asphalt surface, vitrified brick surface, curbs and gutters is \$26,254.99. Bids on this work will be called for at an early date.

BAKERSFIELD, KERN CO., CAL.—Road work. Cost not stated. Engineer, County Surveyor, Bakersfield. Owners, Kern County. Plans are complete for constructing about 3.8 miles of County highway in Road District No. 8 of Kern County. Plans and specifications can be secured from the County Surveyor. Bids will be opened on March 22nd for this work.

SAN DIEGO, SAN DIEGO CO., CAL.—Sewer construction, \$67,000. Engineer, City Engineer, San Diego. Owners, City of San Diego. Bids received by the City Council for completing the construction of the Ocean Beach sewer have been rejected, and the Clerk has been ordered to advertise for new bids on the work. The lowest bid was of Chas. H. Julian for \$67,000.

SEATTLE, WASH.—Highway construction, \$150,000. Engineer, County Surveyor Denton, Seattle. Owners, King County. Plans are now ready in the office of County Surveyor Denton for the construction of both the Renton-Issaquah road and the Auburn-Enumclaw road, totaling a distance of practically 30 miles and costing \$150,000. The road between Renton and Issaquah will be about 10 miles long and cost \$80,000, and the road between Auburn and Enumclaw about 20 miles long costing \$75,000, both making the largest contracts for county road work let so far this year. It has been decided to open bids on the Auburn-Enumclaw road at 10 a. m. March 29th, and on the Renton-Issaquah road at 2 p. m. the same date.

SACRAMENTO, CAL. By-pass and weir, \$500,000 to \$600,000. Engineer, F. C. Miller, Sacramento. Owners, City of Sacramento. Plans have been submitted to the City Council for the Sacramento by-pass and weir, which the

city proposes to construct at Bryte's Bend, three miles up stream from the city. Scheme A estimates the cost at \$438,000 for both the city and Reclamation Board. Of this sum the city's expense would be \$219,000 and the Reclamation Board's share \$218,500. Under scheme B the weir will cost \$678,000 and the city's share would be \$458,000, and the Reclamation Board's share \$220,000. According to City Engineer Miller, the increased cost of the weir and appurtenances under scheme B is due to the fact that a higher grade weir gate is provided. It is automatic and highly improved. Scheme A on the other hand provides for a less expensive and less highly improved weir gate. Under scheme B the movable gate and operating machinery will cost \$263,000 as against only \$65,000 under scheme A. This report has been turned over to the Reclamation Board, which will select one of the schemes or adopt an entirely new one.

MODESTO, STANISLAUS CO., CAL.—Irrigation work, \$600,000. Engineer, F. C. Herman, Monadnock Bldg., S. F. Owners, Modesto Irrigation District. Engineer F. C. Herman has been appointed by the Directors of the Modesto Irrigation District as their chief engineer. Mr. Herman will have complete charge of all construction work to be carried out under the recent bond issue. Over \$600,000 in funds are now available for this work.

Contracts Awarded.

STOCKTON, SAN JOAQUIN CO., CAL.—Road work, \$25,042.47. Engineer, County Engineer, Stockton. Owners, San Joaquin County. Contractors, Irely & McCleary, Lodi. Contract price, \$25,042.47.

STORES AND OFFICES.

SAN FRANCISCO—Store and office alteration. Class C construction, \$25,000. Architect, Henry H. Meyers, Kohl Bldg., S. F. Owners, Hymen Bros., under lease to D. Samuels. The building at the northwest corner of O'Farrell and Stockton streets will undergo extensive alterations. This building was formerly occupied by the D. Samuel Lace House, but will be altered for small stores on the first floor and modern offices on the upper floors. The work will include plastering, interior finish, mill work, plumbing, patent store fronts and electric work. Plans are being prepared.

SAN FRANCISCO—Store alteration. Class C construction, \$12,000. Architect, Clay N. Burrell, Albany Bldg., Oakland. Owners, Forman & Clark. The work will consist of finishing the main entrance and two stores located in the building on the north side of Market street near Grant avenue. There will be marble and tile work, plumbing and patent store fronts. Plans are being prepared.

ATASCADERO, SAN LUIS OBISPO CO., CAL.—Department store, 2 story and base, reinforced concrete, \$100,000. Architects Bliss & Faville, Balboa Bldg., S. F. Owners, Atascadero Colony. Plans are nearly complete for a large department store which is to be erected in the Lewis Colony. The structure will fireproof with reinforced concrete floors and walls. Interior will be designed along the latest and most approved lines, the manager of the store having left for the East

to gather ideas and co-operate with the architects. The design will be in the Mission style and along lines similar to the other buildings which are now being erected in the colony. Construction will probably be done by Day Labor. Further mention will be made of the work.

SAN FRANCISCO—Office building, 8 story and base. Class A construction, \$150,000. Architect, Edgar A. Mathews, 251 Sutter street, S. F. Owners, Pacific Gas and Electric Co. This building will be erected on the south side of Sutter street east of Powell, adjoining the present building of the company, and will be used in conjunction with this building. Construction will be of the class A type, with a complete steel frame, brick walls and hollow tile interior partitions. The building will have a frontage of 45½ feet and a depth of 138 feet. Interior will be finished in pine and hardwood with some metal trim. There will be steam heat, elevator service, vacuum cleaning and a hot water supply. Considerable marble and tile and ornamental plaster will be used. Exterior of the building will be faced with pressed brick and terra cotta. Plans are now being prepared.

Contracts Awarded.

SAN FRANCISCO—Office alterations. Class A construction, \$3,500. Architect, G. Albert Lansburgh, 709 Mission street, S. F. Owners, Orpheum Theatre Co. Contractor, C. M. Moore, 2880 Vallejo street, S. F. Contract price, \$3,500.

THEATRES.

FRESNO, FRESNO CO., CAL.—Theatre alteration, brick and steel, \$20,000. Architect, R. L. Felchlin, Fresno. Owner, H. H. Brix. Three building located on J street between Mariposa and Fresno streets will be altered into a modern theatre building. The work will include new interior trim, ornamental plaster, electric work, painting, pumbing and plastering. Plans are now being prepared.

SEALED PROPOSALS

NOTICE INVITING PROPOSALS.

THE BOARD OF EDUCATION of the City of Oakland and of the Oakland School District of Alameda County, State of California, requests and will receive Proposals, or Bids, for the furnishing of all the Materials, Labor and Workmanship required in connection with the Tompkins School, and to be erected on the southerly side of Fifth street between Linden and Chestnut streets, in the City of Oakland, Alameda County, California.

All said Materials, Labor and Workmanship is to consist of that required by, and be in accordance with the Plans, Drawings and Specifications prepared therefor and on file in the office of John J. Donovan, the Supervising Architect of the City of Oakland, to which said Plans and Specifications reference is hereby made.

All proposals shall be made upon and conform to the requirements of the forms of Proposals, prepared and furnished by the City, through the Supervising Architect, and shall be enclosed in sealed envelopes, endorsed "Bid for (name of school)," addressed to the Board of Education, and deposited by the Bidder, or his agent, with the Board, while in session, between 4:30 o'clock and 5:30 o'clock P. M., Pacific Time, on the 23rd day of March, 1915, in the rooms of the Board in the City Hall, Oakland, California, and at the expiration of the time named the Bids will be opened, ex-

aminated and publicly declared in open session of the Board.

Each Bid shall bear an Affidavit of the Bidder as required by section 126 of the Charter of the City of Oakland, and of the form which will be furnished by the City with the Form of Proposal.

No person, firm or corporation shall be allowed to file or be interested in more than one Bid for the same work, and if on opening Bids, more than one Bid appears in which the same person, firm or corporation is interested, all such Bids will be rejected.

No Proposal or Bid will be received or considered which is not accompanied by a check, certified by a responsible bank, payable to the order of Frank M. Smith, City Clerk, in an amount not less than ten per centum (10%) of the aggregate amount of the Proposal. Said check shall be forfeited to and be retained by the City if the successful Bidder fails or refuses to execute the Contract in the required form and furnish Bonds of the forms to be provided by the City and as required by the Charter of the City of after receiving notice of award.

After the award and upon the execution of the Agreement, the Contractor shall at the same time execute to the City of Oakland an deliver to the City Clerk a bond guaranteeing to the City the faithful performance of the Contract, and in an amount equal to twenty-five per centum (25%) of the amount named in the Agreement. He shall likewise execute and deliver at the same time another and separate Bond to protect any and all persons performing labor upon or furnishing materials to be used upon the said work, and in an amount equal to fifty per centum (50%) of the amount named in said Agreement.

The Contractor will be required to begin work within five (5) days from the execution of the Contract—unless otherwise notified in writing by the Owner or Architect, and to fully complete the entire work in accordance with the requirements of the Agreement, Plans, Drawings and Specifications prepared therefor to the entire satisfaction of the Commissioner of Public Works and the Board of Education, and within the space of One Hundred (100) working days thereafter as defined in the Agreement.

A bound set of the Forms of Proposal, and of the required Affidavits, Agreement, Bonds, Acknowledgments and Specifications will be furnished Contractors on demand at the office of the Supervising Architect of the City of Oakland, Security Bank Building, corner Eleventh and Broadway. The Plans and Drawings may be had at the said office of the Supervising Architect after Friday, March 5th, 1915, within a reasonable time after application, and upon the deposit of Twenty-five Dollars (\$25.00), which deposit will be returned to the applicant when the said Plans and Drawings are returned to the Architect in good condition, one complete set of Plans and Drawings required for the work will be furnished each applicant for the General Contract work. Additional copies will, however, be furnished provided the applicant pays the cost of reproduction, such additional copies to be returned to the Architect together with the first set.

Each Bidder shall submit a formal Bid in strict accordance with and without deviation from the Plans and Specifications, unless such deviation shall have been previously authorized by and written permission therefor obtained from, the Supervising Architect; in case any such deviation shall be allowed as aforesaid for the submission of the Bid or award of Contract, notice thereof will be served upon all of the Bidders by the Architect.

All information relative to the requirements for bidding, and all directions necessary to explain and make definite any of the provisions of the Specifications or Drawings will be given by the Supervising Architect upon application at his office.

The right is reserved to the Board in accordance with the provisions of the Charter of the City of Oakland, to reject any or all Bids submitted.

By order of the Board of Education of the City of Oakland, and of the Oakland School District of Alameda County, California.

Dated March 3, 1915.
A. L. HANNAFORD,
Secretary of the Board of Education.

PROPOSALS FOR SEWER SYSTEM.

SEWER SYSTEM—Department of the Interior, Office of Indian Affairs, Washington, D. C.—Sealed proposals plainly marked on the outside of the envelope "Proposals for Construction of a Sewer System, Phoenix Indian School and Sanatorium, Phoenix, Arizona" and addressed to the Commissioner of Indian Affairs, Washington, D. C., will be received at the Indian Office until 2 o'clock p. m. on March 20, 1915, for furnishing materials and labor for the construction of a sewer system at the Phoenix Indian School and Sanatorium, Phoenix, Ariz., in strict accordance with the plans, specifications and instructions to bidders, which may be examined at this office, U. S. Indian warehouses at Chicago, Ill.; St. Louis, Mo., and Omaha, Neb.; the Builders and Traders' Exchange at St. Paul, Minn.; at the Phoenix Indian School, Ariz. For further information apply to Charles W. Goodman, superintendent, Phoenix Indian School, Phoenix, Ariz. CATO SELLS, commissioner.

PROPOSALS FOR SUPPLIES.

SUPPLIES—Sealed proposals will be received at the office of the commissioner of fisheries, Department of Commerce, Washington, D. C., until 2 o'clock p. m. April 20, 1915, and then opened, for furnishing general supplies for use on the Pribilof Islands, Alaska. Blank proposals and particulars may be obtained by addressing the above office.

FOR DRIVES AND WALKS.

Notice to Contractors.

SEALED bids will be received by W. F. McClure, State Engineer, Forum Building, Sacramento, California, up to and including 12 o'clock noon, Monday, March 15, 1915, said bids then and there to be publicly opened and read for furnishing all plant, materials, and labor, and doing the work required for the complete construction and installation of the Drives and Walks, Industrial Home for Adult Blind, Oakland, California, in accordance with the plans and specifications therefor, copies of which may be obtained on application to the State Department of Engineering, Sacramento, California.

Such bids will be received for the Entire Work, and must be submitted on forms prepared and furnished by the State Department of Engineering. Cash, a bidder's bond, or a certified check in the sum of ten per centum (10%) of the amount of the bid must accompany each bid.

A deposit of Five (\$5.00) Dollars will be required on plans and specifications, the deposit to be returned immediately on the return of the plans and specifications to the State Department of Engineering at Sacramento, California, in good condition.

The State Department of Engineering reserves the right to reject any and all bids and to waive any informality in any bid received.

All bids must be addressed to W. F. McClure, State Engineer, Sacramento, California, and plainly marked on the envelope: "Proposal for Drives and Walks, Industrial Home for Adult Blind, Oakland, California."

(Signed) W. F. MCCLURE,
State Engineer.

NOTICE TO CONTRACTORS.

PROPOSALS FOR THE CONSTRUCTION OF THREE ADOBE DAY SCHOOL BUILDINGS.

DEPARTMENT OF THE INTERIOR, Office of Indian Affairs, Washington, D. C., February 12, 1915.—SEALED PROPOSALS, plainly marked on the outside of the sealed envelopes, "Proposals for the construction of three combination adobe day school buildings, San Xavier School, Arizona," addressed to the Commissioner of Indian Affairs, Washington, D. C., will be received at

the Indian Office until 2 P. M. of March 22, 1915, for furnishing materials and labor for the construction of three combination adobe day school buildings at Indian Oasis, Ventana, and Comobabi, Indian villages under the jurisdiction of the San Xavier School, Arizona, in strict accordance with the plans, specifications and instructions to bidders, which may be examined at this Office, U. S. Indian Warehouse at Chicago, Ill., St. Louis, Mo., and Omaha, Nebraska; the Builders and Traders' Exchange of St. Paul, Minn., at the San Xavier School, Arizona, and at the office of the newspaper in which this advertisement appears. For further information apply to HENRY J. McQUIGG, Superintendent San Xavier School, Tucson, Arizona. CATO SELLS, Commissioner. (*)

PROPOSALS FOR WEATHER STRIP.

WEATHER STRIP—Office of the Custodian, U. S. Public Building, Livingston, Mont.—Sealed proposals will be received here until March 15, 1915, for installing metal weather strips in this building. For further information address the custodian.

PROPOSALS FOR PUMPING PLANT.

PUMPING PLANT—U. S. Engineer's Office, 602 Burke Building, Seattle, Wash.—Sealed proposals for pumping plant for Lake Washington canal locks will be received at this office until 12 noon, March 15, 1915, and then publicly opened. Information on application to U. S. engineer office, Seattle, Wash.; Chicago, Ill., or New York. J. B. CAVANAUGH, major, engineers.

NOTICE TO CONTRACTORS.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., February 15, 1915.—SEALED PROPOSALS will be opened in this office at 3 P. M., March 22, 1915, for the construction complete (including mechanical equipment, lighting fixtures, and approaches) of a two-story and basement stone and brick faced building of 10,300 square feet ground area, fireproof construction, composition roof, for the United States Post Office at Everett, Wash. Drawings and specifications may be obtained from the custodian at Everett, Wash., or at this office, in the discretion of the Supervising Architect. O. WENDEROTH, Supervising Architect.

NOTICE TO CONTRACTORS.

SEALED bids will be received by W. F. McClure, State Engineer, Forum Building, Sacramento, California, up to and including 12 o'clock noon, Wednesday, March 17, 1915, said bids, then and there to be publicly opened and read for furnishing all plant, materials, and labor, and doing the work required for the complete construction and erection of a building to be known as the Amusement Hall and Library, Veterans' Home, Yountville, California, in accordance with the plans and specifications therefor, copies of which may be obtained on application to the State Department of Engineering, Sacramento, California.

Such bids will be received for the Entire Work, and must be submitted on forms prepared and furnished by the State Department of Engineering.

Cash, a bidder's bond, or a certified check in the sum of ten per centum (10%) of the amount of the bid must accompany each bid.

A deposit of Ten (\$10.00) Dollars will be required on plans and specifications, the deposit to be returned on the return of the plans and specifications to the State Department of Engineering at Sacramento, California, in good condition.

The State Department of Engineering reserves the right to reject any and all bids and to waive any informality in any bid received.

All bids must be addressed to W. F. McClure, State Engineer, Sacramento, Hall and Library, Veteran's Home, California, and plainly marked on the envelope: "Proposals for Amusement Yountville, California."

(Signed) W. F. MCCLURE,
State Engineer.

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PROPOSALS FOR FOUNDATIONS.

FOUNDATIONS—Sealed proposals indorsed "Proposals for Foundations for Radio Towers" will be received at the naval station, Cavite, P. I., or at the bureau of yards and docks, Navy Department, Washington, D. C., until **11 o'clock a. m. March 13, 1915**, and then and there publicly opened, for the construction of concrete and pile foundations for three 600-foot steel radio towers at the naval station, Cavite, P. I. Plans and specifications may be obtained on application to the bureau or to the commandant of the naval station named. H. R. STANFORD, chief of bureau.

PROPOSALS FOR PUMPING PLANT.

PUMPING PLANT—U. S. Engineer Office, 602 Burke Building, Seattle, Wash.—Sealed proposals for pumping plant for Lake Washington canal locks will be received at this office until **noon March 15, 1915**, and then publicly opened. Information on application to U. S. engineer office, Seattle, Wash.; Chicago, Ill., or New York, N. Y. J. B. CAVANAUGH, major, engineers.

INVITATION FOR PROPOSALS.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., February 1, 1915—**SEALED PROPOSALS** will be opened in this office at **3 P. M., March 25, 1915**, for the construction complete (including mechanical equipment, except elevator, lighting fixtures, and approaches) of the United States Post Office and Court House at Pendleton, Oregon. Three-story and basement, fireproof building; ground area, 5,500 square feet; stone, terra cotta, and brick facing. Drawings and specifications may be obtained, after February 11, 1915, from the Custodian of site at Pendleton, Oregon, or at this office, in the discretion of the Supervising Architect. O. WENDEROTH, Supervising Architect. (*)

NOTICE TO CONTRACTORS.

SEALED bids will be received by W. F. McClure, State Engineer, Forum Building, Sacramento, California, up to and including **12 o'clock, noon, Tuesday, March 16, 1915**, said bids then and there to be publicly opened and read for furnishing all plant, materials, and labor, and doing the work required for the complete construction and erection of a building to be known as the Model Rural School, Chico State Normal School, Chico, California, in accordance with the plans and specifications therefor, copies of which may be obtained on application to the State Department of Engineering, Sacramento, California.

Such bids will be received for the Entire Work, and must be submitted on forms prepared and furnished by the State Department of Engineering.

Cash, a bidder's bond, or a certified check in the sum of ten per centum (10%) of the amount of the bid must

A deposit of Ten (\$10.00) Dollars accompany each bid.

will be required on plans and specifications, the deposit to be returned on the return of the plans and specifications to the State Department of Engineering, a Sacramento, California, in good condition.

The State Department of Engineering reserves the right to reject any and all bids and to waive any informality in any bid received.

All bids must be addressed to W. F. McClure, State Engineer, Sacramento, California, and plainly marked on the envelope: "Proposals for Model Rural

School, Chico State Normal School, Chico, California."

(Signed) W. F. McCLURE,
State Engineer.

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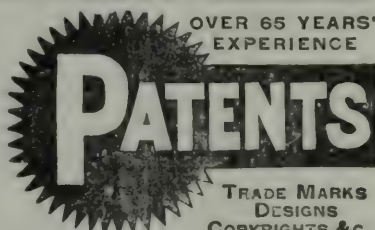
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OLD TIN.

The expensiveness of pure tin accounts for the care with which it is handled. It is astonishing how little tin can be made to cover thousands of cans. Yet tin would be still more expensive than it is had not the following process been invented for its recovery at very low cost: Great heaps of empty cans (preferably washed and dried by mechanical means) are piled up in an airtight room. Warm chlorine gas is forced into the room, where it reaches every nook and corner of the cans.

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CEMENT FACTORY IN INDIA.

[Consul Henry D. Baker, Bombay.]

An industry for the manufacture of Portland cement is about to be started at Katni, in the central Provinces of India, by the Katni Cement & Industrial Co. (Ltd.), which has now almost completed its works, which are intended to turn out from 30,000 to 35,000 tons per annum. The cement will be packed in bags and sold, it is said, at considerably lower prices than for imported Portland cement. The cement will be manufactured by the wet process in rotary kilns driven by electric power.

In addition to the cement works the company have erected works for the manufacture of roofing, ridge and ceiling tiles, glazed wall and flooring tiles, fire bricks, glazed drainage pipes from 3 to 30 inches diameter, glazed earthenware troughs for carrying electric cables, acid-proof jars, crucibles, and a number of hospital requirements.

Roofing tiles, fire bricks, and drainage pipes will be put on the market in a short time and the other articles mentioned will follow in due course. The agents of the company are C. MacDonald & Co., Cox's Buildings, Hornby Road, Bombay, India.

ADVANCE NEWS

Classified according to Location

SAN FRANCISCO.

APARTMENT HOUSE—3 story and base, frame, \$20,000. San Francisco. Architect, Charles E. Gottschalk, Pheasant Bldg., S. F. Owner, Charles Farrell. The building will be erected on the north side of Filbert street west of Polk, and has been designed to contain a number of two and three room suites, all of which will have wall beds and private bath rooms. Interior finish will be of pine and elm panels. Some hardwood floors will be used. There will be steam heat, a hot water system and vacuum cleaning. Entrance will be finished in tile and marble. Tile wainscot and composition floors will be used in the bath rooms. Exterior of the building will be covered with cement plaster on metal lath. Plans are complete and figures are being taken.

APARTMENT HOUSE—2 story and base, frame, \$18,000. San Francisco. Architect, O. R. Thayer, 20 Montgomery street, S. F. Owners, McMillin and Van Voorheis. The building will be erected at the southwest corner of Grove and Clayton streets. The building will have a frontage of 40 feet on Clayton street and 11½ feet on Grove. The building has been designed with a high basement which will accommodate the automobiles of the tenants. First floor of the building has been arranged for a large lobby and social room, besides three suites of three rooms, one of four and one of two rooms. The second floor will contain five three-room apartments. Interior finish will be of pine throughout except the lobby and social room which will be finished in red gum. Living rooms and dining rooms will have hardwood floors. French doors with red gum trim will be used throughout. All apartments will have large dressing rooms and private baths. Steam heat, a hot water circulating system, portable vacuum cleaning and wall beds are specified. Bath rooms will have tile wainscot and composition floors. Outer vestibule will be finished in marble and mosaic. The building has been designed in the Spanish renaissance style and will be faced with brick veneer from the sidewalk to water table and with stucco above that point. A clay tile roof and clay tile cornice will be used. The entire investment will represent about \$25,000. Plans are being prepared.

APARTMENT HOUSE—2 story and base, frame, \$5,000. San Francisco. Architect, Charles Fantoni, 916 Kearny street, S. F. Owner's name withheld. The building will be erected on the west side of Kearny street between Filbert and Union streets, and has been designed to contain a number of small apartments. Interior finish will be of pine and redwood. There will be private bath rooms finished in tile. Exterior of the building will be covered with rustic and cement plaster on metal lath. Plans are complete

and figures are being taken by the architect.

APARTMENT HOUSE—7 story and base, steel and reinforced concrete, \$200,000. Ogden, Utah. Architect, Henry H. Meyers, Kohl Bldg., S. F. Owners, Federal Land and Mortgage Co., Ogden. The building will be the finest apartment house in the mountain states, and will be erected at the corner of Washinton and 26th streets, covering an area of 70 by 200 feet, and will be seven stories in height with a complete steel frame and exterior walls of concrete or brick. There will be several stores on the ground floor and a total of 102 apartments arranged in suites of two, three and four rooms on the upper floors. Plans will provide for all modern equipment such as steam heat, elevator service, vacuum cleaning and hot water supply. Several details of construction such as the interior finish, exterior or facing and mechanical equipment are still undetermined and Mr. Meyers will leave this week for a final consultation with the owners.

CITY HALL WORK—Cost not stated. San Francisco. Architects, Bakewell & Brown, 251 Kearny street, S. F. Owners, City and County of San Francisco. The architects have completed plans and specifications for the painting, glass and glazing and for the finish hardware for the City Hall. Bids will be called on this work as soon as the plans are approved by the Board of Public Works. Further notice will be given at that time.

WAREHOUSE—4 story and base, mill construction, \$150,000. San Francisco. Architect, Leo J. Devlin, Pacific Bldg., S. F. Owner, John Rapp, leased to Dunham, Carrigan & Hayden. The building will be erected at the southwest corner of Division and Kansas streets and will cover a large ground area. Construction will be of the slow burning, heavy mill type. A complete description of the work was published in these columns last week. Bids have been taken and a contract will be awarded within the next few days.

FRENCH LAUNDRY—2 story frame, alterations. Cost not stated. San Francisco. Architect, Albert L. Lapachet, French Bank Bldg., S. F. Owners Bryant Street French Laundry. These alterations will consist of interior rearrangement, plumbing, plastering, electric work and the installation of laundry machinery. Plans are being prepared and figures will be called for in a few days.

FACTORY REPAIRS—2 story and base, frame, \$6,000. San Francisco. Architect, none. Owners, San Francisco Casket Co., 621 Guerrero street, S. F. The building, recently damaged by fire will be repaired. This work will include new interior trim, plumbing, plastering and electric work. Some new exterior work will also be required. Plans are complete and in the hands of the owners who will do

the work by Day Labor.

FLATS—3 story and base, frame, \$5,000. San Francisco. Architect, none. Owner, Gustav Spitz, 232A Langton street, S. F. The building will be erected on the west side of Langton St. north of Howard, having a frontage of 25 feet and a depth of 52 feet. There will be three modern flats of four, five and six rooms. Interiors will be finished in pine and redwood. There will be open fire places and tile mantels. Some hardwood floors will be used. Bath rooms will have tile wainscot and composition floors. Exterior will be covered with rustic and cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor. Materials are now being purchased.

FLATS—2 story and base, frame, \$5,000. San Francisco. Architect, H. E. Harris, Monadnock Bldg., S. F. Owner, C. A. Rushton, 3744 9th avenue, S. F. The building will be erected at the southwest corner of Cabrillo and 9th avenue, covering an area of 25 by 85 feet. There will be four modern flats of four and five rooms, each with sleeping porch. Interiors will be finished in pine, redwood and elm. Hardwood floors will be used in the living and dining rooms. There will be furnace heat and open fire places. Mantels will be of tile or brick. Bath rooms will have tile wainscot and composition floors. Automatic water heaters will be installed. Exterior of the building will be covered with rustic and cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor. Materials are now being purchased.

FLATS—2 story and base, frame, \$5,500. San Francisco. Architect Charles C. Frye, 20 Montgomery street, S. F. Owner's name withheld. The building will be erected in the Richmond District, and has been designed for a two-flat building, each flat to contain six rooms and bath. Interior will be finished in pine and elm panels. Hardwood floors will be used in the living rooms, dining rooms and reception halls. There will be furnace heat and open fire places. Mantels will be of tile or brick. Tile wainscot and floors will be used in the bath rooms. Exterior of the house will be covered with rustic and cement plaster on metal lath. Plans are now being prepared.

FLATS—3 story and base, frame, \$5,000. San Francisco. Architect, C. Fantoni, 916 Kearny street, S. F. Owner's name withheld. The building will be erected on Stockton street between Greenwich and Filbert, and has been designed to contain three flats of four, five and six rooms. Interiors will be finished in pine and redwood. Some oak floors will be used. Each living room will have an open fire place with tile or brick mantel. Bath rooms will be finished in imitation tile. Tile

and mosaic will be used in the entrance. Exterior of the building will be covered with rustic and cement plaster on metal lath. Plans are being completed and the work will be done by Day Labor.

FLATS—3 story and base, frame, \$11,000. San Francisco. Architect, C. Fantoni, 916 Kearny street, S. F. Owner's name withheld. The building will be erected at the northeast corner of Filbert and Stockton streets, and has been designed for one store on the first floor and two modern flats on the upper floors. Interiors will be finished in pine and redwood. Hardwood floors will be used in the living and dining rooms. There will be open fire places in the living rooms. Bath rooms will have tile wainscot and composition floors. Exterior will be covered with cement plaster on metal lath. Plans are complete and figures are being taken.

FLAT—2 story and base, brick, \$5,000. South San Francisco, San Mateo Co., Cal. Architect, C. Fantoni, 916 Kearny street, S. F. Owner's name withheld. The building will contain a store on the first floor and two small flats on the second floor. Interior will be finished in pine throughout. There will be open fire places and tile or brick mantels. Bath rooms will have tile wainscot and composition floors. Patent store fronts are specified. Exterior of the building will be faced with pressed brick. Plans are now being prepared.

HOTEL—5 story and base, brick and steel, \$60,000. San Francisco. Architect, none. Owners, McKillop Bros., 540 Cole street, S. F. The building will be erected on the north side of Mission street west of Mint avenue, covering an area of 50 by 160 feet. There will be in the neighborhood of 150 rooms, a large office and lobby and public baths. Interior finish will be of pine and redwood. There will be steam heat, elevator service and a hot water supply. Patent store fronts are specified. Bath rooms will have imitation tile wainscot and composition floors. Office and lobby will be finished in hardwood and will have a tile floor. Exterior of the building will be faced with pressed brick. Plans are complete and in the hands of the owners who will do the work by Day Labor. Materials are now being purchased.

HOTEL—4 story and base. Class C construction, \$30,000. San Francisco. Architect, D. J. Patterson, Mechanics' Institute Bldg., S. F. Owner, Louis Gassner. The building will be erected at the northeast corner of Stockton and Sacramento streets, covering an area of 67 by 69 feet. There will be eight stores on the first floor besides the hotel office, lobby and entrance. Upper floors will contain a total of 42 rooms and baths. Interior finish will be of pine, redwood and hardwood. Tile floor will be used in the lobby and office. Plans provide for steam heat, elevator service, patent store fronts and hot water service. Exterior of the building will be faced with pressed brick. Plans are complete and the work will be done by Day Labor.

HOTEL ADDITION—1 story, frame \$5,000. San Francisco. Architect, C. Fantoni, 916 Kearny street, S. F. Owner's name withheld. This work will

consist of the addition of 20 rooms to the frame building on the south side of Fulton street between Gough and Octavia. Interior finish will be of pine and redwood. Exterior will be covered with rustic and shiplap. Plans are complete and the work will be done by Day Labor.

HOSPITAL TILE WORK—Cost not stated. San Francisco. Architects, City Department of Architecture, Temporary City Hall, S. F. Owners, City and County of San Francisco. Plans have been completed for the glazed tile partition work in the various ward buildings at the San Francisco Hospital. Bids are now being taken by the Board of Public Works and figures will be opened on March 10th.

BRANCH POST OFFICE—2 story, brick, stone and steel, \$80,000. San Francisco. Engineer, Assistant State Engineer Newman, Ferry Bldg., S. F. Owners, State of California. Plans have been completed for the new Ferry Branch Post Office, which is to be erected on the water front south of the Ferry Building. The foundation work and steel have already been let. Plans are now out for figures on the general construction. Bids will be opened on March 11th. Plans and specifications can be secured from the office of the State Board of Harbor Commissioners in the Ferry Building.

RESIDENCE—2 story and base, frame, \$2,500. San Francisco. Architect, none. Owner, Eunice E. Westwater. The dwelling will contain five rooms and bath and will be erected on rior will be finished in pine and redwood. Some hardwood floors will be used. There will be open fire places and tile mantels. Bath rooms will be finished in imitation tile. Exterior of the house will be covered with rustic and cement plaster. Plans are complete and in the hands of the owner who will do the work by Day Labor.

RESIDENCE—2 story and base, frame, \$2,500. San Francisco. Architect, none. Owner, W. H. Kenny, 430 Arguello Boulevard, S. F. The dwelling will be erected on the west side of 9th avenue north of Cabrillo and has been designed to contain five rooms and bath. Interior finish will be of pine and redwood. Hardwood floors will be used in the living and dining rooms. There will be open fire place in the living room. Mantel will be of tile. Exterior of the house will be covered with rustic and cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor.

AGRICULTURAL HALL—2 story and base. Class A construction, \$80,000. Carson City, Nev. Architects Bliss & Faville, Balboa Bldg., S. F. Owners, State of Nevada. The building will cover an area of 165 by 100 feet. Plans for this unit of the new University of Nevada group have been complete for some time, but funds have not been available for construction. Governor Emmet D. Boyle, in a special message to the state legislature has submitted recommendations for a total appropriation of \$447,446.50 for the State University, which includes the amount of \$80,000 for construction of this building. Further mention will be made of the work when bids are called.

STORE AND OFFICE ALTERATION—Class C construction, \$25,000. San

Francisco. Architect, Henry H. Meyers, Kohl Bldg., S. F. Owners, Hyman Bros., under lease to D. Samuels. The building at the northwest corner of O'Farrell and Stockton streets will undergo extensive alterations. This building was formerly occupied by the D. Samuels Lace House, but will be altered for small stores on the first floor and modern offices on the upper floors. The work will include plastering, interior finish, mill work, plumbing, patent store fronts and electric work. Plans are being prepared.

STORE ALTERATION—Class C construction, \$12,000. San Francisco. Architect, Clay N. Burrell, Albany Bldg., Oakland. Owners, Forman & Clark. The work will consist of finishing the main entrance and two stores located in the building on the north side of Market street near Grant avenue. There will be marble and tile work, plumbing and patent store fronts. Plans are being prepared.

RESIDENCE—3 story and base, brick, \$50,000. San Francisco. Architect, Lewis P. Hobart, Crocker Bldg., S. F. Owner, Mrs. Sidney P. Ehrman. The dwelling will be erected on the north side of Broadway west of Baker, and has been designed for a high-class city residence. Interior will be finished in hardwood and white enamel. Hardwood floors will be used throughout. Bath rooms will be finished in tile. Plans provide for steam heat, a hot water circulating system, vacuum cleaning and other modern conveniences. Exterior will be faced with pressed brick and terra cotta. Plans have been out for bids and figures have been taken under advisement. Contracts will be let in the course of a few days.

FLATS—2 story and base, frame, \$4,000. San Francisco. Architect, none. Owner, William Miller, 49 Park street, S. F. The building will be erected on the east side of Florida north of Army street, and has been designed to contain four small flats. Interiors will be finished in pine and redwood. Some hardwood floors will be used. There will be open fire places and tile mantels. Bath rooms will have imitation tile wainscot and composition floors. Exterior of the building will be covered with rustic and cement plaster. Plans are complete and in the hands of the owner who will do the work by Day Labor.

FLAT ADDITIONS AND ALTERATIONS—Frame construction, \$3,000. San Francisco. Architect, none. Owner, M. J. Depew, 308 San Jose avenue, S. F. The work will consist of an addition of three rooms, new interior finish, plastering, plumbing and electric work in the old portion of the building. Exterior will be covered with rustic and shiplap. Plans are complete and in the hands of the owner who will do the work by Day Labor.

FACTORY—2 and 4 story and base, reinforced concrete, \$150,000. San Francisco. Engineer, Engineering Department, American Can Co., New York, local representative Mr. Woods. The company has purchased a large tract of land in the Potrero District and will improve the same with one of the most modern can manufacturing factories in the country. Plans will be forwarded to this city within the next week or ten days. Further mention will be made of the proposed buildings.

PATHOLOGICAL WARD AND GARAGE—2 story and base. Class A construction, \$80,000. San Francisco. Architects, August Headman, New Call Bldg., and P. Righetti, Phelan Bldg. Owners, City and County of San Francisco. The Board of Public Works has issued a notice to all contractors that the date for opening bids for the general construction of the Pathological Ward and Garage building at the San Francisco Hospital has been postponed until March 19th.

RESIDENCE—2 story and base, frame, \$3,000. San Francisco. Architect, none. Owner, F. Nelson, 30 Presidio Terrace, S. F. The dwelling has been designed for a six-room house and will be erected on the west side of Hill street north of Parnassus. Interior will be finished in pine and redwood. Some hardwood floors will be used. There will be an open fire place and tile mantel. Bath room will have tile wainscot. An automatic water heater will be installed. Exterior of the dwelling will be covered with rustic and cement plaster. Plans are complete and the work will be done by Day Labor.

RESIDENCE—2 story and base, frame, \$3,000. San Francisco. Architect, none. Owner J. C. Kirby, 2152A Market street, S. F. The dwelling has been designed for a six-room house and will be erected on the west side of 12th avenue near Anza. Interior will be finished in pine and redwood. Some hardwood floors will be used. There will be tile wainscot in the bath room and an automatic water heater. Open fire places and tile mantels are specified. Exterior of the dwelling will be covered with rustic and cement plaster on metal lath. Plans are in the hands of the owner who will do the work by Day Labor.

RESIDENCE—2 story and base, frame, \$2,700. San Francisco. Architect, none. Owner, Thomas Hamill, 258 25th avenue, S. F. The dwelling will be erected on the east side of 12th avenue near Geary, and has been designed for a five-room house with bath. Interior finish will be of pine and redwood. Hardwood floors will be used in the principal rooms. There will be an open fire place and tile mantel. Tile wainscot will be used in the bath room. Exterior of the dwelling will be covered with rustic and cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor.

TERMINAL LOOP—Cost not stated. San Francisco. Engineer, City Engineer, Temporary City Hall, S. F. Owners, City and County of San Francisco. The Secretary of the Board of Public Works has been directed by the Supervisors to call for bids for the construction of the Beach Terminal Loop of the Geary Street Municipal Railroad.

SCHOOL HARDWARE—Cost not stated. San Francisco. Architect, City Department of Architecture, Temporary City Hall, S. F. Owners, City and County of San Francisco. Bids are now being taken for furnishing the finish hardware for the Academic Building, Polytechnic High School group. Bids will be opened on March 31st. Plans and specifications can be secured from the Department of Architecture.

OFFICE BUILDING—8 story and base. Class A construction, \$150,000. San Francisco. Architect, Edgar A. Mathews, 251 Sutter street, S. F. Owners, Pacific Gas and Electric Co. This building will be erected on the south side of Sutter street east of Powell, adjoining the present building of the company, and will be used in conjunction with this building. Construction will be of the class A type with a complete steel frame, brick walls and hollow tile interior partitions. The building will have a frontage of 45½ feet and a depth of 138 feet. Interior will be finished in pine and hardwood with some metal trim. There will be steam heat, elevator service, vacuum cleaning and a hot water supply. Considerable marble and tile and ornamental plaster will be used. Exterior of the building will be faced with pressed brick and terra cotta. Plans are now being prepared.

Contracts Awarded.

OFFICE ALTERATIONS—Class A construction, \$3,500. San Francisco. Architect, G. Albert Lansburgh, 709 Mission street, S. F. Owners, Orpheum Theatre Co. Contractor, C. M. Moore, 2880 Vellejo street, S. F. Contract price, \$3,500.

APARTMENT HOUSE—3 story and base, frame, \$14,700. San Francisco. Architect, J. F. Dumm, Monadnock Bldg., S. F. Owner, Frank Young. Contractor, W. H. Morphy, 2312 Clay street, S. F.

WAREHOUSE—4 story and base, mill construction, \$150,000. San Francisco. Architect, Leo J. Devlin, Pacific Bldg., S. F. Owner, John Rapp, leased to Dunham, Carrigan & Hayden. Contractor, James S. Fennell, brick work, and R. A. Chrisholm, carpentry work. Contract prices not stated.

Building Contracts Awarded.

San Francisco

No.	Owner.	Contractor	Amt.
642	S F Casket.....	Owner	6000
643	Drossel	Brutcher	450
644	McClure	Verner	1000
645	Brown	Miller	400
646	Hunseith	Hunseith	1800
647	Sylvia	Sylvia	2500
648	Allyne	Barrett	11944
649	Welsh	Welsh	4000
650	Western Pac	Hyde	
651	Boutonnet	Wright	1500
652	Sweeney	Mallock	5420
653	Orpheum	Moore	3500
654	Chr Scient	Snook	1580
655	Hauschildt	Erberger	765
656	Pacific Gas	Healy	700
657	Meyer	McArthur	2500
658	Tsikoors	Steur	2640
659	Santa Fe	Owner	2915
660	Santa Fe	Owner	1687
661	Heyman	Heyman	1750
662	Colley	Low	450
663	Traversaro	Bozzini	400
664	S F Golf Club	Olsen	450
665	Liebes	Bluxome	400
666	Volkman	Streshly	500
667	Cottle	Heaphy	700
668	Lefor	Gold	450
669	Hannah	Hannah	400
670	Stryker	Johns	400
671	McCarthy	McCarthy	1000
672	Hooper	Moore	500
673	Mehegan	Newsom	7200
674	Wallace	McKenzie	2168
675	P P I E	Tittle	6285
676	Same	Arnott	6823
677	Same	Beachey	4145
678	Same	Beachey	1656
679	Daly	Gillogley	520
680	Spirz	Spirz	5100
681	Burnham	Wold	600
682	Bacchini	Bacchini	400
683	Strauss	Robinson	400
684	Goebb	Cox	400
685	Stewart	Brumfield	400
686	Lubfin	Schefski	500
687	Catholic Church	Owner	400
688	Kenny	Kenny	2500

689	Crocker	Crocker	400
692	U R R	Williams	7190
693	Rlty & Rebidg	Sullivan	12250
694	McKillop	McKillop	60000
695	Phelps	Phelps	400
696	Parks	Currie	400
697	Rushton	Rushton	5000
698	Westwater	Westwater	2000
699	Buckbee	Swenson	450
700	Hollingsworth	Stromswold	400
701	Miller	Miller	4000
702	Brees	Hamill	2750
703	Sales	Hamill	2750
704	Hamill	Hamill	2750
705	Depew	Depew	3000
706	Acd'y Science	Farrell	55500
707	P P I E	Wrighton	3750
708	Ames	Fletcher	16700

REPAIRS

(642) E GUERRERO 150 S 18th. Repair fire damages.
Owner.....S. F. Casket Co., 621-627
Guerrero, S. F.
Architect...None.
Day's work. COST, \$6600

CONCRETE FLOOR, ETC.

(643) NO. 375 CHURCH. Concrete floor and minor changes for garage.
Owner.....Dr. A. Drossel, 16th, bet. Noe and Sanchez, S.F.
Architect...None.
Contractor..Brutcher & Serna, 110 Jessie, San Francisco.
COST, \$150

FRAME DWELLING

(644) NO. 1367 SEVENTH AVE. One-story frame dwelling.
Owner.....C. A. McClure, 1763 Golden Gate Ave., San Francisco.
Architect...None.
Contractor..John Carlson, 31 Rivoli and J. H. Verner, 1921 23rd San Francisco.
COST, \$1000

REPAIRS

(635) NO. 217 TEHAMA. Repair roof, partitions and supports.
Owner.....Geo. A. Brown Estate Co., Premises.
Architect...None.
Contractor..Fred Miller, 225 Dolores, San Francisco.
COST, \$400

ALTERATIONS

(646) S NINETEENTH 81-8 W Douglas. Alter and add to flats.
Owner.....G. Heunseith, 4515 19th, San Francisco.
Architect...None.
Day's work. COST, \$1800

FRAME FLATS

(647) W TWENTY-FIFTH AVE 300 N Clement. Two-story and basement frame (2) flats.
Owner.....A. M. Sylvia, 371 30th Ave San Francisco.
Architect...None.
Day's work. COST, \$2500

CLASS "C" STORE BUILDING

(648) E POLK 87-84 S Clay S 40xE 102-104. All work for one-story and basement Class "C" store building.
Owner.....Mary N., Lucy H. & Edith W. Allyne.
Architect...Reid Bros., California-Pacific Bldg., S. F.
Contractor..Barrett & Hilt, Sharon Bldg., San Francisco.
Filed Mar. 1, '15. Dated Mar. 1, '15.
On 20th of each month..... 75%
Usual 35 days..... 25%
TOTAL COST, \$11,944
Bond, \$6000. Surety, Pacific Coast Casualty Co. Limit, May 20, 1915.

Forfeited, \$8. Plans and specifications filed.

FRAME DWELLING

(649) W SIXTEENTH AVE 146-1 S California S 25xW 120 O L 166. All work for two-story frame dwelling.

Owner.....Jas. Welsh.

Architect...None.

Contractor..Jas. Welsh & Co., 244 20th Ave., San Francisco.

Filed Mar. 2, '15. Dated Mar. 1, '15.

Rafters in\$1000

Brown coated 1000

Accepted 1000

Usual 33 days..... 1000

TOTAL COST, \$4000

Bond, none. Limit, 90 days. Forfeited, plans and specifications, none.

PILES, ETC.

(650) ON WATER FRONT OF CITY and County of San Francisco on E East street approximately SE Beale and Brannan. All work for 116 spring, 3 mooring and 12 cluster piles on S side of Pier 84.

Owner.....Western Pacific Railway Co., Mills Bldg., S. F.

Architect...None.

Contractor..Hyde Harjes & Co., 110 Market, San Francisco.

Filed Mar. 2, '15. Dated Mar. 2, '15.

On completion 75%

36 days after 25%

TOTAL COST, \$16 per pile and \$40 per thousand for all lumber used.

Bond, \$1200. Surety, Massachusetts Bonding & Insurance Co. Limit, 15 days. Forfeited, none. Plans and specifications filed.

COTTAGE

(651) N THORNTON AVE 50 E Pomona Ave 25xN 100. All work for one-story and basement cottage.

Owner.....Louis and Gabrielle Boutonnet, 2051 Quesada Ave., San Francisco.

Architect...None.

Contractor, George C. Wright and Perry F. Hoff, 640 Berlin, San Francisco.

Filed Mar. 2, '15. Dated Mar. 1, '15.

Frame up\$375

Brown coated 375

Completed and accepted..... 375

Usual 35 days..... 375

TOTAL COST, \$1500

Bond, none. Limit, 90 days. Forfeited, none. Plans and specifications filed.

ALTERATIONS, ETC.

(652) (A) E FILLMORE 62-6 S Chestnut 87-6x75 front; (B) S Chestnut 97-4 E Fillmore; (A) 25 feet of this lot is 112-6 deep. All work for one story new frame and alter one-story brick stores.

Owner.....Jas. P. Sweeney, Nevada Bank Bldg., S. F.

Architect...M. I. Schwartz, Nevada Bank Bldg., S. F.

Contractor..J. S. Malloch, 110 Jessie, San Francisco.

Filed Mar. 2, '15. Dated Mar. 1, '15.

Roof boards on.....\$1355

Plaster on 1355

Completed and accepted..... 1355

Usual 35 days..... 1355

TOTAL COST, \$5420

Bond, none. Limit, 20 days after Mar. 2. Forfeited, none. Plans and specifications filed.

PLATFORMS

(659) N BRYANT 103 W Spear. Con-

struct loading and unloading platforms.

Owner.....Atchinson, Topeka and Santa Fe Railway Co.

Architect...None.

Day's work. COST, \$2915

PLATFORMS

(660) NW BRYANT & SPEAR. Construct loading and unloading platforms

Owner.....Atchinson, Topeka and Santa Fe Railway Co.

Architect...None.

Day's work. COST, \$1687

FRAME DWELLING

(661) W FORTY-FIRST AVE 100 N Anza. One and one-half-story and basement frame dwelling.

Owner.....Oscar Heyman & Bro., 742 Market, San Francisco.

Architect...None.

Contractor..Heyman & Bro., 742 Market, San Francisco.

COST, \$1750

ALTERATIONS

(662) N TWENTY-THIRD No. 4047. Alter and add to flats.

Owner.....Mr. Colley, Premises.

Architect...None.

Contractor..James Low, 1501 Valencia, San Francisco.

COST, \$450

ALTERATIONS

(663) N LOMBARD 25 W Scott. Alter stores.

Owner.....L. Traversaro, 2408 Lombard, San Francisco.

Achitect...A. Fraschina, 6 Imperial Ave., San Francisco.

Contractor..J. Rozzini, 2209 Lombard, San Francisco.

COST, \$400

ADDITION

(664) E JUNIPERO SERRA BLVD & South Ocean Ave. Add for garage.

Owner.....S. F. Golf & Country Club, Premises.

Architect...None.

Contractor..O. Olsen, 260 Beverly, San Francisco.

COST, \$450

ALTERATIONS

(665) S POST 100 E Grant Ave. Cut opening in wall and install Kinnear door.

Owner.....H. Liebes & Co., Post and Grant Ave., San Francisco.

Architect...L. P. Hobart, Crocker Bldg., San Francisco.

Contractor..Bluxome & Co., 528 Monadnock Bldg., S. F.

COST, \$400

ALTERATIONS

(666) NO. 24 DEARBORN PLACE. General alterations for unfinished flats.

Owner.....P. Volkman, 24 Van Ness Ave., San Francisco.

Architect...None.

Contractor..Geo. L. Streshly, 2400 Van Ness Ave., San Francisco.

COST, \$500

NEW FLOOR

(667) SW VAN NESS AVE AND Broadway. New floor.

Owner.....Rev. J. E. Cottle, 2117 Van Ness Ave., San Francisco.

Architect...None.

Contractor..J. J. Heaphy, 1721 Lombard, San Francisco.

COST, \$700

FRAME STORE

(668) No. 2960 FILLMORE. One-story frame store.

Owner.....Mrs. Mae Lefor.

Architect...None.

Contractor..A. A. Gold, 2960 Fillmore, S. F.

COST, \$450

FRAME DWELLING

(669) W TWENTY- FIRST AVE 125 S Santiago. One-story and basement frame dwelling.

Owner.....Percy J. Hannah, 750 Monadnock Bldg., S. F.

Architect...None.

Day's work. COST, \$500

GARAGE

(670) NO. 1907 BAKER. Garage in basement.

Owner.....Chas. Stryker, Premises.

Architect...None.

Contractor..Arthur Johns, 1903 Baker, S. F.

COST, \$400

FRAME DWELLING

(671) E BANKS 25 N Powhattan. One-story and basement frame dwelling.

Owner.....John McCarthy.

Architect...None.

Day's work. COST, \$1000

ALTERATIONS

(672) N O'FARRELL 137-6 W Powell. Minor alterations on hotel.

Owner.....C. A. Hooper & Co., Balboa Bldg., San Francisco.

Architect...G. B. Schrofer, Balboa Bldg., San Francisco.

Contractor..C. P. Moore Bldg. Co., Sharon Bldg., S. F.

COST, \$500

(673) S PINE 181-3 W Fillmore W 50 xS 127-6. All work except electric wiring and fixtures, painting and gasoline tanks for one-story brick garage building

Owner.....P. J. Mehegan, 2343 Pine, San Francisco.

Architect...Matthew O'Brien, 68 Post, San Francisco.

Contractor..Wm. A. Newsom, Sharon Bldg., San Francisco.

Filed Mar. 4, '15. Dated Mar. 2, '15.

On 1st of each month as work progresses 75%

Usual 35 days..... 25%

TOTAL COST, \$7200

Bond, \$3600. Sureties, Chas. J. U. Koenig and Herman Lawson. Limit, 60 days. Forfeited, \$10. Plans and specifications filed.

FRAME DWELLING

(674) E TWENTY-FOURTH AVE 225 S Geary S 25xE 120. Carpenter, plumbing and mill work for one-story and basement frame dwelling.

Owner.....A. C. Wallace, Whitney Bldg., San Francisco.

Architect...Foulkes & Hildebrand, Crocker Bldg., S. F.

Contractor..K. H. McKenzie, 2783 McAllister, San Francisco.

Filed Mar. 4, '15. Dated Feb. 25, '15.

Frame up and roof on.....\$542

Brown coated 542

Completed and accepted..... 542

Usual 35 days..... 542

TOTAL COST, \$2168

Bond, \$1084. Surety, Pacific Coast

Casualty Co. Limit, 75 days. Forfeit, \$5. Plans and specifications filed.

ELECTRICAL WIRING

(675) EXPOSITION SITE. Electric wiring for Fine Arts Building.

Owner.....Panama-Pacific International Exposition Co., Service Bldg., S. F.

Architect...None.

Contractor..H. S. Tittle, 245 Minna, San Francisco.

Filed Mar. 4, '15. Dated Jan. 22, '15.

As work progresses..... 75%

Usual 35 days..... 25%

TOTAL COST, \$6285

Bond, \$4000. Surety, Pacific Coast Casualty Co. Limit, 30 days. Forfeit, \$50. Plans and specifications filed.

COMFORT STATION

(676) EXPOSITION SITE. Constructing public comfort station No. 4.

Owner.....Panama-Pacific International Exposition Co., Service Bldg., S. F.

Architect...None.

Contractor..Jas. Arnott & Son, 517 Noe San Francisco.

Filed Mar. 4 '15. Dated Jan. 26, '15.

As work progresses..... 75%

Usual 35 days..... 25%

TOTAL COST, \$6823

Bond, \$4000. Surety, Royal Indemnity Co. Limit, 30 days. Forfeit, \$15. Plans and specifications filed.

TELEPHONE STATION, ETC.

(677) NW CHESTNUT & WEBSTER N 275xW 412-6. All work for construction of telephone station No. 1 and gatenmen's locker.

Owner.....Panama-Pacific International Exposition Co., Service Bldg., S. F.

Architect...None.

Contractor..Beachey & Dustenhoff.

Filed Mar. 4, '15. Dated Feb. 13, '15.

As work progresses..... 75%

Usual 35 days..... 25%

TOTAL COST, \$1656

Bond, \$1000. Surety, Pacific Coast Casualty Co. Limit, 22 days. Forfeit, \$25. Plans and specifications filed.

SERVICE BUILDING ANNEX

(678) EXPOSITION SITE. All work for construction of Service Bldg. Annex.

Owner.....Panama-Pacific International Exposition Co., Service Bldg., S. F.

Architect...None.

Contractor..Beachey & Dustenhoff.

Filed Mar. 4, '15. Dated Feb. 3, '15.

As work progresses..... 75%

Usual 35 days..... 25%

TOTAL COST, \$4145

Bond, \$2500. Surety, Pacific Coast Casualty Co. Limit, 22 days. Forfeit, \$25. Plans and specifications filed.

FRAME FLATS

(679) E TWENTIETH AVE 125 S Irving S 120xE 25. All work for two story and basement frame flats.

Owner.....John and Nellie Daly.

Architect...None.

Contractor..J. Gillogley & Sons, 714 San Jose Ave., S. F.

Filed Mar. 4, 15. Dated Mar. 3, '15.

Rough frame up and roof boards on\$1305

Brown coated 1305

Completed and accepted..... 1305

Usual 35 days..... 1305

TOTAL COST, \$5220

Bond, \$2610. Sureties, Sylvain J. Lazarus and R. W. Gillogley. Limit, 100 days. Forfeit, none. Plans and specifications filed.

FRAME FLATS

(680) W LANGTON 250 N Howard. Three-story and basement frame (3) flats.

Owner.....Gustav Spitz, 232-A Langton, San Francisco.

Architect...None.

Day's work. COST, \$3100

ADDITION

(681) NW CHESTNUT & LARKIN. Add to building for janitor's quarters

Owner.....Alice K. Burnham, Bkly.

Architect...B. G. McDougall, Sheldon Bldg., San Francisco.

Contractor..C. L. Wold, 75 Sutter, San Francisco.

COST, \$600

ALTERATIONS

(682) NE INGALLS & FITZGERALD. Alter, raise and add one-story frame

Owner.....A. Bacchini, 2299 Ingalls, San Francisco.

Architect...None.

Day's work. COST, \$400

ALTERATION

(683) NO. 25 KEARNY. Alter in vestibule of office building.

Owner.....Levi Strauss & Co., Pine and Battery, S. F.

Architect...None.

Contractor..Robinson & Gillespie, 1051 Sutter, San Francisco.

COST, \$400

ADDITION

(684) NO. 182 RANDALL. Add 4 rooms.

Owner.....Otto Goebel.

Architect...None.

Contractor..E. Cox, 1424 Valencia, San Francisco.

COST, \$400

ELECTRIC SIGN

(685) NO. 174 ELLIS. Electric sign.

Owner.....O. A. Stewart, Holbrook Bldg., San Francisco.

Architect...None.

Contractor..Brumfield Elec. Sign Co., 18 7th, San Francisco.

COST, \$400

FRAME GARAGE

(686) NO. 50 RAILWAY AVE. One-story frame garage.

Owner.....S. Lubfin, 3575 17th, S. F.

Architect...None.

Contractor..D. Schefski, 22 Arleta Ave San Francisco.

COST, \$500

ALTERATIONS

(687) NO. 2330 GREEN. Alter for garage.

Owner.....Roman Catholic Church.

Architect...None.

Day's work. COST, \$400

FRAME DWELLING

(688) W NINETEENTH AVE 92 N Cabrillo. Two-story and basement frame dwelling.

Owner.....W. R. Kenny, 430 Arguello Blvd., San Francisco

Architect...None.

Day's work. COST, \$2500

(689) S GOLDEN GATE AVE 60 W Jones. Sub-divide and alter store.

Owner.....W. H. Crocker, Crocker Bldg., San Francisco.

Architect...None.

Contractor..Crocker Estate Co., 525 Crocker Bldg., S. F.

COST, \$400

FRAME DWELLING

(690) W SIXTEENTH AVE 246 S California S 25xW 120 O L 166 (Note: As given in document.) All work for five-room frame dwelling.

Owner.....Elizabeth Higgins, 1940 Fulton, San Francisco.

Architect...None.

Contractor..Jas. Welsh, 244 20th Ave., San Francisco.

Filed Mar. 5, '15. Dated Feb. 10, '15.

On delivery of agreement.....\$1000

Balance \$5475 in monthly installments of \$45 or more, interest 6%.

TOTAL COST, \$6475

Bond, \$1000. Surety, Thos. Welsh. Limit, 90 days. Forfeit, plans and specifications, none.

FRAME DWELLING

(691) W SIXTEENTH AVE 246-1 S California S 25xW 120 O L 166 (Note As given in document.) All work for five-room frame dwelling.

Owner.....Jas. Welsh.

Architect...Plans by Contractor.

Contractor..James Welsh Co., 244 20th Ave., San Francisco.

Filed Mar. 5, '15. Dated Mar. 2, '15.

Rafters on\$1000

Brown coated 1000

Accepted 1000

Usual 35 days..... 1000

TOTAL COST, \$4000

Bond, none. Limit, 90 days. Forfeit, plans and specifications, none.

SUB-STATION

(692) W EIGHTH AVE 175 S Geary S 50xW 120 O L 276. All work for erection of sub-station building.

Owner.....United Railroads of S. F., Holbrook Bldg., S. F.

Engineer...W. B. Farlow.

Contractor..Williams Bros. & Henderson, Holbrook Bldg., S. F.

Filed Mar. 5, '15. Dated Mar. 4, '15.

On 1st of each month..... 75%

Usual 35 days..... 25%

TOTAL COST, \$7400

Bond, \$3750. Surety, Pacific Coast Casualty Co. Limit, 60 days. Forfeit, none. Plans and specifications filed.

REMOVAL OF BUILDING, ETC.

(693) BLK BDED BY FILLMORE, Turk, Eddy and Webster. Removal of building and underpinning of same.

Owner.....Realty & Rebuilding Co., 905 1st National Bank Bldg San Francisco.

Architect...J. R. Miller, Lick Bldg., San Francisco.

Contractor..D. J. & T. Sullivan, 1940 Folsom, San Francisco.

Filed Mar. 4, '15. Dated Mar. 3, '15.

35 days after completion.....\$12,250

TOTAL COST, \$12,250

Bond, \$6125. Surety, The Aetna Accident & Liability Co. Limit, 70 days. Forfeit, none. Plans and specifications filed.

BRICK ROOMING HOUSE

(694) N MISSION 25 W Mint Ave. Five-story and basement brick rooming house.

Owner.....McKillop Bros., 510 Cole,
San Francisco.
Architect...None.
Day's work. COST, \$60,000

ALTERATIONS
(695) NO. 1228 FORTY-SECOND AVE.
Alter front and add one room.
Owner.....A. S. Phelps, Premises.
Architect...None.
Day's work. COST, \$400

REPAIRS
(696) NO. 1902 BUSH. Repair roof,
painting, etc.
Owner.....Mrs. Parks, 1420 Masonic,
San Francisco.
Architect...None.
Contractor..Currie & Currie, 180 Jes-
sie, San Francisco.
COST, \$400

FRAME FLATS
(697) SW CABRILLO AND NINTH
Ave. Two-story and basement frame
(4) flats.
Owner.....C. A. Rushton, 3714 9th
Ave., San Francisco.
Architect...H. E. Harris, 432 Mo-
nadnock Bldg., S. F.
Day's work. COST, \$5000

FRAME DWELLING
(698) W VERNON 100 N Garfield.
Two-story and basement frame dwlg.
Owner.....Eunice E. Westwater, 230
Herman, San Francisco.
Architect...None.
Day's work. COST, \$2000

ADTERATIONS
(699) NO. 595 MARKET. Alterations
Owner.....Buckbee Thorne Co., 27
Montgomery, S. F.
Architect...None.
Contractor..Swenson & Franzen, 230
Tehama, San Francisco.
COST, \$450

ALTERATIONS
(700) S TWENTY-FIRST 30 W Worth
Alter dwelling.
Owner.....A. W. Hollingsworth.
Architect...None.
Contractor..J. C. Stromswald.
COST, \$400

FRAME TENEMENTS
(701) E FLORIDA 60 N Army. Two-
story and basement frame (4) tene-
ments.
Owner.....Wm. Miller, 49 Park, S. F.
Architect...None.
Day's work. COST, \$4000

FRAME DWELLING
(702) E EIGHTEENTH AVE 200 S
Geary. Two-story and basement
frame dwelling.
Owner.....E. Dress, 327 5th Ave.,
San Francisco.
Architect...None.
Contractor..Thos. Hamill, 268 25th
Ave., San Francisco.
COST, \$2750

FRAME DWELLING
(703) E EIGHTEENTH AVE 175 S
Geary. Two-story and basement
frame dwelling.
Owner.....W. H. Sales, 2352 Chest-
nut, San Francisco.
Architect...None.
Contractor..Thos. Hamill, 268 25th
Ave., San Francisco.
COST, \$2750

FRAME DWELLING
(704) E EIGHTEENTH AVE 150 S
Geary. Two-story and basement
frame dwelling.
Owner.....Thos. Hamill, 268 25th
Ave., San Francisco.
Architect...None.
Day's work. COST, \$2750

ALTERATIONS
(705) NO. 9 JURI (rear). Alter and
add for (4) flats.
Owner.....M. J. Depew, 308 San Jose
Ave., San Francisco.
Architect...None.
Day's work. COST, \$3000

BRICK WORK, ETC.
(706) GOLDEN GATE PARK. Brick,
concrete and reinforced concrete
work for Museum.
Owner.....California Academy of
Sciences.
Contractor..Lewis P. Hobart, Crocker
Bldg., San Francisco.
Contractor..Farrell & Reed, M. A.
Gunst Bldg., S. F.
Filed Mar. 6, '15. Dated Mar. 5, '15.
Amount paid on account.....\$35,917
Payments of 70% on 15th of each
month
Usual 35 days..... 30%
TOTAL COST, \$55,500
Bond, \$7250. Surety, Aetna Accident &
Liability Co. Limit, June 5, 1915. For-
feit, none. Plans and specifications
filed.

EXTENSION
(653) S O'FARRELL 82-6 W Stockton
W 55xS 82-6. Extension to Orpheum
Offices.
Owner.....Orpheum Theatre & Realty
Co., Premises.
Architect...G. Albert Lansburgh, 709
Mission, San Francisco.
Contractor..C. M. Moore, Sharon Bldg
San Francisco.
Filed Mar. 2, '15. Dated Mar. 1, '15.
Progressive payments to begin
March 1 75%
Usual 35 days..... 25%
TOTAL COST, \$3500
Bond, \$1750. Surety, The Aetna Acci-
dent Liability Co. Limit, May 1, 1915.
Forfeit, none. Plans and specifications
filed.

PLUMBING WORK
(654) N HAIGHT 187-6 E Central Ave
E 75xN 137-6. Plumbing work for
church building.
Owner.....Third Church of Christ
Scientist, San Francisco.
Architect...Edgar A. Mathews, Phelan
Bldg., San Francisco.
Contractor..Frederick W. Snook Co.,
596 Clay, San Francisco.
Filed Mar. 2, '15. Dated Feb. 15, '15.
Monthly installments of..... 75%
Usual 35 days..... 25%
TOTAL COST, \$1580
Bond, \$790. Surety, U. S. Fidelity &
Guaranty Co. Limit, 120 days. For-
feit, none. Plans and specifications
filed.

ALTERATIONS
(655) NO. 111 KEARNY. Alterations
and additions to room in building.
Owner.....The Hauschildt Music Co.,
51 Post, San Francisco.
Architect...Alfred Pyle.
Contractor..Michael Erberger.
Filed Mar. 3, '15. Dated Feb. 26, '15.
On completion 75%

Usual 35 days..... 25%
TOTAL COST, \$765
Bond, none. Limit, 14 days. Forfeit,
none. Plans and specifications filed

PILE DRIVING
(656) MASON STREET. Pile driv-
ing for Metropolitan Gas Works.
Owner.....Pacific Gas & Electric Co.,
445 Sutter, San Francisco.
Architect...None.
Contractor..Healy Tibbitts Constr. Co.,
9 Main, San Francisco.
Filed Mar. 3, '15. Dated Feb. 25, '15.
On completion 75%
Usual 35 days..... 25%
TOTAL COST, \$700
Bond, \$350. Surety, Hartford Accident
& Insurance Co. Limit, forfeit, none.
Plans and specifications filed.

FRAME DWELLING
(657) W TWENTY-FOURTH AVE 25
N Anza 25x82-6. All work for one-
and one-half-story and basement
frame dwelling.
Owner.....Nevada W. Meyer, 1960
Pierce, San Francisco.
Architect...H. E. and T. W. McArthur.
Contractor..H. E. & T. W. McArthur,
1560 Fell, San Francisco.
Filed Mar. 3, '15. Dated Mar. 2, '15.
Frame up and roof boards on..\$625
Brown coated 625
Completed and accepted..... 625
Usual 35 days..... 625
TOTAL COST, \$2500
Bond, \$1250. Surety, Pacific Coast
Casualty Co. Limit, 90 days. Forfeit,
none. Plans and specifications filed.

ALTERATIONS
(658) N CABRILLO 107-6 E 10th Ave
E 25xN 100. Alterations to one-
story frame residence into two-story
8-room house.
Owner.....George P. Tsikoores, 334
Cabrillo, San Francisco.
Architect...H. E. Harris, Monadnock
Bldg., San Francisco.
Contractor..Steur & Bury, 609 Olive
Ave., San Francisco.
Filed Mar. 3, '15. Dated Feb. 26, '15.
House raised and underpinning
in place\$330
Enclosed and window frames set 330
Brown coated 330
Plastered 330
Standing finish applied..... 330
Accepted 330
Usual 135 days..... 660
TOTAL COST, \$2640
Bond, \$1520. Surety, U. S. Fidelity &
Guaranty Co. Limit, 75 days from
March 3. Forfeit, none. Plans and
specifications filed.

ASPHALTIC SURFACE
(707) EXPOSITION SITE. All work
for asphaltic concrete wearing sur-
face for Exposition roadways.
Owner.....Panama-Pacific Interna-
tional Exposition Co., Ser-
vice Bldg., San Francisco.
Architect...None.
Contractor..Wrighton, Anderson &
Yost.
Filed Mar. 6, '15. Dated Feb. 15, '15.
As work progresses..... 75%
Usual 35 days..... 25%
TOTAL COST, \$3750
Bond, \$2500. Surety, Fidelity & De-
posit Co. of Maryland. Limit, 30 days.
Forfeit, \$20. Specifications only filed.

HOTEL
(708) SE TABER PLACE (Park

Lane North) 145 SW 2nd and 100 SW
Bryant SW 45 SE to South Park Ave
E to pt 145 SW from Second NW to
beg. All work except finish hard-
ware, window shades, hot water
heater and light fixtures for three-
story and basement hotel building.
Owner.....Brewster F. Ames, 251
Kearny, San Francisco.
Architect...Chas. C. Frye, 20 Mont-
gomery, San Francisco.
Contractor...Jas. P. Fletcher, 110 Jessie
San Francisco.

Filed Mar. 6, '15. Dated Mar. 6, '15.
Concrete walls poured and 1st
floor joists in place.....\$2000
Enclosed and roof boarded.... 3000
Brown coated 3500
Standing trim set..... 2000
Accepted 2025
Usual 35 days..... 4175
TOTAL COST, \$16,700
Bond, \$8350. Surety, Massachusetts
Bonding & Insurance Co. Limit, 90
days after date of permit. Forfeit,
\$10. Plans and specifications filed.

INCORPORATIONS

Pittsburg Water Heater Co. of Cal-
ifornia. To manufacture and install
water heater appliances. Capital
stock, \$20,000; 2000 shares at \$10 each;
amount subscribed, \$80. Place of
business, San Francisco. Directors—
Greenebaum, C. S. Aronson and Jos.
Sieben, 1 share each.

The Epicure Club, Social. No Cap-
ital Stock. 3 directors. Place of busi-
ness, San Francisco.

N Botto & Co. General shipping and
commission business. Capital Stock,
\$10,000; 500 shares at \$100 each;
amount subscribed, \$500. Place of
business, San Francisco. Directors—
N Botto, G. Vranizan, F. Buckley, A.
Eyer and G. Starr, 1 share each.

LEASES

Mar. 1, 1915—FILLMORE. Burke
Flanagan & Vanucci or Burke, Flan-
nigan & Vanucci to Pietro Amaros
and Vincenzo Forte, 4 years 11
months. \$20 per month.

BUILDERS' BOND.

Mar. 2, 1915—LOT 27 PTN BLK 2
Forrest Hill. I. H. Cory, owner
with McMullin Von Voorhies Co.,
contractors. Surety, Massachusetts
Bonding & Insurance Co. Bond,
\$2157.50.

CO-PARTNERSHIP.

Robert Henry and Robert A. Henry
Pacific Coast Boiler Works.
H. Schrodsky as Pacific Waist Co.

ARCHITECT'S CERTIFICATE.

Mar. 2, 1915—RALPH W. ARMITAGE
has filed his certificate of architecture

NOTICE OF NON-RESPONSIBILITY.

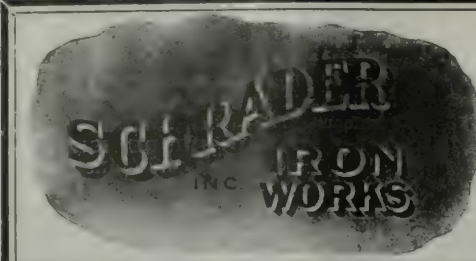
Mar. 5, 1915—SE STEINER AND
Chestnut S 25xE 100. R W and R
C Walbey as to improvements on
leased property
Mar. 4, 1915—W TWENTY-FIFTH
Ave 200 S California S 50xW 120.
Gustave Moller as to improvements
on leased property.....

COMPLETION NOTICES.

San Francisco

Feb. 25, 1915—EXPOSITION SITE.
California Fruit Cannery Ass'n to
Rupert Schmidt, Feb. 19, 1915; A
Knowles.....Feb. 19, 1915
Feb. 26, 1915—LOT 7 BLK 11 St.
Francis Wood, Duncan-McDuffie to
J S Gard, Feb. 17; C W Gubliner
& Co, Feb. 18; The J Lewellyn Co
.....Feb. 23, 1915
Feb. 26, 1915—SCOTT NO. 2504 N of
Pacific Ave. Dorothy Ames Pond to
Currie & Currie.....Feb. 17, 1915
Feb. 26, 1915—W SEVENTH AVE
155 S California S 75x120. Marietta
Dyar to whom it may concern...
.....Feb. 26, 1915
Feb. 26, 1915—E SIXTEENTH AVE
25 N Balboa N 75xE 77-6. Emil
Nelson to whom it may concern...
.....Feb. 26, 1915
Feb. 26, 1915—EXPOSITION SITE.
H L Judell & Co to Dunnivant-
Houghton-Van Sant....Feb. 17, 1915
Feb. 26, 1915—EXPOSITION SITE.
Iowa Commission to Panama-
Pacific International Exposition
Co to Thos Day Co, Jan. 23; R H
Travers, Jan. 26; Malott & Peter-
son, Feb. 5; and W D Henderson
.....Jan. 22, 1915
Feb. 26, 1915—E FRANKLIN 150 S
Lombard S 25 E 109-9 N 50 W 39
S 25 W 70-5. C Guigni to Liebert &
Martinelli.....Feb. 26, 1915
Feb. 27, 1915—E SANCHEZ 26 N 28th
N 25xE 100. Delia Farrell to whom
it may concern.....Completed —
Mar. 1, 1915—W TAYLOR 100 S Sut-
ter 37-6x137-6. Badge J Wyman
to whom it may concern.....Mar. 1, 1915
Mar. 1, 1915—W Van NESS AVE 56
S Chestnut S 54xW 120. Wert-
heimer and Moor, Lessee, to L A
Secor.....Feb. 27, 1915
Mar. 1, 1915—NW POLK & CALI-
fornia W 56-3 N 87-6 W 25 N 25 E
81-3 S 112-6. The Bradbury Estate
Investment Co and Mary M Brad-
bury to Western Iron Works, Feb.
26; California Tile Constr Co, Feb.
23; J J McLeod.....Feb. 25, 1915
Mar. 1, 1915—LOT 36 BLK 5 Crock-
er Amazon Tract. United States
Bldg, Realty & Investment Co to
whom it may concern.....March 1, 1915
Mar. 1, 1915—W LISBON 75 S Ex-
celsior Ave. Ward C Brown or
Broun to whom it may concern...
.....March 1, 1915
Mar. 1, 1915—EXPOSITION SITE.
W M Willett to Stockholm &
Allyn.....Feb. 19, 1915
Mar. 1, 1915—NW TAYLOR AND
Sacramento N 40xW 91-8. G A
Steffen to Scott Co.....Feb. 15, 1915
Mar. 2, 1915—NW SCOTT & CHEST-
nut W 200 N 140 E 468.75 S 140 W
268.75. Panama-Pacific Interna-
tional Exposition Co to M P Mor-
tensen.....Feb. 25, 1915
Mar. 2, 1915—EXPOSITION SITE.
Panama-Pacific International Ex-
position Co to Neil A McLean...
.....Feb. 25, 1915
Mar. 2, 1915—W HOWTH 75 S
Niagara (Unadilla Ave) S 50xW
90 Blk 12, San Miguel City. Ivar
Carlsen to whom it may concern
.....Feb. 26, 1915
Mar. 2, 1915—NW RICHLAND AVE
and Murray (South Ave) W 25xN
85 m or 1 E 25 m or 1 S 80 m or 1
Ptn Lots 38, 39 and 40 Blk 4, Holly

Park Tract. Thomas McCormick
to whom it may concern.....Mar. 1, 1915
Mar. 2, 1915—N MAYNARD (Mar-
shall) 177 E Craut E 23xN 110 Ptn
Lot 21 Blk 8, College Hd Ass'n.
William Miller to whom it may
concern.....March 1, 1915
Mar. 2, 1915—W RHODE ISLAND
400 S 22nd S 33xW 100. Louis J
Schoenstein to Mager Bros.....
.....March 1, 1915
Mar. 2, 1915—SE PIERCE & BAY
E 600xS 618.75. Panama-Pacific
International Exposition Co to H
W Johns Manville Co.....Feb. 23, 1915
Mar. 3, 1915—SE FILLMORE AND
Moulton S 34-6xE 137-6. Emma
Blucher to Mager Bros.....Mar. 2, 1915
Mar. 3, 1915—E JOICE 109 S Sacra-
mento 28-6x69-6 with L 2x9-6. S C
Harshbarger to William R Bell..
.....March 3, 1915
Mar. 3, 1915—N CABRILLO 32-6 E
10th Ave E 25xN 100. H E Harris,
Jr and Eugene Simon to whom it
may concern.....Feb. 25, 1915
Mar. 3, 1915—SE HUMBOLDT AND
Louisiana. Western Sugar Refining
Co to Dyer Bros Golden West Iron
Works, Inc.....Feb. 1, 1915
Mar. 3, 1915—SE GEARY & TAYLOR
S 137-6xE 87-6. Clift Realty Co by
P J Walker, Agent to Newbery-
Bendheim Elec Co, Feb. 23; L J
Neal, Feb. 23; Ickelheimer Bros
CoFeb. 23, 1915
Mar. 4, 1915—EXPOSITION SITE.
The Exposition Committee of the
National Board of the Young
Women's Christian Ass'n to John
Monk.....Feb. 26, 1915
Mar. 4, 1915—LOT 8 BLK 14 Crocker
Amazon Tract. C D Bevier to whom
whom it may concern.....Feb. 27, 1915
Mar. 4, 1915—E JASPER PLACE
93-1½ N.Green and lot adj on E
Jasper Place 115-4½ N Green.
Felice Toriggino to Antonio Fer-
reccioMar. 3, 1915
Mar. 4, 1915—NE WASHINGTON &
Octavia E 175 N 127-8¼ E 2-6 N
127-8¼ W 177-6 S 255-4½. A B
Spreckels to Sartorius Co.Jan. 16, '15
Mar. 4, 1915—TWENTY-FOURTH
Nos. 4013-4015. Marie Shuett to
whom it may concern.....Mar. 4, 1915
Mar. 4, 1915—W LARKIN 53 S North
Point S 38-6xW 22-11. John H
Brickwedel to E Montgomery.....
.....Feb. 25, 1915
Mar. 4, 1915—NW EDDY & FILL-
more W 137-6xN 137-6. J R Hanify
to Farrell & Reed.....Feb. 26, 1915
Mar. 5, 1915—S TWENTY-FIRST 58-9
E Fair Oaks E 58-9xS 122 M B 75.
Eustace Cullinan to C E Gordon..
.....Mar. 4, 1915
Mar. 5, 1915—NW FILLMORE AND
Chestnut W 100 N 150 E 300 S 150
N 200. Panama-Pacific Interna-
tional Exposition Co to Strehlow,
Freese & Petersen.....Mar. 1, 1915
Mar. 5, 1915—SW BAKER AND LOM-
bard W 50 N 150 E 150 S 150 E 100
Panama-Pacific International Ex-
position Co to Strehlow, Freese &
Petersen.....Mar. 1, 1915
Mar. 5, 1915—NW LAGUNA & BAY W
50 S 150 E 150 N 150 W 100, Ex-
position Site. Panama-Pacific In-
ternational Exposition Co to Streh-
low, Freese & Petersen.....Mar. 1, 1915
Mar. 5, 1915—W POWELL, 91-3 N
Post N 46-1xW 80. J Sockolov to
Pacific Iron Works.....Mar. 3, 1915
Mar. 5, 1915—W POWELL 91-3 N
Post N 46-1xW 80. J Sockolov to



**Structural Steel
Contractors**

**Works at
HARRISON ST.,
bet. 8th & 9th
San Francisco**

Telephone Market 337

Edw. L. Soule Co. Mar. 1, 1915
Mar. 5, 1915—N BROADWAY 68-9 W
Webster W 118-9xN 275. Jas L.
Flood to John G. Sutton Co.
.....Feb. 24, 1915
Mar. 5, 1915—S TWENTY-FIRST 58-9
E Fair Oaks E 58-9xS 122. Eustace
Cullinan to Higginson Co., Inc.
.....March 4, 1915

LIENS FILED

SAN FRANCISCO COUNTY.

Feb. 27, 1915—NW POST & STOCK-
ton N 137-6xW 137-6. Clarke &
Dickson vs Blanche M. Burbank. \$1338
Feb. 27, 1915—N CALIFORNIA 32 W
Larkin W 27-6xN 87. Otto Carson
vs I. R. Kissel \$4810.30
Feb. 27, 1915—SE FILLMORE AND
Chestnut E 87-6xS 62-6. Alpha
Realty & Holding Co., Inc. to
Arthur Elvin Feb. 27, 1915
Feb. 27, 1915—S BROADWAY 100 W
Polk W 23-6xS 137-6. Eva Groat
Markel and Jas B. Markel Jr. to
Matthew Dickson. Feb. 26, 1915
Mar. 1, 1915—W COMMONWEALTH
Ave 485 S Euclid Ave S 40xW 120.
Eureka Sash, Door & Moulding
Mills vs Blanche Wertheimer and
J. P. Fletcher \$692.33
Feb. 27, 1915—S McALLISTER 55 W
Gough W 55xS 137-6. S. I. Volz vs
Reuben Cohen, I. N. Cohen and B.
O. Smith \$28
Mar. 2, 1915—SW HOWARD AND
Rausch. W. R. Bell vs Daniel, Mar-
garet V. and Edward Coleman.
..... \$3939.80
Mar. 2, 1915—EXPOSITION SITE.
Brooks Pollis Elec. Corp. vs Lange
& Bergstrom and Illinois P. P. I. E.
Commission \$586.48
Mar. 2, 1915—LOT 12 BLK 6417
Crocker Amazon Tract Sub 2. The
Greater City Lumber Co. vs Frank
Long and Crocker Estate Co. \$67.90
Mar. 5, 1915—S McALLISTER 55 W
Gough W 55xS 137-6. Macdonald
Lumber Co. vs Ruben Cohen and
B. O. Smith \$291.03

RELEASE OF LIENS

SAN FRANCISCO COUNTY.

Mar. 2, 1915—SW THIRD AVE AND
Clement S 70xW 30. E. E. Gillon to
J. I. Mitrovich Bldg. Co. and Frank
De Cortoni
Mar. 3, 1915—SW CLEMENT AND
Third Ave S 70xW 30. Joseph L.
Herger, Dean Reversible Window
Co., M. A. Finnilla, Acme Lumber
Co., Pacific Hardware & Steel Co.,
C. Carnevali Marble & Mosaic Co.,
John Delucchi, California Door Co.
to E. De Cortoni and J. I. Mitrovich
Bldg. Company
Mar. 3, 1915—SW CLEMENT AND
Third Ave S 70xW 30. S. Ginsberg &

Co. to Frank De Cortoni and J. I.
Mitrovich Bldg. Co.
Mar. 5, 1915—W COMMONWEALTH
Ave 485 S Euclid Ave S 40xW 120.
Eureka Sash, Door & Moulding
Mills, Inc. to J. P. Fletcher and
Blanche Wertheimer
Mar. 5, 1915—LOTS 34 AND 35 BLK
"B" Ashbury Park Tract. Acme
Lumber Co.; Holmes Planing Mill
Co. to L. L. Allen and Blanche Pree-
man

OAKLAND AND ALAMEDA COUNTY.

CANOE HOUSE AND WATER
TOWER—I story, frame and rein-
forced concrete. Oakland, Cal. Ar-
chitect, Walter D. Reed, Oakland Bank
of Savings, Oakland. Owners, City of
Oakland. Bids opened by the Oak-
land Park Trustees for the construc-
tion of a one-story reinforced concrete
canoe house and for a frame water
tower show George A. Bos, Hearst
Bldg., S. F., low for the canoe house
at \$11,398 with lockers and \$11,323
without lockers. Schnebly, Hostrow-
er & Pedgrift, Oakland, submitted the
lowest figure for the water tower at
\$2,115. Contracts will be awarded
Wednesday for this work. A complete
list of the bids appears under the
heading of Oakland and Alameda
County in this issue.

BANK—1 story and base, steel and
granite, \$23,000. Oakland, Cal. Ar-
chitect, Walter Reed, Oakland Bank
of Savings Bldg., Oakland. Owners,
Oakland Bank of Savings. This bank
will be erected as a branch on the
north side of Seventh street between
Union and Adeline streets. Interior
will be finished in pine, hardwoods,
ornamental plaster and marble. Some
ornamental iron and bronze will be
used. There will be a tile floor. Plans
provide for special bank fixtures, safe
deposit vaults and coin vaults. There
will be steam heat and a vacuum
cleaning system. Metal window frames
and sash are specified. Exterior of the
building will be faced with cut gran-
ite. Plans are now being prepared.

BANK ALTERATIONS—Class A con-
struction, \$10,000. Oakland, Cal. Ar-
chitect, Benj. G. McDougall, Sheldon
Bldg., S. F. Owners, Central Savings
Bank. The ground floor of the build-
ing at the northeast corner of 14th
and Broadway will undergo alteration.
The plans include some steel work,
plastering, ornamental iron and
bronze, painting, electric work and in-
terior finish. Plans are complete and
figures will be called for at once.

DETENTION HOME—2 story and
base, reinforced concrete, \$75,000. Oak-
land, Cal. Architect, Henry H. Mey-
ers, Kohl Bldg., S. F. Owners, Alame-
da County. Plans are being pre-
pared for a large two story and base-

ment detention home. The main por-
tion of the building will have a front-
age of 150 feet. Besides this there
will be two wings each 100 feet in depth.
The main floor will contain offices, a
juvenile court room, kitchen, dining
room, class rooms and play rooms.
Upper floor will be arranged for dor-
mitories and single rooms. Interior
finish will be of pine with tile floors.
Plans provide for steam heat, a hot
water system and vacuum cleaning.
The exterior treatment has not been
fully decided upon but will probably
be of cement plaster with clay tile
roof. Plans will be completed and
ready for figures in about thirty days.

FLATS—2 story and base, frame,
\$7,500. Berkeley, Alameda Co., Cal.
Architect, none. Owner, E. L. Mals-
bary, 2201 Channing Way, Berkeley.
The building will be erected on Fulton
street south of Channing Way, and has
been designed to contain 16 rooms.
Interior finish will be of pine, red-
wood and elm. Hardwood floors will
be used in the principal rooms. There
will be a central heating system and
hot water supply. Bath rooms will
have tile floors and wainscot. Large
open fire places will be a feature of
each of the living rooms. Mantels will
be of tile. Entrance will have mar-
ble wainscot. Exterior of the build-
ing will be covered with shiplap and
rustic. Plans are complete and in the
hands of the owner who will do the
work by Day Labor.

FLAT—2 story and base, frame.
Cost not stated. Berkeley, Alameda
Co., Cal. Architect, John Hudson
Thomas, First National Bank Bldg.,
Berkeley. Owner, Walter L. Thomas.
The building will be erected at the
corner of Snyder and Ninth streets,
and has been designed for a store on
the first floor and a flat above. Inter-
ior will be finished in pine and red-
wood. There will be an open fire place
and tile or brick mantel. Hardwood
floors will be used in the living and
dining rooms. Exterior of the build-
ing will be covered with cement plas-
ter on metal lath. Plans are complete
and figures are being taken.

LODGE HALL—2 story and base,
frame, \$20,000. Oakland, Cal. Archi-
tect, Frederick Soderberg, Union Bank
of Savings, Oakland. Owners, Oakland
Swedish Hall Association. The building
will be erected at the corner of 23rd
and Telegraph, and has been designed
for stores on the first floor. Upper
floor will contain lodge rooms, ladies'
parlor, meeting rooms and offices. In-
terior will be finished in pine and red-
wood. A maple floor will be used in
the lodge rooms. There will be steam
heat. Exterior of the building will be
covered with cement plaster on metal
lath. Plans are now being prepared.

HOTEL ADDITION—1 story, frame,
\$5,000. Oakland, Cal. Architect, none.
Owner, B. Lichtig, 580 6th street, Oak-
land. The present one-story store will
be added to, the new portion being de-
signed to contain thirty guest rooms
and several baths. Interior will be
finished in pine and redwood. There
will be a hot water system. Bath
rooms will be finished in imitation
tile. Exterior will be covered with
cement plaster on metal lath. Plans
are complete and in the hands of the
owner who will do the work by Day
Labor.

RESIDENCE — 2 story and base, frame, \$6,000. Oakland, Cal. Architect, F. D. Voorhees, Central Bank Bldg., Oakland. Owner's name withheld. The dwelling will be erected at the southwest corner of Ridgeway and Terrace street, and has been designed to contain eight rooms, two baths and sleeping porch. Interior finish will be of pine and hardwood with some white enamel. Hardwood floors will be used in the living rooms, dining room and reception hall. Plans provide for furnace heat and open fire places. A hot water circulating system will be installed. Bath rooms will be finished in tile and equipped with showers. A separate garage will be erected on the property. Exterior of the house will be covered with cement plaster on metal lath. Plans are now being prepared.

RESIDENCE — 2 story and base, frame. Cost not stated. Piedmont, Alameda Co., Cal. Architect, Albert Farr, Foxcroft Bldg., S. F. Owner, Mr. McHenry. The dwelling has been designed to contain ten rooms, three baths and sleeping porches. Interior will be finished in pine and hardwood with white enamel in the living and dining rooms and reception hall. There will be steam heat and a hot water circulating system. Bath rooms will be finished in tile. There will be vacuum cleaning. Several large open fire places will be installed. Mantels will be of brick and stone. Exterior of the dwelling will be covered with cement plaster on metal lath. A clay tile roof is specified. Plans are complete and figures are being taken.

SCHOOL — 1 story and base, frame and plaster, \$28,000. Berkeley, Alameda Co., Cal. Architect, James W. Plachek, Acheson Bldg., Berkeley. Owners, City of Berkeley. The building will be erected on Claremont avenue near Ashby, and has been designed to contain five class rooms and an auditorium. Interior will be finished in pine. Maple floors will be used in the class rooms. There will be a central system of heating. Plans have been turned over to the Board of Education and figures will be called for this week.

SCHOOL — 2 story and base, frame and plaster, \$35,000. Oakland, Cal. Architect, John J. Donovan, Security Bank Bldg., Oakland. Owners, City of Oakland. The building will be known as the Tompkins school and will be erected on Fifth street between Linden and Chestnut streets. There will be eight class rooms and an assembly hall. Interior will be finished in pine with maple floors in the class rooms. Plans provide for steam heat, an oil burning system and modern school plumbing. Exterior of the building will be covered with cement plaster on metal lath. Plans are complete and bids are being taken. Figures will be opened on March 23rd. Plans and specifications can be secured from the architect. An official proposal appears in another column of this issue.

RESIDENCE — 1 story and base, frame, \$4,000. Berkeley, Alameda Co., Cal. Architect, James W. Plachek, Acheson Bldg., Berkeley. Owners, J. Rogers. The dwelling has been designed for a six-room house with bath and sleeping porch and will be erected on South San Mateo avenue in Northbrae. Interior will be finished in

pine and hardwood. Hardwood floors will be used in the living and dining rooms and reception hall. There will be furnace heat and open fire places. Mantels will be of tile or brick. Tile wainscot will be used in the bath room. An automatic water heater will be installed. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are complete and figures are being taken.

RESIDENCE — 2 story and base, frame, \$3,500. Berkeley, Alameda Co., Cal. Architect, James W. Plachek, Acheson Bldg., Berkeley. Owner, Frank Nash. The dwelling has been designed for a five-room house with bath and will be erected on Woolsey street. Interior finish will be of pine and redwood. Hardwood floors will be used in the living and dining rooms and reception hall. There will be a large open fire place and tile or brick mantel. An automatic water heater will be installed. Bath room will have tile wainscot. Exterior of the dwelling will be covered with cement plaster. Plans are complete and in the hands of the owner who will do the work by Day Labor.

RESIDENCE — 2 story and base, frame, \$6,000. Oakland, Cal. Architect, Clyde B. Barton, Trust Bldg., Oakland. Owner, J. McClellan. The dwelling will be erected in the Crocker Highlands and has been designed to contain seven rooms, two baths and sleeping porch. Interior will be finished in pine and hardwoods. Hardwood floors will be used. There will be furnace heat and open fire places. Mantels will be of tile or brick. An automatic water heater will be installed. Bath rooms will be finished in tile. Exterior of the building will be covered with cement plaster on metal lath. Plans are complete and figures are being taken.

Contracts Awarded.

RESIDENCE — 2 story and base, frame, \$6,000. Berkeley, Alameda Co., Cal. Architects, Bryant & Stringham. Owner, Vernon M. Alvord. Contractor, H. F. Wrampelmeier, 2324 Piedmont avenue, Berkeley. Contract has been taken on the percentage basis.

Canoe House For Oakland Park.

Park Trustees Receive Bids For Canoe House and Water Tower. Contracts to be Let Next Week.

Bids were opened by the Oakland Park Trustees at their meeting last Wednesday for construction of a one-story reinforced concrete canoe house and for a concrete and frame water tower. Plans for both of these buildings were drawn by Architect Walter D. Reed of Oakland. George A. Bos of San Francisco submitted the lowest bid for the canoe house at \$11,398 with lockers and \$11,323 without lockers. Schnebly, Hostrawser & Pedgrift submitted the lowest bid for the water tower at \$2,115. All bids have been referred to the architect and City Attorney. Awards will be made at the next Wednesday meeting. Following is a complete list of the bids received. Bids for the canoe house were submitted as follows: Prop. A with lock-

ers and Prop. B without lockers.

Canoe House.

A. Spence (a) \$15,300; (b) \$15,000.
Lester H. Stock (a) \$13,417; (b) \$12,-
518.
Schnebly, Hostrawser & Pedgrift,
(a) —; (b) \$13,676.
Bluxome & Co. (a) \$13,740; (b) \$13,-
225.
R. Glaze (a) \$12,500; (b) \$12,112.
George A. Bos (a) \$11,398; (b) \$11,323
Nelson & Barr (a) \$13,340; (b) \$12,-
740.
Monson Bros. & Monson (a) \$12,582;
(b) \$12,137.

Water Pavillon.

A. T. Spence.....\$2,323
Schnebly, Hostrawser & Pedgrift 2,115
Bluxome & Co..... 2,198
H. S. Sorenson..... 2,145
R. Glaze 2,230
George A. Bos..... 2,650
Nelson & Barr..... 2,400
Monson Bros. & Monson..... 2,289

Building Contracts Awarded.

Oakland.

No.	Owner.	Contractor	Amt.
309	Barrusch	Smith	400
311	Key Route	Leiter	400
312	Okd Bd Ed	Owner	3400
316	Streichan	Sommarmstrom	15000
317	Texdahl	Texdahl	2500
318	Boyd	Boyd	2000
320	Hogue	Taylor	2000
321	Strang	Strang	1600
322	Fedt	Fedt	5000
323	Lekas	Bay City Cabinet	400
324	Bacon	Soule	400
325	Mocino	Engler	3900
326	Gabrielli	Morgan	1100
327	Jonas	Barton	1600
328	Henderson	Woodard	2000
329	Lacazette	Cross	1255
330	Pacific G & E.....	Owner	5000
331	Same	Same	5000
333	Howkins	Howkins	2500
334	Gillespie	Saxton	3750
335	Hornor	Olson	2200
336	Lichtig	Lichtig	4500
337	Dimpfel	Geary	2500
338	Matheny	Matheny	1500
339	Arena	Davina	4160
340	Dunn	Bullock	6000
341	Tisch	Courtright	500
342	Cal. Cotton	Owner	400
343	Ornstein	Self	500
346	Pacific G & E.....	Asb Prot	4598
348	McChesney	Owner	2500
351	Cook	Cook	475
352	Werum	Brown	2000
353	Graham	Scott	500
354	Burrows	Schnebly	10000
355	Mulford	Jessiman	4160

ALTERATIONS

(309) NO. 75 THIRTY-THIRD, Oak-
land. Alterations.
Owner.....Mr. Barrusch, Premises.
Architect...None.
Contractor...H. C. Smith, 2011 Frank-
lin, Berkeley.
COST, \$400

ALTERATIONS

(311) FORTIETH & PIEDMONT AVE
Oakland. Alterations.
Owner.....San Francisco, Oakland
Terminal Railway, 22nd &
Grove, Oakland.
Architect...None.
Contractor...E. T. Leiter & Sons, 3001
West, Oakland.
COST, \$400

BRICK SHOP

(312) N E-FOURTEENTH 100 E 10th
Ave., Oakland. Two-story brick
shop.
Owner.....Oakland Board of Educa-
tion, City Hall, Oakland.
Architect...None.
Day's work.
COST, \$3400

ERICK GARAGE

(316) S E-TWELFTH 150 E First Ave., Oakland. One-story brick garage.

Owner.....Amelia F. T. Streichan & Edw Sommarstrom, 202 E-12th, Oakland.

Architect...None.

Contractor...Sommarstrom Bros., 202 E-12th, Oakland.

COST, \$15,000

DWELLING

(317) S SIXTY-FIFTH 130 W Shattuck Ave., Oakland. One-story 6-room dwelling.

Owner.....C. Texdahl, 3035 Harper, Berkeley.

Architect...None.

Day's work. COST, \$2000

DWELLING

(318) E DESMOND 704 1/2 N Coronado Ave., Oakland. One-story six-room dwelling.

Owner.....P. O. Boyd, Key Route Inn, Oakland.

Architect...None.

Day's work. COST, \$2500

STORES

(320) SE OAKLAND & SANTA CLARA Aves., Oakland. One-story 3-room stores.

Owner.....C. L. Hogue, 155 Santa Clara Ave., Oakland.

Architect...None.

Contractor...G. Taylor, 423 Walsworth Ave., Oakland.

COST, \$2000

DWELLING

(321) W ELSTON AVE 50 S E-38th, Oakland. One-story 5-room dwlg.

Owner.....V. N. Strang, 1521 9th, Alameda.

Architect...None.

Day's work. COST, \$1600

DWELLING

(322) W SANTA RAY AVE 600 S Rosal Ave., Oakland. Two-story 8-room dwelling.

Owner.....Fedt Bros., 528 25th, Okd.

Architect...None.

Day's work. COST, \$5000

ALTERATIONS

(323) NO. 1115 BROADWAY, Oakland. Alterations.

Owner.....J. Lekas, Premises.

Architect...None.

Contractor...Bay City Cabinet Co., 1080 5th, Oakland.

COST, \$400

ALTERATIONS

(324) NO. 1120 WASHINGTON, Oakland. Alterations.

Owner.....Bacon & Soule, Bacon Bldg Oakland.

Architect...None.

Day's work. COST, \$400

DWELLING

(325) N HARWOOD 130 E Cherry, Oakland. One-story 6-room dwlg.

Owner.....H. F. Mocino, Berkeley.

Architect...None.

Contractor...Louis Engler, 2721 Haste, Berkeley.

COST, \$3900

DWELLING

(326) E FIFTY-THIRD AVE 100 S E-10th, Oakland. One-story 4-room dwelling.

Owner.....Placido Gabrielli, 930 53d Ave., Oakland.

Architect...None.

Contractor...W. A. Morgan, 2915 Octavia, Oakland.

COST, \$1100

ALTERATIONS

(327) NW ELEVENTH AND BROADWAY, Oakland. Alterations.

Owner.....A. Jonas, Hotel Oakland.

Architect...A. W. Smith, 1010 Broadway, Oakland.

Contractor...R. M. Barton, 478 7th, Okd

COST, \$1600

DWELLING

(328) N EVERETT 175 W Edgewood, Oakland. One-story 7-room dwlg.

Owner.....G. W. Henderson, Oakland

Architect...None.

Contractor...E. W. Woodard, 403 1/2 Brighton Ave., Oakland.

COST, \$2000

STORE

(329) E FRUITVALE AVE 32 S E-27th, Oakland. One-story store.

Owner.....Eugene Lacazette, 3022 Broadway, Oakland.

Architect...None.

Contractor...Birmingham & Cross, Berkeley.

COST, \$1255

BOILER HOUSE

(330) SE FIRST & MARKET, Oakland. One-story steel boiler house.

Owner.....Pacific Gas & Electric Co., 13th and Clay, Oakland.

Architect...None.

Day's work. COST, \$5000

GENERATOR HOUSE

(331) SE FIRST AND MARKET, Oakland. One-story steel generator house.

Owner.....Pacific Gas & Electric Co., 13th and Clay, Oakland.

Architect...None.

Day's work. COST, \$5000

DWELLING

(333) S FOOTHILL BLVD 290 E 54th Ave., Oakland. Two-story six-room dwelling.

Owner.....B. A. Howkins, 4424 Pampas Ave., Oakland.

Architect...None.

Day's work. COST, \$2500

DWELLING

(334) N SANTA RAY AVE 50.70 E Paloma, Oakland. Two-story 7-room dwelling.

Owner.....Sara M. Gillespie, 4211 Terrace, Oakland.

Architect...None.

Contractor...Erle Saxton, 4225 Terrace Oakland.

COST, \$3750

DWELLING

(335) S SHEFFIELD 308 S Hopkins, Oakland. One-story 5-room dwlg.

Owner.....Howard B. Horner, 610 Thomson Bldg., Oakland.

Architect...None.

Contractor...Arvid E. Olson, 721 10th, Oakland.

COST, \$2200

ADDITION

(336) N SIXTH; No. 530 Sixth, Oakland. Two-story 30-room addition rooming house to be built over stores

Owner.....E. Lichtig, 580 6th, Okd.

Architect...None.

Day's work. COST, \$1500

DWELLING

(337) S FORREST AVE 468 W College Ave., Oakland. Two-story 8-room dwelling.

Owner.....Geo. P. Dimpfel, 575 55th, Oakland.

Architect...None.

Contractor...L. G. Geary, 679 60th, Okd.

COST, \$2500

DWELLING

(338) E FORTY-FIRST AVE 520 E Santa Rita, Oakland. One-story 4-room dwelling.

Owner.....C. B. Matheny, 207 41st Ave., Oakland.

Architect...None.

Day's work. COST, \$1500

FRAME STORES AND FLATS

(339) N E-FOURTEENTH, bet. 38th and 39th Aves; 30 feet front, Oakland. All work for two-story frame stores and flats.

Owner.....Frank Arena, 588 12th, Oakland.

Architect...None.

Contractor...S. J. Davina and D. McKay, 907 40th Ave., Okd.

Filed Mar. 2, '15. Dated Mar. 2, '15.

Foundation completed and material on ground.....\$1075

Ready for plaster.....1075

Completed.....1075

(A) Lot 8 Blk B Ruse Park Tct 400

Owner pays \$535 from contract

price for plumbing, tinning and

patent chimneys.....

TOTAL COST, \$4160

Bond, none. Limit, 90 days. Forfeit,

none. Specifications only filed.

APARTMENTS

(340) FORTY-FIRST — E Telegraph Ave., being Lot 31 Blk "Q" Central Park Tract, Oakland. All work for two story (4) apartments.

Owner.....Frank Dunn, 202 Wayne, Apartments, Oakland.

Architect...None.

Contractor...O. M. Bullock, Stanford Ave. & Hollis, Oakland.

Filed Mar. 3, '15. Dated Feb. 19, '15.

Frame up and roof on..... 1/4

Plastered..... 1/4

Completed..... 1/4

Usual 35 days..... 1/4

TOTAL COST, \$6000

Bond, \$3000. Sureties, J. E. Maxwell and F. W. Gillette. Limit, 90 days.

Forfeit, none. Plans and specifications filed.

ALTERATIONS

(341) NO. 540 TWENTY-EIGHTH, Oakland. Alterations.

Owner.....John Tisch, 2821 Telegraph Ave., Oakland.

Architect...None.

Contractor...T. D. Courtright, 5720 Keith Ave., Oakland.

COST, \$500

ALTERATIONS

(342) COTTON & RAILROAD AVE., Oakland. Alterations.

Owner.....California Cotton Mills, Premises.

Architect...None.

Day's work. COST, \$400

ALTERATIONS

(343) NOS. 1011-13 LINDEN, Oakland. Alterations.

Owner.....A. Ornstein, Premises.

Architect...None.

Contractor...L. B. Self, 356 24th, Okd.

COST, \$500

BOILER HOUSE ETC.

(346) W CASTRO, if extended S 80 S First W 456.03xS 300, Oakland. 24 gauge corrugated asbestos protected metal for roof and sidings of extension to boiler house and generator building at Station "B."

Owner.....Pacific Gas & Electric Co., 13th and Clay, Oakland.

Architect...None.

Contractor...Asbestos Protected Metal Company.

Filed Mar. 4, '15. Dated Feb. 22, '15.

Completed 75%
Usual 35 days..... 25%
TOTAL COST, boiler house, \$1835.56; generator, \$2713.36.

Bond, \$2300. Surety, American Surety Co. Limit, 60 days. Forfeit, none. Plans and specifications filed.

FLATS

(348) N HAMPEL 55 E Greenwood, Oakland. Two-story 8-room flats.

Owner.....W. E. McChesney, 2605 Etna, Berkeley.

Architect...None.

Day's work. COST, \$2500

DWELLING

(350) S HOPKINS 90 E Stuart, Oakland. One-story 5-room dwelling.

Owner.....Willey Hunnewell, 1345 Hopkins, Oakland.

Architect...None.

Day's work. COST, \$1800

DWELLING

(351) W EASTMAN AVE 270 S Suter, Oakland. One-story 3-room dwlg.

Owner.....Jas. E. Cook, 74 6th, S. F.

Architect...None.

Day's work. COST, \$475

DWELLING

(352) W THIRTY-FIFTH AVE 40 N Eden Lane, Oakland. One-story 5-room dwelling.

Owner.....A. F. Werum, 3498 Boulevard, Oakland.

Architect...None.

Contractor...W. C. Brown, 1624 64th Ave., Oakland.

COST, \$2000

GARAGE

(353) NO. 6417 HILLEGASS AVE., Oakland. Garage.

Owner.....Sarah Graham, Premises.

Architect...None.

Contractor...G. A. Scott, 685 23rd, Okd.

COST, \$500

GARAGE

(354) E BROADWAY 122 N Orchard, Oakland. One-story brick garage.

Owner.....M. A. H. Burrows, 387 35th Oakland.

Architect...F. D. Voorhees, Central Bank Bldg., Oakland.

Contractor...Schneibly, Hostrowser & Pedgrift, 6th and Jackson, Oakland.

COST, \$10,000

Building Contracts Awarded.

Berkeley.

No.	Owner	Contractor	Amt.
310	Wagner	Wagner	400
313	Malsbury	Owner	400
314	Shuey	Long	500
315	Ruby	Pinkerton	400
332	Malsbury	Malsbury	7500
344	Jensen	Strange	2125
345	Cellier	Pfrang	4500
347	Madruza	Madruza	500
349	Eitel	Buskirk	6400
350	Hunnewell	Owner	1800

DWELLING

(310) W EIGHTH 55 S Virginia, Berkeley. One-story 3-room dwelling.

Owner.....Wagner, 1014 8th, Bkly

Architect...None.

Day's work. COST, \$400

ALTERATIONS

(313) NO. 2201 CHANNING WAY, Berkeley. Alterations.

Owner.....E. L. Malsbury, Premises.

Architect...None.

Day's work. COST, \$400

STABLE AND SHED

(314) E TELEGRAPH AVE 100 S Stuart, Berkeley. Stable and shed.

Owner.....Shuey Creamery, 3401 Stuart, Berkeley.

Architect...None.

Contractor...H. Long, 2927 Florence, Berkeley.

COST, \$500

ADDITION

(315) NO. 1046 MARIPOSA, Berkeley Additions and alterations.

Owner.....R. L. Ruby, Premises.

Architect...None.

Contractor...J. A. Pinkerton, 1931 Berryman, Berkeley.

COST, \$400

FLATS

(332) E FULTON 50 N Channing Way, Berkeley. Two-story 16-room flats.

Owner.....E. L. Malsbury, 2201 Channing Way, Berkeley.

Architect...None.

Day's work. COST, \$7500

DWELLING

(344) E CARLOTTA 150 S Posen Ave., Berkeley. One-story 5-room dwlg.

Owner.....S. Jensen, 1615 Posen Ave., Berkeley.

Architect...None.

Contractor...D. A. Stanage, 896 55th and O. M. Houghton, 894 55th, Oakland.

COST, \$2125

DWELLING

(345) N POSEN 100 E Monterey, Berkeley. Two-story 9-room dwelling.

Owner.....M. A. Cellier, 1935 Yolo Ave., Berkeley.

Architect...None.

Contractor...C. J. Pfrang, 5487 Claremont Ave., Oakland.

COST, \$4500

DWELLING

(347) W SEVENTH 194 S Addison, Berkeley. One-story 3-room dwlg.

Owner.....Manuel F. Madruza, 2116 Seventh, Berkeley.

Architect...None.

Day's work. COST, \$500

DWELLING

(349) NE UPLANDS AND ENCINA Place, Berkeley. Two-story 8-room dwelling.

Owner.....E. E. Eitel, 2509 Woolsey, Berkeley.

Architect...N. W. Shaw, 3073 Bateman, Berkeley.

Contractor...J. W. Buskirk, 2535 Meadow, Oakland.

COST, \$6400

FRAME DWELLING

(355) LOT 15 BLK 4 Martin Kellogg Property, Berkeley. All work for two-story frame dwelling.

Owner.....Vera W. and Walter Mulford, Berkeley.

Architect...None.

Contractor...John W. Jessiman, 339 Bartlett, San Francisco.

Filed Mar. 5, '15. Dated Feb. 6, '15.

Frame up and boarded in..... ¼

Interior plaster completed..... ¼

Completed and accepted..... ¼

Usual 35 days..... ¼

TOTAL COST, \$4160

Bond, none. Limit, 125 days. Forfeit, none. Plans and specifications filed.

Alameda.

319 JohnsonJohnson 1800

DWELLING

(319) NO. 1502 BROADWAY, Alameda. One-story five-room dwelling

Owner.....Louis Johnson, 223 Greenbank Ave., Piedmont.

Architect...None.

Day's work. COST, \$1800

COMPLETION NOTICES.

ALAMEDA COUNTY

Feb. 19, 1915—PTN LOT 28 BLK 6, lying e in parallel Lot 28 dist r a

10 W; Ptn Lot 29 Blk 6 lying E line parallel Lot 29 dist r a 10 W, Okd.

Alfred J Hopper to whom it may concern.....Feb. 16, 1915

Feb. 19, 1915—CENTER 100 E Shattuck Ave, Bkly. A A Fink by

James W Plachek to Jones & McGovern.....Feb. 15, 1915

Feb. 19, 1915—NW COR TWENTY-eighth and Webster 100x150, Okd.

First Hebrew Congregation to Giovenone & Wicks, Joseph Wicks

and H Burchell.....Feb. 13, 1915

Feb. 23, 1915—E PERALTA AVE 90 N Marin Ave, Albany. J S Killam

to whom it may concern..Feb. 19, '15

Feb. 25, 1915—NE KENWYN ROAD and Beacon, Okd. D W Kirkland

to R Glaze.....Feb. 16, 1915

Feb. 25, 1915—SECTION "H," Holy Sepulchre Cemetery on Niles Road

H J and Jeanne Marie Calou to H U Realini.....Feb. 24, 1915

Feb. 26, 1915—W MCGEE 100 N Delaware, Bkly. Peter Rasmussen

by C Johnson to C Johnson.....Feb. 25, 1915

Feb. 27, 1915—LOT 28 BLK 15 Map Northbrae, Bkly. Wm C Mason to

whom it may concern..Feb. 27, 1915

Feb. 27, 1915—S FORTY-SECOND 75 E Lusk E 39x88, Okd. E L Higgins

to Higgins & Sons....Feb. 25, 1915

Mar. 1, 1915—NE HOPKINS 77.50 SE Kingsley SE 35xNE 100, Okd. Joe

T Collins to Collins Bros.Feb. 28, '15

Mar. 2, 1915—W BENVENUE AVE 50 N Stuart, Bkly. Adella E Mc-

Bride to John A Bischoff.Feb. 20, '15

Mar. 4, 1915—LOTS 40 AND 41 Piedmont Villa Tract Laurel Ave.,

Okd. Matt Hoikkala to Hugh G Patrick.....Mar. 4, 1914

LIENS FILED.

ALAMEDA COUNTY.

Feb. 17, 1915—LOT 12 BLK 14 Map Town of Livermore, Livermore.

Horton & Kennedy, \$32.80; H W Morrill and H Walters (Morrill &

Walter), \$259; Livermore Hardware Co, \$360.25; Eric Petersen,

\$249.07; P Flanagan, \$57.10 vs Court Livermore No. 77, Foresters

of America of Grand Lodge of California, Archer M Bowles, F A Lassen, M S Worden and John J Callaghan, Trustees said Court of Livermore and C H Rasmussen...
 Feb. 19, 1915—NW BARTLETT AND Deering N 200xW 125, Okd. Wm P Goss vs Oakland Homes Corporation, George Peck, and Arthur W Draper (Peck & Draper) and John and Richard Doe.\$225
 Feb. 19, 1915—SE HILLSDALE AVE 372.29 SW Foothill Road SW 80 SE 153.116 NE 80.08 NW 156.648, Okd. Swift & Wilcox vs Delia T O'Donnell; Torrence S Peterson and D S Childers\$83
 Feb. 27, 1915—LOT 12 BLK 14 Map Town of Livermore, Livermore. P H Jackson & Co vs Court Livermore; No. 77, Foresters of America of Grand Lodge of California, Archer M Bowles, F A Lassen, M S Worden, John J Callaghan, Trustees said Court and C H Rasmussen\$49
 Mar. 1, 1915—LOT 14 BLK 82 Map Alameda, Alameda. Crane Co vs Domenico Zunico and F Vignolo\$33.80
 Mar. 3, 1915—NE ¼ SEC 10 and W ½ of NW ¼ of Sec 11 Tp 2 S Range 1 W M D B & M, Murray Tp. John R Hodge and E S Collins (Hodge & Collins Lumber Co) vs The Coast Packing Co, H A C Kauffman and Joseph Fernandez\$476.47
 Mar. 5, 1915—LOT 129 Map Crocker Highland, except ptn lying NE line parallel to NE boundary line Lot 129 and distant L 5 SW therefrom; ptn Lot 130 lying NE line drawn from E Cor. Lot 130 to pt SE S Mandana Blvd dist 13 SW from N Cor. Lot 130, Okd. Maxwell Hardware Co vs Henry E Jackson and Oscar Sairanen\$107.81
 Mar. 5, 1915—LOTS 5 AND 6 BLK 54 S Add'n to Town of Livermore, Livermore. Anspacher Bros vs E Hendricksen and C H Rasmussen\$48.95

RELEASE OF LIENS

ALAMEDA COUNTY.

Feb. 25, 1915—NE E-FOURTEENTH 83.4 SE 2nd Ave SE 33.4xNE 120, Okd. J A Larson to Angelica Ralston\$210
 Feb. 23, 1915—LOTS 5 AND 6 BLK 37 Map Town of Livermore, Livermore. Pacific Mfg Co to J C McKown\$289.75
 Feb. 19, 1915—LOT 63 and N 10 Lot 64 Map Northside Park, Bkly. S Jorgensen to Honora and C A Doyle\$24
 Feb. 17, 1915—SE TELEGRAPH AND Durant Aves 90x100, Bkly. Pacific Mfg Co to Reinhart Lumber & Planing Mill Co et al\$1518.25
 Mar. 3, 1915—LOT 21 BLK 13 Melrose Heights Tract, Okd. C F Lodge and A Mikkelsen to T S Petersen et al\$200

SAN JOSE AND THE SANTA CLARA VALLEY.

HIGHWAY CONSTRUCTION — Cost not stated. Redwood City, San Mateo Co., Cal. Engineer, County Surveyor, Redwood City. Owners, San Mateo County. Plans for the construction of another unit of the county highway

system are complete and out for figures. Bids will be opened on March 15th. Following is the route of the new unit: 1.46 miles of highway located in the Fifth road district of San Mateo County, beginning at a point in the present county road from Redwood City to San Gregorio, and extending in a southwesterly direction to a point in the present county road, route 6, division 3, section 2 of San Mateo County highways.

MACADAMIZING ROADS—Cost not stated. Redwood City, San Mateo Co., Cal. Engineer, County Surveyor, Redwood City. Owners, San Mateo County. Separate bids will be received for macadamizing the four following stretches of county roads: 4.813 miles in Fourth and Fifth road districts; .918 mile in First and Fourth road districts; 2.811 miles in Second road district, and 5.402 miles in the First road district. Bids will be opened for this work on March 15th. Plans and specifications can be secured from the County Engineer.

SPRINKLING SYSTEM — Cost not stated. San Jose, Santa Clara Co., Cal. Engineer, City Engineer, San Jose. Owners, City of San Jose. The City Clerk has been instructed by the City Council to advertise for bids for a sprinkling system in North First street park, according to plans and specifications prepared by the City Engineer.

ELECTRIC TOWER—Steel construction. Cost not stated. San Jose, Santa Clara Co., Cal. Engineer, City Engineer, San Jose. Owners, City of San Jose. The City Council has directed the City Clerk to advertise for bids for the construction of the Market street electric tower, with the understanding that the bidders furnish their own plans and specifications.

STREET PAVING—Cost not stated. San Jose, Santa Clara Co., Cal. Engineer, City Engineer, San Jose. Owners, City of San Jose. At the last meeting of the City Council the City Engineer was instructed to prepare plans and specifications for the paving of Seventeenth street from Santa Clara to the city limits at Rosa street, also East San Fernando street from Fourth to Tenth, with the exception of portions fronting on state property.

SEWER AND STREET WORK—Cost not stated. Santa Cruz, Santa Cruz Co., Cal. Engineer, City Engineer, Santa Cruz. Owners, City of Santa Cruz. At the last meeting of the City Council, a resolution inviting sealed proposals for a sewer on Plateau, Alamar and Knower avenues was adopted. A resolution for paving streets on the ten-year system was passed. It is for the full width of the street on Ocean, from Water to Plymouth street, and on Plymouth to the city limits. The plans include sewer and walks from Grant street to the city limits.

REINFORCED CONCRETE RETAINING WALL—Cost not stated. Redwood City, San Mateo Co., Cal. Engineer, County Surveyor, Redwood City. Owners, San Mateo County. Plans presented to the Supervisors by the County Surveyor for a reinforced concrete retaining wall on the Woodside grade have been adopted.

HIGHWAY CONSTRUCTION — Cost not stated. Redwood City, San Ma-

teo Co., Cal. Engineer, County Surveyor, Redwood City. Owners, San Mateo County. Bids opened by the Supervisors for the construction of a road from Hillsborough to the Crystal Springs Lake have been rejected. The following is a list of the bids: Spring Construction Co., \$34,825.20; Howard-Ellison Co., \$34,114.46; Peterson & Grier, \$35,437.60; Chas. J. Lindgren, \$34,992.38; Wrightson, Anderson & Yost, \$40,259.88; Sunset Construction Co., \$30,416.65. The County Surveyor was ordered to prepare plans and specifications for removing some of the sharp turns in the road. No statement has been made as to the calling of new bids.

BUILDING CONTRACTS

SANTA CLARA COUNTY.

ALTERATIONS

NINTH AND ST. JAMES STS., being Lot 57 of Marckies Sub Lot 8 Blk 4 Range 9, North San Jose. All work for alterations for two-story house. Owner.....T. H. Bricket, Premises. Architect...F. G. Aitken, Theatre Bldg., San Jose. Contractor...E. L. Slaght, San Jose. Filed Feb. 17, '15. Dated Feb. 17, '15.
 Old work removed..... 25%
 1st coat plaster on..... 25%
 All completed 25%
 Usual 35 days..... 25%

TOTAL COST, \$2147

Bond, \$1075. Sureties, Chas. and Geo. Kelly. Limit, 60 days. Forfeit, none. Plans and specifications filed.

REMODELING

EIGHTH & JACKSON STS., San Jose. Remodeling and erect boiler room. Owner.....Central California Creameries, Premises. Architect...None. Contractor...F. L. Hoyt, 17th & Jackson, San Jose.
COST, \$10,000

REMODELING

TERRAM AND JULIAN STS., San Jose. Remodeling. Owner.....California Pine Box & Lumber Co., Premises. Architect...None. Day's work. **COST, \$3000**

COTTAGE

ASBURY AND MILLER STS., San Jose. Six-room cottage. Owner.....S. P. Jones, 23 Asbury St., San Jose. Architect...None. Contractor...Chas. A. Thomas, 692 N. San Pedro, San Jose.
COST, \$2000

ALTERATIONS

NO. 503 N-FOURTH ST., San Jose. Alterations. Owner.....R. L. Hawkins, Premises. Architect...None. Day's work. **COST, \$500**

ADDITION

NO. 549 SPENCER ST., San Jose. One-room addition. Owner.....Geo. J. Frost, Premises. Architect...None. Day's work. **COST, \$400**

FRAME COTTAGE

N-SIXTEENTH, bet Empire and Jackson Sts., San Jose. All work for

frame cottage.
Owner.....A. J. Leaderich, San Jose.
Architect.....S. G. Pelton.
Contractor.....S. G. Pelton, 217 S-First
St., San Jose.

Filed Feb. 11, '15. Dated Jan. 28, '15.
Frame up\$625
Plaster on 625
When completed 625
Usual 35 days..... 625
TOTAL COST, \$2500
Bond, none. Limit, 90 days. Forfeit,
none. Plans and specifications filed.

FRAME BUNGALOW
PART OF LOTS 11 AND 13 BLK 19
Map 2 Seale Addition, Palo Alto. All
work for one-story frame bungalow.
Owner.....S. P. Stetson, Oakland.
Architect.....Mitchell & Hodges, Bank-
ers' Investment Bldg., S. F.
Contractor.....E. J. Kingham, Marysville.
Filed Feb. 11, '15. Dated Feb. 9, '15.
Frame up, enclosed & shingled.\$1080
Plastered (first) 1080
All completed 1080
Usual 35 days..... 1083
TOTAL COST, \$4323
Bond, none. Limit, 70 days. Forfeit,
\$5. Plans and specifications filed.

COMPLETION NOTICES.

SANTA CLARA COUNTY.

RECORDED ACCEPTED
Feb. 15, 1915—E MARKET, between
San Fernando and San Antonio,
San Jose. A C Kuhn, M H Blan-
chard, L Wayland and A M Harris
to J E Perkins.....Feb. 6, 1915
Feb. 18, 1915—STANFORD UNIVER-
sity Campus, Palo Alto. Stanford
University Trustees to C A Brady
.....Feb. 15, 1915
Feb. 19, 1915—LOT 16 BLK 55 Naglee
Park Tract, San Jose. H M Nelson
to H M Nelson.....Feb. 19, 1915
Feb. 23, 1915—LOT 8 BLK 21 Mont-
gomery & Rea Sub, San Jose. W L
D Carey to whom it may concern
.....Feb. 23, 1915

LIENS FILED

SANTA CLARA COUNTY.

RECORDED AMOUNT
Feb. 15, 1915—LOTS 7, 8, 9, 10 and
part Lot 12 Blk 11, Seale Tract,
Palo Alto. R F Meath to H L and
May B Haehl.....\$115.07
Feb. 16, 1915—LOTS 7, 8, 9, 10 and
part 12 Blk 11, Seale Tract, Palo
Alto. Frank Alberson vs H L and
May B Haehl.....\$50
Feb. 16, 1915—LOTS 7, 8, 9, 10 and
part Lot 12 Blk 11, Seale Tract,
Palo Alto. C J Brown vs H L and
May B Haehl (7% interest per
Annum)\$109.40
Feb. 17, 1915—LOTS 7, 8, 9, 10, 12 Blk
11 Seale Tract, Palo Alto. T M
Phillips vs May B and H L Haehl
.....\$145
Feb. 17, 1915—LOTS 7, 8, 9, 10 NE ½
Lot 12 Blk 11, Seale Tract, Palo
Alto. Bird-Rymer Co vs H L and
May B Haehl.....\$250
Feb. 17, 1915—LOTS 7, 8, 9, 10 NE ½
12 Blk 11, Seale Tract, Palo Alto.
H A Johnston vs H L and May B
Haehl\$145
Feb. 18, 1915—BRYANT near Lowell
Palo Alto. John A Roeblings Sons
vs H L and May B Haehl....\$133
23, 1915—NW ELEVENTH AND

Santa Clara, San Jose. J E Peter-
sen, \$60.09; Mangrum & Otter Co,
\$51.65 vs Chas Colombet.....

LIENS FILED.

SAN MATEO COUNTY.

RECORDED AMOUNT
Feb. 27, 1915—VALPARAISO AVE
Lot 4, Valparaiso Park Tct, Menlo
Park. Pope & Talbot vs Academy
of the Sacred Heart and C A In-
gerson\$5113.58
Feb. 27, 1915—LOTS 8 AND 9 BLK
"E" Fair Oaks Acres. Joseph
Feller, \$22.80; W S Jack, \$32.70;
Louis B Dengler, \$82.50; J D Mc-
Carthy, \$44.20; Joe Rosebrook,
\$37.50; R S Jewell, \$162; C W
Spencer, \$55.50; George Cassey,
\$87.75; George Krumbeck, \$82.50;
L S Bean, \$171.25 vs H J Ross and
Dr M H Schord.....\$380.80
Mar. 1, 1915—LOTS 8 AND 9 BLK
"E" Fair Oaks Acres. P Olsen vs
M H Schord and H J Ross....\$380.80
Mar. 2, 1915—LOTS 8 AND 9 BLK
"E" Fair Oaks Acres. William D
Smith, \$25; Dudfield Lumber Co,
\$1270.83 vs H J Ross and M H
Schord\$101.13
Mar. 3, 1915—LOTS 8 AND 9 BLK
"E" Fair Oaks Acres. W C Pala-
mountain vs M H Schord and H J
Ross, \$202.20 with interest at 7%
Mar. 4, 1915—PTN LOT 119 West End
Homestead Ass'n. Mission Lumber
Co vs W Robinson and M Ruegg
.....\$101.13
Mar. 4, 1915—LOTS 8 AND 9 BLK
"E" Fair Oaks Acres. J M Dodd vs
Dr M H Schord and H J Ross..\$49.42
Feb. 19, 1915—LOTS 6, 7, 8, 9, 10, 11,
12, 13, 14, 15, 16, 17, 18 and 19 Blk
2 Robinson Sub of Redwood City.
William P Goss vs L P Behrens,
George Peck, Arthur Draper (as
Peck & Draper Co).....\$272
Feb. 27, 1915—LOTS 8 AND 9 BLK
"E," Fair Oaks. L A Bean vs H J
Ross and Dr M H Schrod....\$171.25
Feb. 29, 1915—VALPARAISO AVE.,
Menlo Park. Pacific Mfg Co vs
C A Ingerson and Academy of the
Sacred Heart\$4806.95

RELEASE OF LIENS.

SAN MATEO COUNTY.

RECORDED AMOUNT
Mar. 1, 1915—GRAND AVE LOTS 15
and 16 Blk 140, South San Fran-
cisco. South City Lumber & Sup-
ply Co, \$402.20; Pacific Mfg Co,
\$1548.19 to South San Francisco
Land & Improvement Co.....
Mar. 1, 1915—GRAND AVE LOTS 15
and 16 Blk 140, South San Fran-
cisco. Haines, Jones & Cadbury
Co to South San Francisco Land &
Improvement Co, Thos H Day's
Sons and J Looney Co.....\$602.79
Mar. 1, 1915—GRAND AVE LOTS 15
and 16 Blk 140, South San Fran-
cisco. Reed & White to South
San Francisco Land & Improve-
ment Co, and Thos H Day's Sons
(Paid by U. S. Fidelity & Guaranty
Co)\$1089.25
Mar. 1, 1915—GRAND AVE LOTS 15
and 16 Blk 140, South San Fran-
cisco. Steiger Terra Cotta &
Pottery Works, \$710.17; Bradley &
O'Reilly, \$2407.15; Reigle & Jamie-
son, \$300; Thomas Day Co, \$350;

Henry Cowell Lumber & Cement Co,
\$3296.36; W P Fuller & Co, \$571.16;
George S Forderer, \$535.65; E J
Hampton, \$325; The J Looney Co,
\$1825 to South San Francisco Land
& Improvement Co and Thos H
H Day's Sons

COMPLETION NOTICES.

SAN MATEO COUNTY.

RECORDED ACCEPTED
Mar. 4, 1915—PTN LOT 4, Valparaiso
Park Tct. Academy of the Sacred
Heart, et al to Kiernan & O'Brien
.....Feb. 26, 1915
Feb. 23, 1915—LOTS 21 AND 22 BLK
"N" Mission Street Land Co. Home-
stead Realty Co to William H
Grahn.....Sept. 22, 1914
Feb. 26, 1915—BERESFORD. The
Beresford Country Club to Donnelly
& Waller.....Feb. 19, 1915
Feb. 26, 1915—"CAROLAN'S" Hills-
boro. Francis Carolan to F L
Preston.....Feb. 15, 1915

MARIN, CONTRA COSTA AND SONOMA COUNTIES.

STREET PAVING—Cost not stated.
Healdsburg, Sonoma Co., Cal. Engi-
neer, City Engineer, Healdsburg. Own-
ers, City of Healdsburg. The Board
of Trustees has taken definite steps to
pave the business streets of this city
and will issue a call for bids probably
at their next meeting. The paving
will consist of four inches of hydraulic
concrete as a base, upon which will be
laid two inches of asphaltic concrete
wearing surface.

STREET IMPROVEMENTS — Cost
not stated. San Rafael, Marin Co., Cal.
Engineer, City Engineer, San Rafael.
Owners, City of San Rafael. The City
Council has ordered the City Engineer
to advertise for bids for improving
the road to McNear's Point from the
city limits. Also for widening and
improving the road and installing cor-
rugated culverts from Lagunitas to
Tocaloma. The City Engineer has also
been instructed to prepare plans for
widening and improving the county
road from the Ben Morse property
west of Willow Camp to a point op-
posite the Wilkins property at the
foot of the Bolinas grade.

ROAD WORK—Cost not stated. San
Rafael, Marin Co., Cal. Engineer,
County Surveyor, San Rafael. Own-
ers, Marin County. The Supervisors
have directed the County Engineer to
prepare plans for the road work to be
done on Nicasio Hill from San Geroni-
mo to Miller's gate.

SEWER—Reinforced concrete. Cost
not stated. Napa, Napa Co., Cal. En-
gineer, City Engineer Jorden, Napa.
Owners, City of Napa. Plans and
specifications presented by City En-
gineer Jorden for the proposed rein-
forced concrete storm sewer on York
street have been adopted and the Clerk
of the Board has been directed to ad-
vertise for bids to be opened on March
15th.

SEWER SYSTEM—Cost not stated.
Richmond, Contra Costa Co., Cal. En-
gineer, City Engineer, Richmond.
Owners, City of Richmond. The City
Engineer's diagram of the new sewer
system in the Bay View Park tract
has been adopted by the City Council.

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as good as they are
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White Brothers

5th and Brannan Streets

San Francisco

SEWER WORK—Cost not stated. Martinez, Contra Costa Co., Cal. Engineer, City Engineer, Martinez. Owners, City of Martinez. The City Engineer has been directed to prepare plans and specifications for the laying of a twelve or fourteen inch sewer, as necessity required, the whole length of Pine street from the low tide level on the north to De Laselle Institute on the south. Similar action was taken regarding Smith street.

STREET WORK—\$26,254.99. Sausalito, Marin Co., Cal. Engineer, Town Engineer, Sausalito. Owners, Town of Sausalito. At the request of the Sausalito Chamber of Commerce an estimated cost of street work from Princess street to the Reservation gate was presented by the Town Engineer. His estimate for excavating, concrete base, culverts, asphalt surface, vitrified brick surface, curbs and gutters is \$26,254.99. Bids on this work will be called for at an early date.

BRIDGE—Steel and reinforced concrete. Cost not stated. Vallejo, Solano Co., Cal. Engineers, County Engineers of Solano and Sacramento Counties. Owners, Sacramento and Solano Counties. According to word received Sacramento and Solano Counties have come to an agreement on the first unit of the work that is to be done on the proposed bridge that is to be constructed across the Sacramento River at Rio Vista. The engineers of both counties have been instructed to hold a conference with reference to the plans as soon as possible, and after these are settled upon, they will be submitted to the Solano County Board

at its meeting of April and bids will then be ordered advertised for. The first unit of the work consists of the driving of piling to Wood Island, and this will be the start of the Sacramento approach.

SCHOOL ADDITIONS—2, 1 story, brick and frame. Cost not stated. Richmond, Contra Costa Co., Cal. Architect, James T. Nabett, Berry Bldg., Richmond. Owners, City of Richmond. Plans have been submitted to the City Council, but owing to a few changes to be made, bids will not be called for a few days. The improvements to be made consist of a four-room brick structure to be added to the Peres school and a four-room frame addition to the Fairmont school. The four rooms to be built at Peres school will be so constructed that they can be used as a part of a new building later.

BARRACKS—2 story and base, reinforced concrete, \$200,000. Mare Island, Cal. Architect, U. S. Department of Yards and Docks, Washington, D. C. Owners, United States Government. Mare Island is assured of a new brigade barracks building, costing \$200,000. This amount was included in a bill passed in Congress on March 5th. Money will be available at once and construction will be started as soon as plans can be prepared. The building will probably be of reinforced concrete construction.

Contracts Awarded.

MUNICIPAL WHARF—Timber pile construction, \$212,344. Richmond, Contra Costa Co., Cal. Engineers, Haviland & Tibbetts, Alaska-Commercial Bldg., S. F. Owners, City of Rich-

E. H. Williams

Chalmers Munday

Munday & Williams

Attorneys-at-Law

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San Francisco

mond. Contractors, Healy-Tibbitts Construction Co., S. F. Contract price, \$212,344. A complete list of bids received for this work will be found under the heading of Marin, Contra Costa and Sonoma Counties in this issue.

DREDGING — \$7,434.66. Richmond, Contra Costa Co., Cal. Engineer, City Engineer, Richmond. Owners, City of Richmond. Contractors, American Dredge Co., Richmond. Contract price, \$7,434.66.

Richmond Wharf Contract Awarded.

City of Richmond Let Contract For
Municipal Wharf No. 1 to Healy-
Tibbitts Construction Co.

Seven bids were opened by the Richmond City Council Monday night for the construction of the Municipal wharf, designed by Engineers Haviland and Tibbetts. Healy Tibbitts Construction Co. presented the low figure on the entire work at \$212,344 and were awarded the contract. Following is a list of the bids opened:

Municipal Wharf No. 1.

San Francisco Bridge Co.	\$228,039
Duncanson Harrelson Co.	220,989
Moffatt & Mead	215,318
A. Guthrie & Co.	221,420
Healy Tibbitts Con. Co.	212,344
Tibbitts Pacific Co.	219,795
Petersen & Grier	229,352

Williamson's Continuous Clothes Line Outfit

Clothes Line Problem Solved At Last

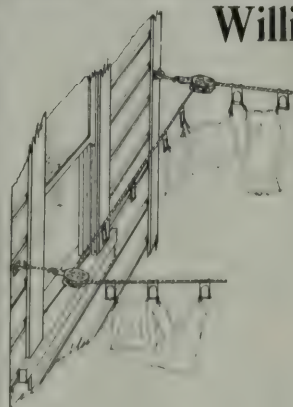
DOUBLE your line space, use all the line. No empty top line, keeps the clothes free from the soiled line, making it Sanitary. Take clothes off any part of line without removing the wet clothes.

CONSTRUCTION: The pulleys are made of cast iron galvanized; so constructed as to allow the patent clothes line to pass through carrying the clothes around the pulleys, thereby using both lines.

BY using three pulleys, the lines are spread apart as shown in the picture and allows you to put clothes on or take them off the line without hanging out of the window side-ways. The clothes pin is made of heavy galvanized wire formed in such a manner as to allow it to be fastened to the clothes line very easily; nothing complicated to get out of order. Holds the clothes free from the line so the lines need not be covered with cloth-strips in order to keep the clothes from being soiled from the line. The strongest wind cannot blow the clothes out of the pins as they are held in a spring slot. When the wind blows it pulls the clothes deeper into the slot holding them tighter.

NO SPRINGS TO PRESS OR SQUEEZE to get the clothes in or out. Just slip clothes in slot Sanitary, Stronghold, Clothes Pins, 3 Continuous and pull down. WILL hold the daintiest fabrics or Clothes Line Pulleys and 1 Pair Line Splicers. the heaviest blanket. 1340 Mission St. Phone Mkt. 4008.

THIS OUTFIT CONSISTS OF 3 DOZEN
Price, \$2.00 per Set.



Mare Island Barracks.

Congress Has Passed Bill Which Assures New Barrack Building Costing Two Hundred Thousand Dollars.

Mare Island is assured of a new grade barracks building costing \$200,000. This amount was included in a bill passed in Congress on March 4. Money will be made available at once and construction will be started as soon as plans can be prepared. The building will probably be of reinforced concrete construction.

A similar appropriation has been made for barracks at the Norfolk, Va., Navy Yard.

BUILDING CONTRACTS

MARIN COUNTY

DWELLING

OLEMAN ADDITION, San Rafael. All work for two-story and basement dwelling.

Owner.....M. Harrison Dibblee, San Rafael.

Architect...Harris Osborn.

Contractor...J. A. Kappenmann San Rafael.

Let Mar. 4, '15. Dated Mar. 3, '15.

Frame up\$2143.75

Brown coat on 2143.75

When finished 2143.75

Usual 35 days 2143.75

TOTAL COST, \$8575.00

ond, \$4288. Surety, U. S. Fidelity & Guaranty Co. Limit, 120 working days. Forfeit, none. Plans and specifications filed.

FRAME DWELLING

FLANDA COURT, San Anselmo. All work including excavating, frame, wooden barn, shingle work, roofing, etc., for one-story frame dwelling.

Owner.....Sarah L. Ehrenberg, San Anselmo.

Architect...Rudolph J. Patcha, Oak Knoll Ave., San Anselmo.

Contractor...Rudolph Patcha Constr. Co., San Anselmo.

Let Feb. 23, '15. Dated Feb. 18, '15.

Excavation made\$350

Frame up 350

When plastered 400

When completed 660

Usual 35 days 590

TOTAL COST, \$2350

ond, \$1200. Sureties, Mrs. M. Patcha and Mrs. L. W. Cooper. Limit, 60 working days. Forfeit, none. Plans and specifications filed.

BUILDING CONTRACTS.

CONTRA COSTA COUNTY.

DEPOT

PON STATION RESERVATION OF Southern Pacific Co., Richmond. All work for construction and completion of one and two-story reinforced concrete passenger depot building.

Owner.....Southern Pacific Co., Flood Bldg., San Francisco.

Architect...None.

Contractor...W. R. Jones and J. J. McGovern, 2218 Los Angeles, Berkeley.

Let Mar. 1, '15. Dated Feb. 15, '15.

At end of each month..... 75%

Usual 35 days..... 25%

TOTAL COST, \$11,490

Bond, \$6000. Surety, Pacific Coast Casualty Co. Limit, 125 working days. Forfeit, none. Plans and specifications filed.

FRESNO, MODESTO, STANISLAUS AND CENTRAL CALIFORNIA

BRIDGE—Reinforced concrete and steel. Cost not stated. Bakersfield, Kern Co., Cal. Engineer, County Surveyor, Bakersfield. Owners, Kern County. By a unanimous vote the Board of Supervisors has annulled the contract for the construction of the proposed Poso Creek bridge which was awarded to J. R. Rogers on February 11th. New bids will be advertised for at once.

SHOP AND OFFICE—1 story, frame, \$4,000. Fresno, Fresno Co., Cal. Architect, none. Owners, Thompson Bros., 1514 H street, Fresno. The building will cover an area of 40 by 80 feet, and has been arranged for offices in the front portion and a shop in the rear. Interior of the offices will be finished in pine. There will be special machinery. Exterior will be covered with rustic and shiplap. Plans are complete and in the hands of the owners who will do the work by Day Labor. Materials are being purchased.

RESIDENCE — 2 story and base, frame, \$8,500. Fresno, Fresno Co., Cal. Architect, none. Owner, Al. Braverman, Land Co. Bldg., Fresno. The dwelling has been designed for an eight-room house and will be erected in the Villa Tract. A separate garage will also be erected on the property. Interior of the house will be finished in pine and hardwood veneer with white enamel in the bed rooms. There will be hardwood floors. Plans provide for furnace heat and open fire places. Mantels will be of tile or brick. Tile wainscot will be used in the bath rooms. An automatic water heater will be installed. Exterior of the dwelling and garage will be covered with cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor.

RAILROAD DEPOT—1 and 2 story, reinforced concrete, \$40,000. Visalia, Tulare Co., Cal. Architect, Engineering Department, Southern Pacific Co., Flood Bldg., S. F. Owners, Southern Pacific Co. Announcement has been made that the Southern Pacific railroad engineering department has completed plans to submit to the Visalia Board of Trade and the Railroad Commission for the new depot to be erected at Visalia.

ROAD WORK — Cost not stated. Bakersfield, Kern County., Cal. Engineer, County Surveyor, Bakersfield. Owners, Kern County. Plans are complete for constructing about 8.8 miles of county highway in Road District No. 8 of Kern County. Plans and specifications can be secured from the County Surveyor. Bids will be opened on March 22nd for this work.

RESIDENCE — 2 story and base, frame, \$4,500. Fresno, Fresno Co., Cal. Architects, Bowen & Davis, Rowell Bldg., Fresno. Owner, Dr. J. A. Kleiser. The dwelling has been designed for a seven-room house with two baths. Interior will be finished in pine and redwood. Hardwood floors

will be used in the principal rooms. There will be furnace heat and open fire places. Mantels will be of tile. An automatic water heater will be installed. Bath rooms will be finished in tile. Exterior of the dwelling will be covered with cement plaster. Plans are being prepared.

BUNGALOWS—2, 1 story, frame, \$1,500 each. Fresno, Fresno Co., Cal. Architect, none. Owners, Robert Wilson, 2804 Madison street, and George Elia, 1444 C street, Fresno. These houses will contain five rooms each with bath. Interiors will be finished in pine and redwood. There will be open fire places and stock mantels. Exteriors will be covered with rustic and shiplap. Plans are complete and in the hands of the owners who will do the work by Day Labor.

IRRIGATION WORK—\$600,000. Modesto, Stanislaus Co., Cal. Engineer, F. C. Herman, Monadnock Bldg., S. F. Owners, Modesto Irrigation District. Engineer, F. C. Herman has been appointed by the Directors of the Modesto Irrigation District as their chief engineer. Mr. Herman will have complete charge of all construction work to be carried out under the recent bond issue. Over \$600,000 in funds are now available for this work.

THEATRE ALTERATION — Brick and steel, \$20,000. Fresno, Fresno Co., Cal. Architect, R. L. Felchins, Fresno. Owner, H. H. Brix. Three buildings located on J street between Marioposa and Fresno streets will be altered into a modern theatre building. The work will include new interior trim, ornamental plaster, electric work, painting, plumbing and plastering. Plans are now being prepared.

Contracts Awarded.

TOILET BUILDINGS—4, 1 story, frame, \$16,500. Bakersfield, Kern Co., Cal. Architect, Orville Clark, Brower Bldg., Bakersfield. Owners, City of Bakersfield. Contractors, Currie & Dular, Bakersfield. Contract price, \$16,500.

BUNGALOW — 1 story and base, frame, \$1,500. Fresno, Fresno Co., Cal. Architect, none. Owner, A. M. Beecher, 3239 Iowa street, Fresno. The dwelling has been designed for a five-room house with bath. Interior finish will be of pine and redwood. There will be an open fire place and tile mantel. Exterior of the dwelling will be covered with cement plaster and rustic. Plans are complete and in the hands of the owner who will do the work by Day Labor.

BUILDING CONTRACTS

FRESNO COUNTY.

DWELLING

LOTS 7 AND 8 BLK 4, Stratford Pl., Fresno. Dwelling.

Owner.....N. G. Landon.

Architect...None.

Contractor...R. C. Blackwell, 227 Coast St., Fresno.

COST, \$2500

DWELLING

LOTS 16 TO 20 BLK 30, Belmont Add'n Fresno. Dwelling.

Owner.....Robert Wilson by A. J. Dowles, Agt., 2804 Madison St., Fresno.

Architect...None.

Day's work.

COST, \$1100

DWELLING
NO. 2213 VENTURA ST., Fresno. All work for dwelling.
Owner.....Geo. Elin, 1444 C St., Fresno.
Architect...None.
Day's work. COST, \$1000

DWELLING
LOT 7 BLK 4 Villa Homestead Trct., Fresno. Dwelling.
Owner.....Al Braverman, 110 Land Co. Bldg., Fresno.
Architect...None.
Day's work. COST, \$500

DWELLING
LOTS 7 AND 8 BLK 28 K. B. Heights, Fresno. Dwelling.
Owner.....Tony Saladino, 1208 Merced St., Fresno.
Architect...None.
Contractor..E. Hansen. COST, \$1325

BRICK SCHOOL
S 1/2 OF BLKS 7 AND 8 Englewood Addition, Fresno. All work for two-story and basement brick school.
Owner.....City of Fresno School District.
Architect...E. Mathewson, Forsyth Bldg., Fresno.
Contractor..W. D. Trehwitt and H. W. Shields, 425 Rowell Bldg., Fresno.

Filed Feb. 27, '15. Dated Feb. 23, '15.
Concrete foundations in place. \$ 4000
Brick up to 1st floor level & 1st floor rough concrete in place 9000
Brick work up to 2d floor joists 9000
2d floor corridor slab and stairs are in place..... 4500
Brick work up to 2d story ceiling joists 11000
Roof sheathed and stud partitions in place..... 9000
Roof tile laid 4000
Interior lathed & brown coated 7000
Ready for trim and finish floor 8000
Finish mill work ready for painting 6000
When completed 2000
Usual 35 days..... 24500
TOTAL COST, \$98,000
Bond, \$52,000. Surety, Commonwealth Casualty Co. Limit, 162 working days. Forfeit, \$20. Plans and specifications filed.

NOTE—First report Feb. 27, 1915.

OFFICE AND SHOP
LOTS 20 AND 21 BLK 66, Fresno. All work for office and shop.
Owner.....Thompson Bros., 1514 H St., Fresno.
Architect...None.
Day's work. COST, \$3850

DWELLING
LOTS 12 TO 16 BLK 38, Arlington Heights Add'n. Fresno. Dwelling.
Owner.....A. M. Beecher, 3239 Iowa, Fresno.
Architect...None.
Day's work. COST, \$1200

DRILLING WELL
SECTION 31, 20-15, Fresno. All work for drilling well No. 31.
Owner.....Kern Trading & Oil Co.
Architect...None.
Contractor..W. D. Head Drilling Co.
Filed Feb. 27, '15. Dated Feb. 15, '15.
All money earned by contractor during previous month shall be

paid on or after 10th day of month following.
Usual 35 days.....Balance 50%
TOTAL COST, \$5 per foot
Bond, \$7500. Surety, Fidelity & Deposit Co. of Maryland. Forfeit, none. Limit, none. Plans and specifications filed.

LIENS FILED

FRESNO COUNTY.

RECORDED AMOUNT
Mar. 1, 1915—LOTS 17 TO 21 BLK 82, Fresno. C J Hillard Co, Inc vs Eleanor J and Frank H Ball....\$57

COMPLETION NOTICES.

FRESNO COUNTY.

RECORDED ACCEPTED
Feb. 27, 1915—LOTS 1 TO 4 BLK 72, Fresno. Mary E Berry to whom it may concern.....Feb. 11, 1915

SACRAMENTO, STOCKTON AND NORTHERN CALIFORNIA.

BRIDGE—Steel and reinforced concrete, \$122,000. Stockton, San Joaquin Co., Cal. Engineer, County Surveyor Frank E. Quail, Stockton. Owners, San Joaquin County. County Surveyor Frank E. Quail has presented to the Supervisors plans and specifications for the construction of the proposed Borden bridge across Middle and Old Rivers. On approval of the plans bids will probably be called for.

RESIDENCE—2 story and base, frame, \$3,000. Sacramento, Cal. Architect, A. Willoner, Ochsner Bldg., Sacramento. Owner, H. H. Robinson. The dwelling will contain six rooms and bath and will be erected in the Wright and Kimball Subdivision. Interior will be finished in pine and redwood. Hardwood floors will be used in the living room and dining room. An open fire place will be a feature of the living room. Mantel will be of tile or brick. Tile wainscot will be used in the bath room and kitchen. Exterior of the house will be covered with cement plaster on metal lath. Plans are being prepared.

RESIDENCE—2 story and base, frame, \$2,800. Stockton, San Joaquin Co., Cal. Architect, Joseph Losekahn, San Joaquin Bldg., Stockton. Owner, Ray Friedberger. The house has been designed for a seven-room dwelling and will be erected in the Yosemite Terrace district. Interior will be finished in pine and redwood. Hardwood floors will be used in the living room, dining room and reception hall. There will be furnace heat and open fire places. Mantels will be of tile. Tile wainscot will be used in the bath rooms. Exterior of the house will be covered with rustic and cement plaster on metal lath. Plans are complete and figures are being taken.

BY-PASS AND WEIR—\$500,000 to \$600,000. Sacramento, Cal. Engineer, City Engineer Frank C. Miller, Sacramento. Owners, City of Sacramento. Plans have been submitted to the City Council for the Sacramento by-pass and weir, which the city proposes to construct at Blythe's Bend, three miles up stream from the city. Scheme A estimates the cost at \$138,000 for both

the city and Reclamation Board. (This sum the city's expense would be \$219,000 and the Reclamation Board share \$218,500. Under scheme B the weir will cost \$678,000 and the city share would be \$458,000 and the Reclamation Board's share \$220,000. According to City Engineer Miller, the increased cost of the weir and appurtenances under scheme B is due to the fact that higher grade weir gate is provided. It is automatic and highly improved. Scheme A on the other hand provides for a less expensive and less highly improved weir gate. Under scheme B the movable gate and operating machinery will cost \$263,000 against only \$65,000 under scheme A. This report has been turned over to the Reclamation Board, which will select one of the schemes or adopt an entirely new one.

BRIDGE—Reinforced concrete. Cost not stated. Placerville, Eldorado Co. Cal. Engineer, City Engineer, Placerville. Owners, City of Placerville. The Trustees of this city have decided to construct a cement and steel bridge across Hangtown creek at the Placerville foundry, and will do the work under the Day Labor system. Bids for supplying cement and steel for the new structure will be called at the next meeting of the Board.

Contracts Awarded.

DREDGING—Cost not stated. Stockton, San Joaquin Co., Cal. Engineer, County Surveyor, Stockton. Owners, San Joaquin County. Contractors, San Joaquin Ditching Co. Contract price \$70 per day of 24 hours.

ROAD WORK—\$25,042.47. Stockton, San Joaquin Co., Cal. Engineer, County Engineer, Stockton. Owners, San Joaquin County. Contractors, Irely & McCleary, Lodi. Contract price \$25,042.47.

FACTORY—1 story, frame, \$12,000. Sebastopol, Sonoma Co., Cal. Architect, none. Owners, Sebastopol Berry Growers' Association, Sebastopol. Contractors, Baily-Comstock Co., Santa Rosa. Contract price, \$12,000.

BUILDING CONTRACTS.

SACRAMENTO COUNTY.

RESIDENCE
LOT 233 West Curtis Oaks Add'n., Sacramento. Two-story 6-room residence.
Owner.....A. W. Clevenger, Alameda Ave., Bexler Tract, Sacramento.
Architect...None.
Contractor..Corum & White, 2523 1st Ave., Sacramento. COST, \$4000

RESIDENCE
PTN WHITE & TERRY TRACT, Sacramento. Four-room residence.
Owner.....G. Ben Davis, J St., Road, Sacramento.
Architect...None.
Contractor..S. Hawley, Colonial Acres. COST, \$700

RESIDENCE
TWENTY-THIRD ST., bet. 2nd and 3rd Aves., Lot 122 West Curtis Oaks, Sacramento. Two-story 7-room dwelling.
Owner.....E. A. West, Cr. J. C. Carly Co., 623 J St., Sacramento.
Architect...None.

Contractor..Corum & White, 2533 1st Ave., Sacramento.

COST, \$4000

ADDITION

E ½ LOT 2, N, O, 17th and 18th Sts., Sacramento. Two-story addition to rear of residence.

Owner.....Harry Nauman, 1712 N St., Sacramento.

Architect...None.

Contractor..H. C. Pratt, Box 463, Route 2.

COST, \$300

RESIDENCE

FREEMPORT ROAD on Lot 1, Hillcrest Terrace, Sacramento. Three-room residence.

Owner.....Juan Bulyon, 1923 2nd St., Sacramento.

Architect...None.

Contractor..Louis Holnersan, 929 E St., Sacramento.

COST, \$300

GARAGE

NO. 1227 O ST., on W ½ Lot 7, N, O, 12th and 13th, Sacramento. Private garage.

Owner.....J. C. Beard.

Architect...None.

Contractor..Barton & Hite, 1812 L St., Sacramento.

COST, \$300

COMPLETION NOTICES

SACRAMENTO COUNTY.

RECORDED

ACCEPTED

Feb. 27, 1915—S ½ OF W ½ OF LOT 8, F, G, 23rd and 24th, Sacramento. Frank Johnson to whom it may concern.....Feb. 18, 1915

Feb. 27, 1915—GRAND ISLAND Pratt Law Preserving Co's Ppty, Sacramento River, 2 1-10 miles below Town of Ryde, Pratt Law Preserving Co to Darbey Laydon. Jan. 21, '15

BUILDING CONTRACTS

SAN JOAQUIN COUNTY.

BRICK SCHOOL

COR. NORTH ST. AND LOWER Sacramento Road, Stockton. All work for two-story 14-room brick school.

Owner.....Stockton Board of Education, High School Bldg., Stockton.

Architect...Stone & Wright, 24-S California, Stockton.

Contractor..R. W. Moller, 185 Stevenson, San Francisco.

Filed Mar. 2, '15. Dated Mar. 1, '15.

Monthly payments of..... 75%

Usual 35 days..... 25%

TOTAL COST, \$63,928

Bond, \$33,000. Surety, The Aetna Accident & Liability Co. Limit, Sept. 1, 1915. Forfeit, \$10 per day. Plans and specifications filed.

COMPLETION NOTICES.

SAN JOAQUIN COUNTY.

RECORDED

ACCEPTED

Feb. 25, 1915—MAIN & UNION STS. Stockton. Western Pacific Railway Co to John Driver.....Feb. 23, 1915

LOS ANGELES AND SOUTHERN CALIFORNIA.

HOSPITAL GROUP—1, 2 and 3 story, brick building, \$160,000. Norwalk, Los Angeles Co., Cal. Architect, State Architect George B. McDougall, Sacramento. Owners, State of California. Working drawings are nearing completion for a new state institution which is to be erected at Norwalk, near Los Angeles. This institution will care for the blind insane of the state and will be one of the most modern institutions of its kind in the United States. Plans will probably be out for figures by the end of March. Further mention will be made of the work.

SUPERINTENDENT'S RESIDENCE—2 story and base, frame and plaster. Cost not stated. Patton, San Bernardino Co., Cal. Architect, State Architect George B. McDougall, Sacramento. Owners, State of California. Bids were opened on March 1st for constructing a residence for the superintendent at the Patton State Hospital. All bids received were above the amount available and were rejected. The lowest figure received, that of John Mulder of Los Angeles, was not accompanied by a certified check of sufficient amount and was rejected. A complete list of the bids will be found under the heading of Los Angeles in this issue.

SEWER CONSTRUCTION — \$67,000. San Diego, San Diego Co., Cal. Engineer, City Engineer, San Diego. Owners, City of San Diego. Bids received by the City Council for completing the construction of the Ocean Beach sewer have been rejected, and the Clerk has been ordered to advertise for new bids on the work. The lowest bid was of Chas. H. Julian for \$67,000.

DEPARTMENT STORE—2 story and base, reinforced concrete, \$100,000. Atascadero, San Luis Obispo Co., Cal. Architects, Bliss & Faville, Balboa Bldg., S. F. Owners, Atascadero Colony. Plans are nearly complete for a large department store which is to be erected in the Lewis Colony. The structure will be fireproof with reinforced concrete floors and walls. Interior will be designed along the latest and most approved lines, the manager of the store having left for the East to gather ideas and co-operate with the architects. The design will be in the Mission style and along lines similar to the other buildings which are now being erected in the colony. Construction will probably be done by Day Labor. Further mention will be made of the work.

APARTMENT HOUSE—2 and 5 story and base, reinforced concrete. Cost not stated. Los Angeles, Cal. Architect, Arthur D. Benton, 114 North Spring street, L. A. Owner, O. T. Johnson. The building will be erected on Bolsa street near Crown Hill avenue, covering an area of 50 by 100 feet. There will be 50 suites of two and three rooms. Interior finish will be of pine and hardwood veneer. Hardwood floors will be used in the living and dining rooms. There will be wall beds and private bath rooms. Plans provide for steam heat and hot water circulating system. Bath rooms will be finished in tile. Exterior of the building will be faced with cement plaster. Plans are being prepared.

LOFTS—2 and 3 story and base, brick and steel. Cost not stated. Los Angeles, Cal. Architect, Frank Tandy, 360 South Alvarado street, L. A. Owner, Frank Tandy. The building will be erected at the corner of Eighth and Wall streets, having a 40-foot frontage on one street and 125 feet on the other. Interior will be finished in pine throughout. There will be metal window sash and frames. Plans provide for steam heat and a freight elevator. Exterior of the building will be faced with pressed brick. Plans are complete and figures are being taken.

CITY HALL AND AUDITORIUM—5 story and base, reinforced concrete, \$500,000. San Diego, San Diego Co., Cal. Architect, Harrison Albright, McLaughlin Bldg., L. A. Owner, John D. Spreckels, to be leased to the City of San Diego. The building will be erected on the south side of Broadway between Front and Union streets, covering an area of 200 by 100 feet. Only preliminary plans have been prepared and details of construction have not been given out. The proposition to lease the building is now being considered by the City Council. Further mention will be made of the work.

LIBRARY—1 story and base, brick, \$25,469. Los Angeles, Cal. Architects, Kysor & Biggar, Wright and Cellender Bldg., L. A. Owners, City of Los Angeles. Contractor, C. Karseboom, 1445 Dana street, L. A. Contract price, \$25,469.

RECTORY—2 story and base, hollow tile. Cost not stated. Inglewood, Los Angeles Co., Cal. Architects, Frohman & Martin, Slavin Bldg., L. A. Owners, Church of the Holy Faith. The dwelling will contain nine rooms and three baths. Interior will be finished in pine and hardwood veneer. Hardwood floors will be used in the principal rooms. There will be furnace heat and open fire places. Mantels will be of tile. Bath rooms will have tile floors and wainscot. Exterior will be covered with cement plaster. Plans are being prepared.

SCHOOL GYMNASIUM—1 story and base, brick. Cost not stated. Hollywood, Los Angeles Co., Cal. Architect, Norman F. Marsh, Broadway Central Bldg., L. A. Owners, Hollywood High School District. The building will cover an area of 114 by 110 feet. Interior will be finished in pine with a maple floor. There will be special equipment and a hot water supply. Exterior of the building will be covered with cement plaster. Plans are complete and figures are being taken.

Contracts Awarded.

HOTEL—3 story and base, brick and steel, \$50,000. Los Angeles, Cal. Architect, L. T. Mayo, Story Bldg., L. A. Owners, Bertha M. Fisher and Elizabeth Hodgkins. Contractor, L. T. Mayo, Story Bldg., L. A. Contract price, \$50,000.

MILITARY ACADEMY—5, 1 story and base, brick, \$40,000. Los Angeles, Cal. Architect, none. Owner, Page Military Academy. Contractor, Fred Siegel, Haas Bldg., L. A. Contract price, \$40,000.

SCHOOL—2 story and base, brick, \$50,340. Colton, San Bernardino Co., Cal. Architects, Allison & Allison, Hibernian Bldg., L. A. Owners, City of Colton. Contractors, Nance &

Phelps, 9th and Central avenue, L. A.
Contract price, \$50,340.

State Opens Bids For Patton Works.

All Bids Received For Superintendent's
Residence at Southern State Hospi-
tal Are Above Appropriation.

(By Special Wire.)

SACRAMENTO, CAL., March 1st, 1915
—Bids were opened today by the State
Board of Control for constructing a
residence for the Superintendent of the
Southern California Hospital at Patton.
The building will be a two-story and
basement frame and plaster building.
John Mulder of Los Angeles submitted
the lowest bid at \$10,143, but his check
did not call for the required ten per
cent of the bid and for this reason it
may be rejected. All bids were above
the amount available. Following is a
complete list of the figures:

Superintendent's Residence.

John Mulder	\$10,143.00
John Harnish Co.....	10,200.00
C. M. Jordan.....	10,763.00
L. G. Burgren & Son....	10,722.00
The Kling Co.....	10,777.00
C. H. Hoyt.....	11,409.10
Cresmer Mfg. Co.....	11,566.00
Columbus A. Williams...	11,700.00
Willard Crent Co.....	11,950.00
Hitzel, Wingete Co.....	12,450.00
Sommers & Land Co.....	16,936.00

PORTLAND AND OREGON

APARTMENT HOUSE—4 story and
base, brick and steel, \$40,000. Port-
land, Ore. Architects, Jacobberger &
Smith, Board of Trade Bldg., Portland.
Owner, E. A. McGrath. The building
will be erected at the corner of Park
and Taylor streets, and will cover an
area of 50 by 100 feet. The building
has been designed to contain a num-
ber of two and three room apart-
ments. Interiors will be finished in
pine and hardwood. There will be
wall beds and private bath rooms.
Plans provide for steam heat, elevator
service and hot water system. Dumb
waiters will be installed. Bath rooms
will be finished in tile. Marble and
tile wainscot will be used in the en-
trance. Exterior of the building will
be faced with pressed brick. Plans
will be out for figures in a week or
ten days.

RESIDENCE — 2 story and base,
brick and hollow tile, \$30,000. Port-
land, Ore. Architect, Earl A. Roberts,
Selling Bldg., Portland. Owner, J. H.
Henry. The dwelling will be erected
on the Cornell road, and has been de-
signed to contain 12 rooms and several
baths. A separate garage will be
erected as well as other out buildings.
Interior will be finished in pine and
hardwood with white enamel in the
bed rooms. Hardwood floors will be
used in the principal rooms. There
will be a central heating system, hot
water supply and vacuum cleaning.
Bath rooms will be finished in tile. Ex-
terior of the house will be covered
with cement plaster. Plans are now
being prepared.

SEATTLE AND WASHINGTON

LEACHWAY CONSTRUCTION, \$150,-
000. Seattle, Wash. Engineer, County

Surveyor Denton, Seattle. Owners,
King County. Plans are now ready
in the office of County Engineer Den-
ton for the construction of both the
Renton-Issaquah road and the Au-
burn-Enumclaw road, totaling a dis-
tance of practically 30 miles and cost-
ing \$150,000. The road between Ren-
ton and Issaquah will be about 10
miles long and cost \$80,000, and the
road between Auburn and Enumclaw
about 20 miles long, costing \$75,000,
both making the largest contracts for
county road work let so far this year.
It has been decided to open bids on
the Auburn-Enumclaw road at 10 a.
m. March 29th and on the Renton-
Issaquah road at 2 p. m. the same date.

Contracts Awarded.

BRIDGE—Lift span, steel and con-
crete, \$1,505,063. Seattle, Wash. En-
gineer's name not given. Owners,
States of Washington and Oregon. The
following awards have been made on
the construction of the interstate
bridge between Vancouver, Wash., and
Portland, Ore., all figures being for
lift span. Contract 1, furnishing su-
perstructure, U. S. Steel Products Co.,
\$417,316. Contract 2, erection of su-
perstructure, Porter Bros., \$99,829. Con-
tract 5, Superstructure Col. and Ore-
gon Slough, Northwest Steel Co., \$89,-
140. Contract 6, erection superstruc-
ture, Porter Bros., \$18,586. Contract 7,
sub-structure Col. span, Pacific Bridge
Co., \$319,415. Contract 9, substructure
Col. and Oregon Slough, Pacific Bridge
Co., \$119,759. Contract 10, embank-
ments, Tacoma Dredging Co., \$158,214.
Contract 11, slabs and paving, Warren
Construction Co., \$82,802. Total, \$1,-
305,063. All bidders are from Portland
with the exception of Tacoma Bridge
Co. Bids for contract No. 12 for pave-
ment on embankments were rejected.

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West Coast Wire

& Iron Works

Arch. Sheet Metal

Works.

S. F. Metal Stamp-

ing & Corr. Co.

U. S. Metal Prod-

ucts Co.

Arch. Terra Cotta.

Calif. Pottery Co.

Carnegie Brick &

Pottery Co.

Clark & Sons, N.

Diamond Brick Co

Gladding - Mc-

Bean Co.

McNear Brick

Steiger Terra Cot-

to Co.

United Materials

Co.

Art Ceilings.

Berger Mfg. Co.

Art Glass.

Grosslicht & Din-

nien

Pioneer Plate &

Window Glass

Co.

Schwarz & Gott-

lieb

Artistic Plaster

Decorations.

Benkman, Ed. G.

Binner Theodore

Larson, O. F.

Lipp & Co., I. P.

Co.

Asbestos Materials

Johns - Manville

Co., H. W.

Magnesia Asbes-

tos Supply Co.

Western Asbestos

Magnesia Co.

Western Builders'

Supply Co.

Asphalt & Bitum-

inous Paving.

Nugent, Robinson

Attorneys.

Aitken & Aitken

Perkins, Geo. R.

Auto Delivery.

Federal Transfer

& Dray Co.

Peerless Motor

Dray Co.

Star Con. Co.

Automobile

Supplies.

Burgers, Fred W.

Knowles, T. C.

Boilers.

Peerless Agencies

Company.

Boiler & Pipe Cov-

ering.

Johns - Manville

Co., H. W.

Lewis, W. S.

Magnesia Asbestos

Supply Co.

Western Asbestos

Magnesia Co.

Bonds & Insurance

Agency Company

Aetna Life Ins. Co.

Brown, Carl G.

Costello & Cutler

Glass, Samuel

Guyett & Co., R.

G.

Hayburn, Jas. C.

Illinois Surety Co.

Hughes, Chas. T.

Kohlberg, A. M.

Lloyd & Spengier

MacMeans, H. V.

Meherin & Son,

Mark M.

Pacific Coast Cas-

ualty Co.

Schnee, Gustave

Schweinhart, G.

W.

Webster Co., Per-

cy V.

Brick Contractors

Anderson & Rai-

ney

Alexander, Robt.

Beagle, S. A.

Buckley, Jos.

Collin, Jean

Drake, H. L.

Finnila, M. A.

Gilbertsen, L.

Hogberg & Lud-

wig

John, F. A.

Koldenstrodt, F.

Mealey & Collins

Reed & White

Morser, E. J.
Peterson, P. O.
Priddle, Arthur
Walker, J. M.
Church

Floors, Composition.

Artolith Mfg. Co.
Bender R.&P. Co.,
J. W.
Dwan Co., J. E.
Fibrestone &
Roofing Co.
Flaherty R. & P.
Co., R. H.
Malott & Peterson

Floors, Hardwood

Hardwood Int. Co
Inlaid Floor Co.
Pac. Floor Sand-
ing Co.

Galvanized Iron.

Baker & Hamil-
ton
Berger Mfg. Co.
Gas Fixture,
Day Co., Thomas

Gas Heating Sys- tems.

Reactor System
Gas Heating Co

Gasoline Tanks & Pumps.

Brown, F. R.
Blaisdell Mch'y.Co.

Glass & Glazing.

Cal. Plate & Win-
dow Glass Co.
Friedman Bros.
Fuller Co., W. P.
Grosslicht & Din-
nane

Habenicht &
Howlett

Mission Plate &
Window Glass Co.

Pioneer Plate &
Window Glass Co.

Schwartz & Gott-
lieb

Grading.

Branick, J. P.
Carlin Bros.
Cassaretto, John
DeVincenzi & Co.,
L.

Dillon Teaming
Co.

Federal Transfer
Co.

Glorgi Co., G.
Hartnett J. D.

Harbor View
Contract Co.

Hule Co., E. M.
Lennon Co., J. E.

Leifer, Fred
McGlinchey &
Monahan

Montague Co., P.
O'Day Co., Dan'l

O'Donnell, Philip
Powers, Chas. J.

Bibley Grading &
Teaming Co.

Star Con. Co.
Wright Co., J. H.

Granite Curbing.

Graham Granite
Co.

Lead Granite Co.,
W.

Pacific Granite Co.
Tronoff, John

Gravel.

Bay Devel. Co.
Cal. Building Ma-
terial Co.

Cassaretto, John
City Supply Co.

Standard Crushed
Rock Co.

Star Contracting
Company

Stone Co., E. B. &
A. L.

Hardwood Deal- ers.

Inlaid Floor Co.
Hardwood Inte-
rior Co.

Union Floor Co.

Wood Lumber Co.,
E. K.

Hd'ware, Dealers.

Baker & Hamil-
ton
Bennett Bros.
Kruse, J. H.

Joost Bros.
Meyer, Adolph
Norman & Sons,
F. G.

Palace Hd'ware Co
S. F. Hd'ware Co
Smith Co., P. A.

Heating & Venti- lating.

Atlas Heating &
Ventilating Co.
Klarnan & O'Brien

Hurley Co., J. C.
Lawson, Herman
Looney Co., J.

Mangrum & Otter
Snook & Co.,
Fred W.

Torrid Zone Fur-
nace Co.
Turner Co., The
Wilson, Robt. M.

House Movers & Raisers.

Hatch, H. L.
Pearson, N. H.
Sullivan, D. J.&T.

Hoisting Engi- neer.

Le Clair, S. D.

Inlaid Floors.

Hardwood Inter-
ior Co.
Inlaid Floor Co.
Pac. Floor Sand-
ing Co.

Interlocking Tile Blocks.

California Deni-
son Block Co.
Iron Foundry.

Steiger & Kerr,
Stove & Found-
ry Co.

Iron & Steel.

Baker & Hamil-
ton
Dawson & Noyes
Judson Mfg. Co.

Pacific Coast Steel
Company.
Trussed Concrete
Steel Company.

Woods & Huddart

Iron Works.

Brode Iron Wks.
Dyer Bros.
Eureka Wire &
Iron Wks.

Golden Gate Iron
Works

Hillard Co., C. J.

Kell Iron Works

Michel & Pfeiffer

Monarch Iron
Works

Pacific Iron Wks.

Pacific Structural
Iron Works.

Ralston Iron
Works

S. F. Iron Works

Sartorius Co.

Schraeder's Iron
Works

Steiger & Kerr
Stove & Found-
ry Co.

Vulcan Iron Wks.

West Coast Wire
& Iron Works

Western Iron
Works

Joint Hangers & Post Caps.

Falls Mfg. Co.

Pac. Bldg. Mate-
rials Co.

Roman Co., C.

Waterhouse &
Price Co.

Western Bldg.
Supply Co.

Lathers, Wood & Metal.

Balzke, Robt.

Edwards, C. H.

Hayden, Fred

Kaiser, Jos.

McAbee, E. T.

Raymond, Wm. H.

Snell, Ralph L.

Lighting Fixtures
Day Co., Thomas
Mohillite Co.

Lime & Plaster Dealers.

Arden Plaster Co.
Cal. Lime & Hy-
drate Co.

Cowell Lime &
Cement Co.

Guerlin & Co., J. S.

Lennon Co., J. E.

Pacific Portland
Cement Co.

Western Lime &
Cement Co.

Lumber Dealers.

Acme Lumber Co.
Christenson Lum-
ber Co.

Columbia Lumber
Co.

Doe Co., Frank P.

Excelsior Red-
wood Co.

Hardy Lumber Co.

Hart-Wood Lum-
ber Co.

Hauptman Lum-
ber Co.

Kruse Co., J. H.

Hooper Lumber Co

Higgins Lumber
Co., J. E.

Loop Lumber Co.

MacDonald Lum-
ber Co.

Moore Mill and
Lumber Co.

Oakley, —

Olson — Mahony
Lumber Co.

Peterson, E. T.

Pope & Talbot

Reinhart Mill &
Lumber Co.

Ryan, George

Santa Clara Val-
ley Mill & Lum-
ber Co.

Santa Fe Lumber
Co.

S. F. Lumber Co.

Schouten & Co., J.
W.

Sunset Lumber Co.

Tierman & Beronio

Van Arsdale-Har-
ris Lumber Co.

Wilson Bros. & Co.

Wood Lumber Co.,
E. K.

Wright, Jr., Wm.

Magnesite Floor- ing.

Artolith Mfg. Co.

Bender R.&P. Co.

Dwan & Co., J. M.

Fibrestone &
Roofing Co.

Flaherty R.&P.Co
R. H.

Goodmanson, A. K.

Malott & Peter-
son

Watsonite Co.

Mantels, Tiles & Grates.

General Building
Work Co.

Ginsberg Bros.

Mangrum & Otter

Peerless Agencies
Co.

Marble and Mosaic Work.

General Building
Work Co.

Gnecco, M. H.

Grassi & Co., P.

Mission Concrete
& Mosaic Wks.

Mission Marble
Works.

Musto Sons-Kee-
nan Co.

New Era Marble
& Concrete Co.

Teltz, Francis E.

Tomagnini & Co.,
G.

Vermont Marble
Co.

Metal Lath.

Atlantic Fire-
proofing Co.

Berger Mfg. Co.

Holloway Metal
Lath Company.

Waterhouse &
Price

Western Builders'
Supply Co.

Metal Stamping

S. F. Metal Stamp-
ing & Corr. Co.

U. S. Metal Prod-
ucts Co.

Notary Public.

Duncan, A. M.

Oils and Greases.

Standard Oil Co.

Union Oil Co.

Ornamental Plas- tering.

Benkman, Ed. G

Binner, Theodore

Larson, O. F.

Lipp & Co., J. P

Painters and Dec- orators.

Baker Co., W. T.

Bell, Wm. J.

Bernstein, Wm.

Blum, Louis

Brown, J. L.

Burns Bros

Clark & Dickson

Cramer Bros.

Conlin, J. J.

Cornick, T. W.

Dahl, T. H.

Donovan, V. J.

Hansen, Elbing A

Johnson, C.

Kissel, Isidor

Miller, L.

Miller, J. A.

McCubbin, James

Manning, John

Neal, L. J.

Progressive

Painting Co.

Quandt & Son

Ruderman, I.

Simon Neilson Co.

Smith, J. S.

Sovig, C. B.

Trost, C. R.

Walk, Mayer

Wagner, Fred

Wagner Bros.

Zelnsky, R.

Paints, Oils Varn- ishes, Etc.

Clark & Dickson

Cohn & Co., Mar-
ion D.

Fuller Co., W. P.

O'Brien, J. S.

Paint Products

Corporation

Paraffine Paint Co

Pratt & Lambert

Whittier - Coburn
Co.

Patent Chimneys.

Clawson Co., L. E.

Dresser - McDon-
Hughes, H. J.

Pile Driving.

Lamburth, C. E.

Paving Brick.

Cal Brick Co.

Planing Mills.

Acme Plgn. Mill

Anderson Bros.

Atlas Planing

Mill Co.

Builders' Supply

Depot

Cal. Door Co.

Cal. Planing Mill.

Emmanuel, L. & E.

(Inc.)

Empire Planing

Mill

Hart & Burmels-
ter

Herman, A.

Herring's Mill

Holden - Denprey
Co.

Lorden Mill Co.,
J. P.

Main St. Planing

Premus Planing

Mill

Reinhart Lumber

& Planing Mill

Ryan, George

San Mateo Plan-
ing Mill

Santa Clara Val-
ley Mill & Lum-
ber Co.

Spencer St. Plan-
ing Mill

Taylor & Co.

Western Planing
Mill

Veyhle & Collins

Plasterers.

Bosch, Herman

Bradley & O'Reilly

Brennan, James

Campbell, Chas

Campbell & Will-
iams

Connel Co., J. E.

Daly, J. H.

Structural Steel Contractors.

Brode Iron Wks.
Dwer Bros.
Golden Gate Iron Works
San Francisco Iron Works
Ralston Iron Wks
Vulcan Iron Wks.

Surveyors.

Morser, E. J.
Quimby, L. S.
Wetherell, Chas E

Teaming & Grading.

Branick, J. P.
Blanchini, G.

Federal Transfer & Draying Co.
Carlin Bros.
Devenenzi & Co., L.

Dillon Teaming Co.

Federal Transfer & Draying Co.
Harbor View Contract Co.

Hule Co., E. M.

Lennon Co., J. E.

Lefler, Fred

McGlinchey & Monahan

Montague Co., P.

O'Day Co., D.

Powers, Chas. J.

Sibley Teaming & Grading Co.
Star Contracting Co.
Wright Co., J. H.

Tiling.

Cal. Tile Contr. Co.
Ginsberg & Co., S.
Mangrum & Otter
Peerless Agencies Co.

Vacuum Co.

Bill & Jacobson

Hughson & Merton Co.

Schaer Bros.

Stevens Co., Frank A.

Hyde Henry C.
United Elec. Co.
Wall Beds.
Marshall - Stearns Co.

Water Company.
Spring Valley Water Works.

Whitewashing
Brickley, P. J.
Reigle & Jamelson
Taylor, L. A.

Window Cleaning.

American Window Cleaning Co.

Windows. Patent.

Simplex Window Co.

Central Electric Co.
City Electric Co.
De Lew, M. A.

Decker Electric Co

Globe Elec. Co.

Levy Elec. Co.

Elevators.

Otis Elevator Co.

Van Emon Elevator Co.

Fibre.

S. F. Fibre & Cordage Co.

Fireproof Doors.

Norris, L. A.

U. S. Metal Products Co.

Floor Sanding

Inlaid Floor Co.

Pacific Floor Sanding Co.

Grill Work.

Cal. Art Metal & Wire Works.

Merle Co., A.

Sartorius Co.

Withington, C. W.

Gen. Contractors.

Andrus, R. C.

Brigham, H. B.

Brockhage, Foley & Green

Caldwell & Co.

Cereghino & Son, Louis

Currie & Currie

Dempick Bros.

Farquharson, D. B.

Fluth, J.

Fraser & Fraser

Graham, D. E.

Griffith, Wm.

Hannah, J. D.

Hannah & Co. J.S.

Jackson, A.

Kuykendall, J. O.

Malley, Edward

Mathies, Henry

Peacock, John

Schnebel, Host-trawser & Ped-griff

Glass and Glazing.

Cal. Plate & Window Gass Co.

Cohen, I.

Cobbledick-Kibby

Glass Co.

Friedman Bros.

Fuller, W. P. & Co.

Habenicht & Howlett

Holland, J. P.

Schwarz & Gottlieb (Inc.)

Grading & Teaming.

Dillon, D.

Eureka Teaming Co.

Fay, S. J.

Greenwalt, C. J.

McClure, H. N.

Wilhelm, A. H.

Wilkie Co., A.

Williams, F. A.

Wright, Chas.

Monarch Teaming Co.

Sibley, L. B.

McLenehan, S. B.

Granite.

Bradbury, Thos.

Cal. Granite Co.

De Lano & Sons, I. L.

Hunt, A. T.

Raymond Granite Co.

Hardware.

Joost Bros.

Kruse, J. H.

Lorenz, Schffaeer & Co.

Meyer, A.

Palace Hdw. Co.

Heat and Light.

Pacific Gas and Electric Co.

Heating & Ventilating.

Burnham Plumbing & Heating, Inc.

Cronan, Wm.

Mangrum & Otter

Montague, W. W. & Co.

House Moving & Raising.

Blum, Cont'g Co.

Pearson, E. K.

Sullivan, D. J. & T.

Inlaid Floors.

Hardwood Interior Co.

Inlaid Floor Co.

Pacific Floor Sanding Co.

Iron Works.

Lorenz, Schffaeer & Co.

Michaels & Pfeiffer

Monarch Iron Works.

Pacific Rolling Mill Co.

Pacific Struc. Iron Works.

Joist Hangers & Post Caps.

Kortick - Falls Mfg Co.

Lilley & Thurston Co.

Lorenz Schaffer & Co.

Western Builders' Supply Co.

Kawneer System Store Fronts.

Falls Mfg. Co.

Lilley & Thurston Co.

Light and Power

City Electric Co.

Pac. Gas & Electric Co.

Lime, Cement, Etc

Acme Cement

Plaster Co.

Arden Plaster Co.

Cowell Lime & Cement Co.

Holland, J. P.

Holmes Lime & Cement Co.

Lennon, Jas. E.

Lucas, W. E.

Pacific Bldg. Material Co.

Pac Lime & Plaster Co.

S. F. Lime Co.

Shasta Lime Products Co.

Western Building Material Co.

Western Lime & Cement Co.

Lumber.

Acme Lumber Co.

Christenson Lumber Co.

Hardy, Jas. H., Inc

Hart-Wood Lumber Co.

Humboldt Lumber Co.

Hauptman Lumber Co.

Hooper Lumber Co.

Kruse, J. H.

Loop Lumber Co.

Macdonald Lumber Co.

Moore, R. B. Mill & Lumber Co.

National Mill & Lumber Co.

Olsen Mahoney Lumber Co.

Pope & Talbot.

Santa Fe Lumber Co.

Schouten Lumber Co.

Tiernan & Bernis

Van Arsdale-Harris Lumber Co.

Wilson Bros. & Co.

Doe Co., F. P.

Lumber (Hardwood.)

Dieckmann & Co.

Howard, E. A. & Co.

Niehaus, Ed. F. & Co.

White Bros.

S. F. Lumber Co.

Machinery.

Harron, Rickard & McCone.

OFFICIAL LIST OF MEMBERS**BUILDERS' EXCHANGE**

OF SAN FRANCISCO

180-188 JESSIE STREET

PHONE KEARNY 4700

OFFICERS AND DIRECTORS.

President, H. Maundrell.
Vice-President, E. J. Brandon.
Treasurer, C. W. Withington.
Secretary, R. J. H. Forbes.

Financial Secretary, S. A. D. Schenck.
Ass't Secretary, W. J. Carberry.
Doorkeeper, B. R. Wolcott.

DIRECTORS

H. Maundrell
E. J. Brandon
C. W. Withington
R. J. H. Forbes

R. A. Chisholm
Robert Dewar
Alexander Mennie
James Young

Chas. McDonzell
Fred P. Fischer
J. D. McGilvray

MEMBERS.**Architectural Iron Works**

Acme Iron Works.
Bay City Iron Works.
Brode Iron Works
Central Iron Wks.
Dyer Bros.
Eureka Iron Wks
Kell Iron Works
Kortick - Falls Mfg Co.
G. G. Structural Iron Wks.
Hillard, C. J. Co.
Judson Mfg. Co.
Mortenson Cons. Co.
Michaels & Pfeiffer
Phoenix Iron Wks
Ralston Iron Wks
Lorenz Schaffer & Co.
Schneider Iron Works.
St. Francis Orn. Iron Works
Steiger & Kerr
Stove & Foundry Co.
Vulcan Iron Wks.
Western Iron Wks
Withington, C. W.

Art Glass.

Ingerson & Glaser Co.

Blacksmith.

Paul Kleiber

Bonds.

Costello, J. T.
Aetna Life Ins. Co
Boole, F. W.
Empire State Surety Co.
Fidelity & Deposit Co. of Maryland
Gais, M. A.
Guyett & Co., R. G.
Hillman & Son, J. R.
Jones, Edward M.
Lawton, A. F.
Lloyd & Spengler
MacMeans, H. V.
Pacific Coast Sash & Lumber Co.
Perley, A. E.
Smith, Leo J.
United States Metal Products Co.
United States Fidelity and Guaranty Co.

Brick and Pottery.

Bay Development Co.
Cal. Brick Co.
Carey, J. E.
Carnegie Brick & Pottery Co.
Carquinez Brick & Pottery Co.
McNear Brick Co., E. B.
Peterson - Kartschoke Brick Co.
Remillard Bk. Co
Sacramento Trans. Co.
Steiger T. C. and Pottery Wks.
Thermos Brick Co

Building Material.

California Building Material
City Supply Co.
Fernald Co., The
Kortick - Falls Mfg Co.
Holland, J. P.
Howard Co.
J. E. Lennon.
Johns-Manville Co
Pacific Bldg. Material Co.
Pacific Refining & Roofing Co.
Parrott & Co.
Paraffine Paint Co
Pratt Building & Material Co.
United Material Co
Waterhouse & Price Co.
Western Bldrs' Supply Co.

Cement Dealers

Balfour, Guthrie Co.
Cowell Lime & Cement Co.
Holmes Lime & Cement Co.
Holland, J. P.
Maynard, Jr., J. L.
Meyer, A.
Pacific Portland Cement Co.
Western Building Materials Co.
Standard Portland Cement Co.

Clay Products.

Cal Brick Co.
Stanquist, Edward

Concrete.

Chase, Silas A.
Camp & Carillon.
Dunawayson, Harrelson Co.
Foster & Vogt.
Goodman Artificial Stone Co.
Haun, C. C. W.
Leonard, J. J.
Lynch, A.
Pasqualetti, J.
Peterson, H. L.
Sartorio, Charles
Stanquist & Forbes
Zimmerman, L. M.

Concrete Reinforcement.
Pacific Building Material Co.

Contractors & Builders.

Allen, Alex. M.
Anderson, W. W.
Arthur, L.
Boring, F. H.
Born & Son, S. A.
Brady, C. A.
Braunton Bros.
Burdick, Wm. A.
Caldwell & Co.
Cameron & Diss-ton.
Cavanaugh, Thos. A.
Chisholm, R. A.
Cobby, J. W.
Coburn, I. W., Inc.
Conannon, W. N.
Conrad, H.
Cregghino & Son, Lewis
Davis & Son, T. E.
Dewar, R. & Son.
Elam, Thos. & Son
Elliot, E. W.
Fahy, R.
Fischer, Fred.
Franz, Val.
Gillespie, G. G.
Gallagher, Frank.
Gardiser, Florent.
Greig, Robt.
Hansbrough Bros.
Healey - Tibbits Con Co.
Hinson, L. A.
Hill, J. A.
Holm & Son.
Howkins, A.
Ingerson, C. A.
Jacks, H.
Jones, Paul
Jones, W. G.
Kent, S. H.
Knowles & Reichley.
Leter, E. T. & Sons.
Lynch, M. C.

Masow & Morrison
Mathews Con. Co.
Mathies, H. C.
McBain, J.
McKillican, R and Wm.
McLachlan, Thos.
Miller, Adam.
Moller, R. W.
Morey, H. B. & Son
Owsley, B. T.
Penny, Isaac.
McLeran & Peterson.

Robinson & Gillespie.
Simmen, John.
Smith, J. W. & Son
Spence, A. T.
Stockholm & Allyn.
Terrill, G. C.
Vezina, L. N.
Wardwick, H. C.
Buller, Thos.
White Bros. (carpenters).

Cornice Works.

Amsler, C. S.
Berger Mfg. Co.
Capitol Sheet Mtl. Works.
Comyns & Childers.
Conlin, J.
Cronan, Wm.
Forreder Cornice Works.
Gulfovy Cornice Works.
Appmann Cornice Works.
Heldt, Wesley.
Morrison & Clark.
S. F. Cornice Co.
Western Furnace & Cornice Wks.

Contracting Lather.

Hayden, Fred
Lynch, Richard
Snell & Dennis
Raymond, W. H.
Curbing, Granite.
McLenehan, S. B.

Damp Proofers.
Brickley, P. J.
Reigle & Jamison

Door Openers.

Rischmuller, Geo.

Electrical.

American Electrical Engineering Co.
California Electrical Works.

Masons & Builders
 Alexander, R.
 Allen, C. J.
 Anderson & Ral-
 ney.
 Arlett, A.
 Beck, A.
 Brady, M. V.
 Brady, O. E. & Son
 Brandon, E. J.
 Brennan, J. E.
 Brigham, H. B.
 Butcher, Thomas
 Byron, D. J. & Son
 Campbell Bros.
 Carr, J. W.
 Drake, Harry E.
 Downey, J.
 Farrell & Reed
 Fennell, Jas.
 Gale, M. F. & Son
 Gilson, J. E.
 Harrison, A.
 Hibbins & Barker
 Hock, Chas.
 Hoffman, V.
 Hogberg & Lud-
 wig
 Larsen, H. H.
 Lawson, A. W.
 McGowan, M.
 Miller, J. W.
 Murray & Mow-
 bray.
 Mulcahy Bros.
 Nagel, W. L.
 O'Connor, J. J.
 O'Rourke, T. F.
 Scott Co.
 Rainey & Phil-
 lips.
 Reed & White
 Ringrose, R. & Son
 Scott, W. S.
 Walker, P. J.
 Watson, Sidney
 Whitney & Davies
 Wilson, James A.
 Wygant, J. H.
Marble.
 American Marble
 & Mosaic Co.
 Columbia Marble
 Co.
 Russell, Peter, Co.
 Hunt, Andrew T.

Malno, F. L. & Co.
 Musto & Sons, Jos
 Keenan Co.
 Vermont Marble
 Co.
Mantels, Tiles
Grates.
 Ginsberg & Co., S.
 Holloway Ex-
 panded Metal
 Co.
 Kirwin & Dono-
 van.
 Mangrum & Otter
 Montague & Co., W
 Peerless Agencies
Metal Furring &
Lathing.
 Holloway Ex-
 panded Mtl Co.
 Lynch, H. T.
 National Lathing
 and Furring
 Northwestern Ex-
 panded Metal
 Co.
Metal Window
Works.
 Dwan, J. E.
 U. S. Metal Prod-
 ucts Co.
Mortar.
 Atlas Mortar Co.
Mosaic.
 Amer. Marble &
 Mosaic Co.
 Malno, F. L. & Co.
Office Fixtures.
 Bateman, Wm.
 Forbes & Son, A. J.
 Fink & Schindler
 Co.
 Simmen, John
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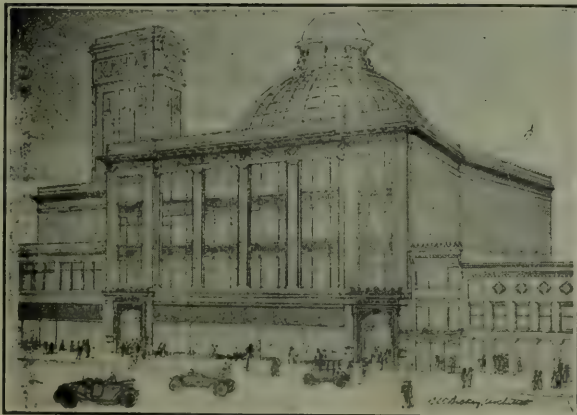
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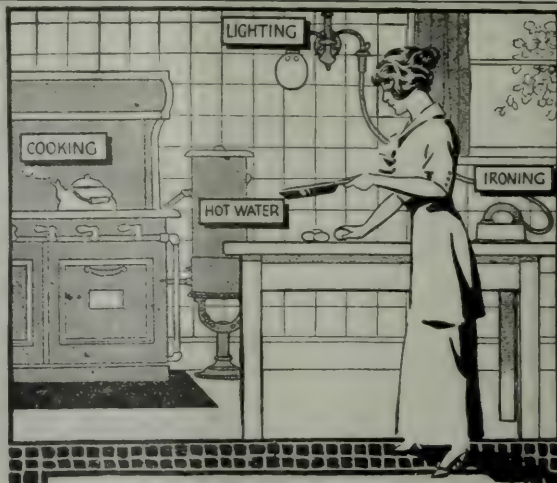
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San Francisco, March 17, 1915

Fifteenth Year, No 11

Editorial Comment.

Judge Elbert H. Gray, President of the Steel Trust, at Pittsburg the other day laid down the following seven "success rules" for American boys:

1. Be honest, frank and sincere.
 2. Be considerate.
 3. Work to acquire a good education.
 4. Be consistent in looking after physical and moral health.
 5. Be honorably ambitious.
 6. Be patriotic, but don't criticise other nationalities.
 7. Practice the Golden Rule.
- Those are very, very excellent rules for the guidance of youth.

But it might spoil all the good effect of such instruction if the lads even thought of following the teachings by patterning after the teacher.

For the Steel Trust—and all its kindred, for that matter—amassed its enormous wealth, built up its gigantic power, by completely ignoring Rules 1 and 7.—Sacramento Bee.

President William Sproule of the Southern Pacific Company, is reported to have said that the Exposition furnishes the acid test for the people of the State. That the railroads have done their part in reducing the rates, but that if the hotel keepers gouge the tourist California will not make a favorable impression. All of which is true and requires no ghost to come from the grave to verify it. The landlords in San Francisco are taking advantage of the situation to boost rents and the result will be that there will be a lot of empty flats and apartments after the fair, or the bottom will fall out of the whole thing. The hotel men should stick to a reasonable rate. The ultimate result will be better for themselves and infinitely better for the City and State.

There are thirty-six charter amendments to be voted on next Tuesday. It is certainly a thing to keep a person occupied to keep abreast of all the proposed legislation that comes up for consideration. One thing seems to be necessary and that is to increase the power to levy taxes beyond the dollar limit, otherwise we will not be able to get along or pay the indebtedness already incurred. Most of the other amendments are questions upon which the individual voter has his own opinions. In view of coming expenses the city should be careful of what obligations it incurs.

Some of the reasons that the advocates of the purchase of the Spring Valley Water Company give, and among those given by the Advisory Committee are that the growth of San

Francisco will be permanently impeded if the property is not purchased, that building has already reached its limit in many sections and that Spring Valley is now furnishing its maximum amount of water under its present rate and can not further extend its service unless it raises its rates to pay for the additional outlay.

Now this may or may not be true. And right here is where the people have had just cause to complain of the City Attorney's office for never doing anything or getting anywhere. Spring Valley has always maintained that it could furnish no more water for residents of the Richmond District. At the same time it has gone right ahead and furnished water to the new residences that are yearly being built there in great numbers. The residences on the higher elevations out there can get no water in the evening or when the service is generally in use, yet a man with half an eye and no brains at all can see that it could be easily remedied by building a small reservoir tank somewhere in the district that would fill up when the pressure was on and the water not generally being used. And so far as the argument goes and the fact that the city would have to compete with the present company the Spring Valley Water Company would be in as bad a condition as the city for such competition ultimately wipe out the value of its physical properties outside of its lands. The implied threat that we must either buy Spring Valley or face a law suit or a water famine is not good argument, for it also seems to imply that the person who makes the threat is using it as a lever to boost the price. The only argument that should be used is whether or not it is right for the city to purchase the water company at the price for which it is offered, or if it is the best thing to be done under the circumstances. If the advisory water committee have correctly and competently advised us the voter should vote yes. If they have not then the burden of the responsibility rests upon the committee for \$150,000 of the tax payers' money has been spent to make this report and the information secured should be complete and first hand. Owing to vast consequences of the city's decision in this matter and the responsibility involved in the undertaking it is fair to assume that the committee have competently and completely investigated the subject and that their report can be relied upon.

More than \$100,000 will be spent on the fireworks display at the Exposition. Demonstrations in conjunction with the great electric Scintillator are given four nights a week. Each demonstration costs about \$1,000.



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The Relation Of The Workmen's Compensation, Insurance and Safety Act To Municipalities.

By Col. Harris Weinstock, Member of
the Industrial Accident Commission of the State of California.

Mr. President and Gentlemen: I want to express my appreciation of the very kind words that your chairman has used in introducing me to this audience. I hope you do not think I coached him to say those things, because that sometimes is rather hazardous. They tell a story of my old friend Jacob Riis of New York, whom many of you doubtless know of, whom a great leader of thought among us declared to be one of the most useful citizens in New York. In fact, Mr. Riis told this story at his own expense. He was about to deliver a lecture, when he was accosted by one of the committeemen, who said to him, "Mr. Riis, I am about to introduce you to the audience. What shall I say about you?" "Oh," said Mr. Riis, jokingly, "say anything — say I am the most distinguished man in America." You can imagine Mr. Riis's consternation and embarrassment when the committeeman arose and, addressing the audience, said, "Ladies and gentlemen, I don't know very much about the man who talks to us tonight, but he tells me he is the most distinguished man in America." (Laughter.) The story is also told of an Australian who was in London delivering an illustrated lecture upon the wonders of Australia, and presently he threw upon the screen a picture of a kangaroo, and he said, "Ladies and gentlemen, this is a native of Australia," whereupon an old Irish lady threw up her hands in consternation and broke out, "What you say—that a native of Australia? Great God, and my daughter is married to one." (Laughter.)

Since I have been connected with the Industrial Commission of California, I have discovered that Australia is not the only place nor the only thing concerning which there are heaps of ignorance lying around loose. I discovered especially, in the earlier history of the working of the Act, that there was the most downright ignorance concerning the Workmen's Compensation Act and its aims and its hopes and its trusts, and more especially so among the employers of the State. I found the greatest conceivable hostility toward this piece of legislation, and I have found that this hostility was intensified and aggravated by the attitude of the press that were hostile to the present administration, the so-called Johnson administration. For example, the "Los Angeles Times," edited by General Otis, came out with great big headlines while this measure was before the Legislature, denouncing it as the industrial paralysis act, and forecasting that, in the event of its being enacted, it would keep millions of capital away from California, and that it would paralyze the industries of California, because it would put upon them a burden that the industries would be unable to carry. Those were the forecasts. What are the results? I have in my hand a clipping from a Los Angeles paper. Among the bitter-

est opponents of this piece of legislation were the members of the Manufacturers' and Merchants' Association of Los Angeles, whose minds had become poisoned by part of the Los Angeles press that was against anything and everything that the administration did. Recently there was a meeting held in Los Angeles, and a brief report of their meeting says, in substance: Capital and labor representatives met in Los Angeles yesterday and endorsed the Workmen's Compensation, Insurance, and Safety Act, and have pledged their support to the efforts of the State Industrial Accident Commission to carry it out. The Secretary of the Merchants' Association said that when this measure became a law, it was universally feared by employers, but that it has worked out so satisfactorily that now not more than 2 per cent of the employers are opposed to it.

What a wonderful change in so brief a period of time! If you recall, as doubtless many of you do, it was denounced as a piece of freak legislation, formed by a freak Governor, and passed by a freak Legislature. Well, if that sort of legislation stamps the Governor as being a freak Governor, he has the rare privilege of being in most excellent company. He finds himself in the company of the world's wisest and most progressive statesmen.

Some of you doubtless have given this Workmen's Compensation Act considerable thought and study, and there may be others among you who have not had the time nor the opportunity to thoroughly grasp its purpose. For the information of such of you as have not, I just want to briefly sketch the story of workmen's compensation.

For hundreds of years, the manufacturer and the employer treated as a part of the cost of production the wear and tear of machinery, the wear and tear on his tools. If the wear and tear on machinery and tools, represented, say, 5 per cent, that 5 per cent was added onto the cost of the output being produced, and was treated just as was the raw material, and just as was the labor, that had gone to the consumer. But when it came to the wear and tear on the human machines, the employer sharply drew the line and permitted the burden to be borne by him who could least afford to carry it, and that was the worker himself, who, as a rule, lived on the ragged edge, and when an accident happened that robbed him of his life, the burden fell upon his descendants, and frequently they were made objects of charity.

Germany's greatest statesman, and perhaps the greatest statesman that modern times has seen, Bismarck, was the first of the world's big men to see the injustice and the inequity and the iniquity of that system, and he worked out what has since been known as the Workmen's Compensation Act. Start-

ing on the theory that the loss through industrial accident should not be borne by the worker, but should be treated precisely as the wear and tear on machinery or the wear and tear on tools, and should be borne by the industry itself, he put the theory into practice.

That Bismarck was wise and far-seeing has since been demonstrated by the fact that, today, every country in Europe except Turkey is working under workmen's compensation, and Turkey is not working under it simply because it is still living in the Middle Ages, and also because it is not an industrial country, being primarily a pastoral and agricultural country.

The beneficent result of workmen's compensation in Europe was so pronounced that the spirit has spread over this country as well. Within the last eight or ten years, twenty-five American States have adopted compensation. Governor Johnson and the people of California are entitled to no credit for having initiated workmen's compensation, because we were in the rear of the procession, we were among the last to fall into line. But Governor Johnson and the people of California, through its Legislature, are entitled to credit for having given to the world what has since been pronounced by experts as the best workmen's compensation law to be found anywhere, to the workers.

I am not a preacher, and I am not engaged in so-called religious work, but there is scarcely a day passes in my experience, as a member of the commission, that I do not feel that I am engaged in the highest sort of religious service. To illustrate, the other day a poor little widow came into our quarters with a little five months' old baby in her arms. Her husband had been an elevator operator, and was killed while on duty. She was left with her little five months' old baby with just 15 cents in all the world. Under the old conditions, that woman and her baby would have become objects of charity, because she was not a bread-winner. In all likelihood the mother and babe would have parted, the babe doubtless would have been placed in some organization, and she either would have become a dependent, an object of charity, or, unequipped, without knowledge, she would have been thrown out upon the bitter, cold world. Under the Workmen's Compensation Act, that little woman and babe are entitled to a compensation or award equal to three years' earnings of the husband. The deceased worker had earned \$75 a month or \$900 a year. That gave her \$2700.

Now, the law is wise enough and beneficent enough not to take the sum of \$2700 and place it in the hands of an untrained, inexperienced little woman to be badly invested or to be squandered; but the law provides that little woman shall receive, at the rate of \$50 a month, for about four years and a half, the sum of \$2700, meanwhile affording her an opportunity to

become a bread-winner, and to be able to care for herself and the babe.

About a year ago, I had the honor of being appointed by President Wilson a member of the United States Commission of Industrial Unrest. The purpose of this commission is to investigate and to inquire into the underlying causes of industrial unrest, with a view to recommending to Congress some remedial legislation that will tend to bring about a kindlier and more harmonious feeling between the worker and the employer, and that will further tend to minimize the strikes and lockouts with which this country has been burdened. As a member of that commission, I have discovered that one of the underlying causes for industrial unrest has been these very industrial accidents. Doubtless many of you, in common with myself, have been under the impression that the chief cause of poverty among working men is drink. A study of the records tells quite a different story. We learned from them that the chief cause of poverty is unemployment, the second cause is sickness, and the third cause is industrial accidents.

Now, not only are industrial accidents the third indicated cause for poverty, but they have been one of the prime causes for industrial unrest. And let me illustrate that so you will appreciate it keenly. Not a great while ago, I met an insurance man, an acquaintance, and in the course of conversation (and this was before I was appointed to the Federal commission) we got to discussing the Workmen's Compensation Act, and to my very great surprise I found he was in favor of it, and I said to him, "Why, I thought you were against workmen's compensation?" and he replied, "No, we are not against workmen's compensation. We are against the State of California going into the insurance business, which has become a part of the Workmen's Compensation Act. But, so far as the workmen's compensation itself is concerned, we favor it, and I personally favor it very much, because I used to be an industrial accident insurance adjuster," and then, looking upon me as a sort of father confessor, he was frank enough to say this, "And you know when I was an insurance adjuster, I was a thief, a liar, and a scoundrel. In the interest of my company, and in order to make a good settlement for the company, I would watch my opportunity, and when the injured man was on the ragged edge, and his wife in the same position, I would pounce on him and make him take a fraction of what he was entitled to, in order that I might make a record with my company."

Now, doubtless there are insurance companies that were square, and doubtless there were insurance adjusters that were square. But this acquaintance of mine I am pretty sure represents a large army of insurance adjusters, who used to handle their cases precisely as this man handled his cases.

Not long ago this criticism was made against the act: The point was made that the theory of the act is that the burden shall be put upon the industry, and that the employer shall be toward him simply as the tax collector. But how can the employer be

merely the tax collector, in certain undertakings like public utility or public service corporations? How can the street car company, for example, put that burden upon its industry, when the law does not permit it to raise its fares, and to add on the cost of compensation and pass it on to the passenger? I put that question recently to Mr. Jesse Lilienthal, the President of the United Railroads of San Francisco, and said to him, "It has been pointed out that, in an undertaking like yours, where the law fixes the fares, you can't pass it on to the public, it must come out of your earnings, and yet you are very much in favor of workmen's compensation. How do you reconcile the matter?" This was his answer, "Well, you know, under the old law, we either insured ourselves as public carriers or took our own insurance. Whatever we did, the results were bad. If we carried insurance and one of our workmen was injured, we would have to stand by and see that worker squeezed by the insurance company—we were helpless, because under our contract we must keep our hands off. Then what followed? Unless we were willing to go down into our private purses, and, as an act of charity, help this worker, he received unjust treatment. And then what think you followed? Do you think that he buried this in the utmost recesses of his heart, No. He shouted them from the housetops. And whom did he hold responsible, the insurance adjuster or the insurance company? Not at all. We were held responsible. Then what happened? He told a neighbor of his, a member of a labor union, that he had been unjustly and unfairly treated, and the gap existing between the worker and the employer would be widened, and the goodwill of all the friends of that worker would be lost to us. On the other hand, if we held our own, and stood ready to do the square thing, and to compensate him justly and liberally, just as likely as not he would fall into the hands of some shyster of a lawyer, or some ambulance chaser, who would fill his mind with the idea that, before a jury, he would get thousands in damages, and before he knew it he was dragged into court, and then again was there bitterness towards the company, in spite of the fact that we were ready to do the square thing by him. Then what followed? According to the records, the case would be finally decided at the expiration of six years, the average length of time shown by experience to elapse that we would take to try a damage suit and get a full adjudication upon it in court. Then, at the end of six years, he got damages, and he would only receive twenty cents on every dollar he had recovered from the jury—the remaining eighty cents would be eaten up. Now what happens? If an accident occurs, and we are insured by an insurance company, if it cannot be settled between the insurance company and the assured, it is submitted to your board, and we can stand with him to see that he gets all he is entitled to under the law. And now, in a most uniform way, without any of the law's delays, the whole matter is adjudicated, and whatever cordial and friendly feelings may have existed between us before

the accident are cemented after the accident, by reason of the fact that we were with him and not against him. On the other hand, if we now carry our own insurance and a workman is insured, within fifteen minutes the matter can be settled between us, because the law tells just exactly what that workman is entitled to, what his compensation is. And if a difference arises between us as to the nature of the injury or the amount of compensation he is entitled to, we once more submit the matter to you as a board of arbitrators, and again in an hour, or at the most two hours, the matter is settled without hitch, with out friction, without reduction, and we are made good friends, the same as we were before. Now," he went on to say, "our first six months has demonstrated that, under the Workmen's Compensation Act, it doesn't cost us any more than under the old act. But whatever it is, we pay it cheerfully, because it enables us to retain that asset which we value above all other assets, the goodwill of our workers." (Applause.)

Another hue and cry was raised against the administration, and especially against Governor Johnson, because the State had entered the insurance field and started an insurance fund. It was forecasted that this was a most hazardous and a most unwise and a most reckless thing for the State to do, that it had no right to encroach upon the preserves of insurance companies, that the State knew nothing about the insurance business, that it was inviting failure, that its purpose was simply to establish a great political machine in the interest of the administration, that there would be thousands of positions to give out, and that these office holders would become part of the administration. Those were the charges. The facts were these: that the State realized that it had put the burden of responsibility upon the employer, the employer was made liable for any injury to his employee, and that, in justice to the employer as well as for the protection of the employee, he should be insured against excessive rates liable to be charged him that there should be prompt settlements for the injured person, that accident insurance could be made to the smallest employer or the most wealthy men of the commonwealth upon the same terms.

With those three things in mind, reasonable rates for the employers, prompt settlements, and availability of insurance, it was deemed by the administration that the only manner in which those three things could be guaranteed would be by the State itself entering the field, and it did.

Despite all the forecasts of prior results, what happened? The State has been in the insurance business now about eight or nine months. When the next session of the Legislature opens in Sacramento, the Industrial Accident Commission will find itself in a position to say this to the Legislature: "Gentlemen, at the last session you were good enough to set aside a fund of \$100,000 as a parent fund to meet any catastrophe that might unexpectedly arise. You were further generous enough to set aside \$70,000 additional to be used as an expense fund. Here we are, ready to

make our report. Here is \$100,000, and here is the \$70,000. Not a penny of either one of the amounts has been touched. We have been able to pay out and bear the expense of initiating the department, which is always good. In addition to that, the rates are 24 per cent lower than they were a year ago. We have set aside as a nucleus a further reservation to build up a catastrophe fund, and in addition to that we can now tell you gentlemen officially that the State insurance fund is going to hand back to our policy holders a neat little Christmas gift that will run all the way from 5 per cent to 25 per cent of the premium that they paid in." That gentlement, is the result. (Applause.)

The question, I take it, that you gentlemen are primarily interested in, you who represent the municipalities and political subdivisions, is, "Will it pay our municipalities to insure with the State, or shall we carry our own insurance?" Under certain circumstances, it would perhaps pay the municipalities better to carry their own insurance. If the insurance fund was in the deal for profit, as are the stock companies, it might pay municipalities to carry their own insurance, in the hope of making a profit that would otherwise go into the pockets of the stockholders of the private companies. But, since the State is not in the field for profit, but is simply in the field for service and for protection, the State insurance fund becomes your fund, it becomes your insurance company, because the insurance is being given at actual cost.

Now, there are two weak spots in the workmen's compensation that are well known, and those two weak spots are, first, the lingerer on the one hand, and the cost of medical attention on the other. Those are two mice, so to speak, in the center of the cheese, and in Austria they have nearly swallowed the cheese. Owing to some faulty system there, the lingerer is able to impose upon them, and there are excessive charges made on the part of physicians, which two facts, as I read recently, have practically bankrupted the Austrian Workmen's Compensation fund. In our brief career, we have discovered that it takes a most scientific mind and uncommon skill to know how to clock up those two weak spots, to know how to deal with the lingerer, to know how to keep the medical fees within reasonable bounds. But I think we have succeeded in doing it, because up to this time our percentage for losses for injuries in the lowest in the State, as compared with those of fifteen or twenty stock companies, and our costs for medical treatment are, I think, lower than the cost of medical treatment to most stock companies. That has been made possible because we were fortunate in selecting scientific men to handle those two departments. We have a scientific trained man who has charge of our claims department, and we have one of the best physicians in California as our medical director. So that is the situation under our present control.

Now, the serious disadvantage of a municipality managing its own insurance is this. Unless it is in a position to organize a department, scientifically managed, which is very expensive, too

expensive for any municipality itself to carry, the municipality is going to be unable to stop those leakages, the lingerer on the one hand and excessive medical fees on the other. The State, on the other hand, offers to the municipalities, in common with other employers of the commonwealth, a perfected piece of machinery. It has secured the services of the ablest men, fitted for their respective positions, to handle it as they would their own private business, and who have managed to control absolutely those two leakages. Furthermore, the municipalities are only now beginning to realize that, under the law, they are responsible for injuries done, not only to their immediate employees, but also to employees of contractors, unless those contractors carry insurance. In other words, if my friend Mayor Mott of Oakland should bring about large construction work with the introduction of a sewage system, and digging of ditches and canals, and the workers are in charge of a contractor, and the workers should become injured, if those contractors are not insured or are not financially responsible, the City of Oakland itself would have to bear the burden.

Now, further, the city, just as an individual, might run along indifferently for years, and have comparatively little compensation to pay. But suddenly a catastrophe happens that proves a very, very serious burden upon the community. Because compensation insurance, accident insurance, is precisely as is fire insurance.

Let me take a leaf out of my own personal experience. For thirty years Weinstock, Lubin & Company, with which I am connected, paid out thousands and thousands of dollars for fire insurance every year. I suppose by the end of thirty years, our cost for fire insurance would have been somewhere between \$300,000 and \$400,000. Up to that time we had not received one single penny in return. But one morning I stood by and watched the flames wipe out of existence within two hours assets running somewhere between \$600,000 and \$700,000. And if we had not been insured, we would have been absolutely and hopelessly bankrupt. So that the paying of insurance for thirty years was an investment that, in the end, paid compound interest.

Now, the same law applies to accident insurance. Nobody can foretell how long your enterprise or my enterprise, how long your community or my community, may be practically free from serious losses, and no one can guarantee that today or tomorrow some great industrial catastrophe may or may not happen that may cost the community untold thousands. Now, the municipality that it insured by the State, the burden is spread among all the policy holders of the State, and it averages itself up, as is the case in all kinds of insurance.

So it seems to me that, summing up all the advantages, and there are no disadvantages that I can see connected with it, it means this: First, that the community is protected against a serious catastrophe loss; second, that it is getting its insurance at the hands of the State at absolute cost third, that that cost is reduced to a minimum by scientific management; fourth, it is saved from the lingerer; and fifth,

that it is saved from being obliged to pay excessive medical fees. It seems to me that I, if I were a municipal administration, would realize that there is only one thing to do, and that is to insure with the California Safe Insurance Department.

I thank you. (Applause.)
Reprinted from Pacific Municipalities.

UNITED STATES CIVIL SERVICE EXAMINATION.

ASSISTANT INSPECTOR OF ENGINEERING MATERIAL (MALE).

April 7, 1915.

The United States Civil Service Commission announces an open competitive examination for assistant inspector of engineering material, for men only, on April 7, 1915, at the places mentioned in the list printed hereon. From the register of eligibles resulting from this examination certification will be made to fill a vacancy in this position in the Office of Inspector of Engineering Material at Pittsburgh, Pa., at a salary of \$4.48 per diem, and vacancies as they may occur in positions requiring similar qualifications at United States navy yards and naval establishments or in the Department at Washington, D. C., unless it is found to be in the interest of the service to fill any vacancy by reinstatement, transfer, or promotion.

For filling vacancies in navy yards or other naval establishments preference in certification will be given to eligibles residing in the vicinity of the place at which the vacancy occurs.

The duties of this position will consist in the inspection to require contractors to carry out plans and specifications prepared by the Navy Department for machinery and engineering appliances, and to pass upon tests of such apparatus and materials used in connection with miscellaneous engineering work for the United States Navy.

Competitors will be examined in the following subjects, which will have the relative weights indicated:

Subjects.	Weights.
1. Mathematics (including arithmetic, algebra to quadratics, geometry, plane trigonometry, and use of slide rule and logarithms)	20
2. Practical and theoretical questions and calculations (comprising questions and problems arising in this position as set forth in this announcement as far as it is practical to do so)	40
3. Education, training and experience	40
Total	100

Persons who meet the requirements and desire this examination should at once apply for Form 1312, stating the title of the examination for which the form is desired, to the United States Civil Service Commission, Washington, D. C., or to the secretary of the United States Civil Board at San Francisco, Sacramento, San Jose or Stockton.

A model hatchery is also shown, the entire process of a fish's growth from the egg to the full grown "denizen of the deep" being part of the demonstration.

ADVANCE NEWS

Classified according to Character of Work

APARTMENT HOUSES.

SAN FRANCISCO—Apartment house, 3 story and base, reinforced concrete, \$30,000. Architects, Koenig & Christiansen, Humboldt Bank Bldg., S. F. Owner, O. A. Craemer. The building will be erected on the east side of Hyde street south of Turk, having a frontage of 55 feet and a depth of 119 feet. There will be a total of twenty-three suites of two and three rooms, all of which will have private bath rooms and wall beds. Interiors will be finished in pine with some elm panels. Plans provide for steam heat and a hot water system. Bath rooms will have tile wainscot and composition floors. Marble and tile wainscot will be used in the lobby. Exterior of the building will be faced with cement plaster. Plans are complete and the work will be done by Day Labor.

SAN FRANCISCO—Apartment house, 3 story and base, frame, \$16,000. Architect, none. Owners, Metropolis Investment Co., 333 Kearny street, S. F. The building will be erected at the corner of Hyde and Sacramento streets, covering an area of 39 by 70 feet. There will be a total of eleven suites of three and four rooms. Interiors will be finished in pine with some elm panels and hardwood floors. All apartments will have wall beds and private bath rooms. There will be steam heat and a hot water system. Bath rooms will be finished in imitation tile with composition floors. Exterior of the building will be covered with cement plaster on metal lath. Plans are now complete and in the hands of the owners who will do the work by Day Labor. Materials are now being purchased.

PORTLAND, ORE.—Apartment house, 3 story and base, brick and reinforced concrete, \$60,000. Architects, Goodrich & Goodrich, Abington Bldg., Portland. Owner's name withheld. The building will be erected on a corner lot, covering a considerable ground area. Plans show a total of 32 suites of two and three rooms. All apartments will have wall beds and private baths. There will be steam heat, elevator service, five dumb waiters, a hot water system and vacuum cleaning. Bath rooms will be finished in tile. There will be marble wainscot. Interior will be finished in pine throughout. Exterior of the building will be faced with pressed brick. Plans are now being prepared.

SAN FRANCISCO—Apartment house, 4 story and base, brick and steel, \$32,000. Architects, O'Brien Bros., 240 Montgomery street, S. F. Owner, A. Lawson. The building will be erected on the north side of Post street east of Polk, having a frontage of 30 feet and a depth of 120 feet. There will be a total of 18 suites of two rooms and bath each. A large office and lobby are also provided for on the first floor. Interiors will be finished in pine with some hardwood in the

living rooms and lobby. Hardwood floors will be used throughout. Plans provide for steam heat, elevator service, a hot water supply and vacuum cleaning. Bath rooms will have tile floors and walls. Wall beds are specified. Exterior of the building will be faced with pressed brick. Plans are complete and figures are being taken.

LOS ANGELES, CAL.—Apartment house, 4 story and base, brick and steel. Cost not stated. Architect, I. H. Seehorn, 328 1/2 Clay street, L. A. Owner, J. D. Thompson. The building will be erected at the corner of Ceres and 8th streets, and has been designed to contain 120 rooms arranged in suites of two and three rooms. All apartments will have wall beds and private bath rooms. There will be steam heat, elevator service and a hot water supply. Interior will be finished in pine and redwood with some elm panels. Hardwood floors will be used in the living and dining rooms. Bath rooms will have tile wainscot and composition floors. Exterior of the building will be faced with pressed brick. Plans are being prepared.

Contracts Awarded.

SAN FRANCISCO—Apartment house, 4 story and base, brick and steel, \$32,000. Architect, Earl B. Scott, Humboldt Bank Bldg., S. F. Owner, William A. Hinch. Contractors, Ratto & Ratto, S. F. Contract price, \$32,000.

LOS ANGELES, CAL.—Apartment house and stores, 2 story and base, brick, \$29,100. Architect, none. Owner, Los Angeles Securities Co. Contractor, H. L. Childs, Title Insurance Bldg., L. A. Contract price, \$29,100.

BONDS.

OROVILLE, BUTTE CO., CAL.—At a special meeting called to consider the purchase of the second installment of the \$475,000 worth of State Highway bonds they have agreed to purchase, the Supervisors adopted a resolution stating that the second installment will be purchased after July 1st.

The second installment will amount to \$150,000. The first installment was for \$175,000.

In view of the resolution it is not believed that work on the Chico-Nelson unit will be delayed.

FERREL SCHOOL DISTRICT, IMPERIAL CO., CAL.—An election will be held in the Ferrel School District on March 20th to vote bonds of \$6,000 for the erection of a new school building for the district. Further information in regard to the election may be had from Geo. E. Beich, Trustee of the District.

MODESTO, STANISLAUS CO., CAL.—The Stanislaus County Supervisors and a delegation from the county have visited the Highway Commission at Sacramento, the purpose of the visit being to urge the construction of the highway from Salida to the eastern county line above Knights Ferry. After hearing this delegation it was

decided to spend the sum of \$135,000 for the construction of a road bed twelve feet wide through this county to connect with the Sonora Lateral at the Stanislaus County line.

Although the bonds are not as yet available, the Stanislaus Supervisors placed an order for \$50,000 worth of bonds to aid in the building of the road.

Before leaving for Sacramento the Supervisors adopted a resolution authorizing the chairman of the Board to purchase bonds not to exceed \$50,000 provided the commission decided to construct the roadway.

RAYMOND, WASH.—Bonds have been voted here for the construction of a water works system. Of the amount voted, \$22,000 will be used in extensions and improvements.

MODESTO, STANISLAUS CO., CAL.—The fifth and sixth issues of Modesto Irrigation District bonds, total amount \$610,000, are selling well in the hands of Edward N. Pearson, Jr., of San Francisco, the amount of sales to date being \$288,000, according to information received by Secretary C. S. Abbott. Of this amount \$234,000 worth already has been taken up and paid for and the remainder were sold for future delivery.

The proceeds of the sale of these bonds will be used in the extensive improvements of the main canal and system of the district.

CARSON CITY, NEV.—Provision for a \$300,000 bond issue for an irrigation project in the Carson Valley is made in a bill introduced in the Senate by Hussman of Douglas County. The reservoir site would be at Long Valley, eight miles from Minden.

The land to be irrigated includes 17,000 acres of new land and 17,000 acres of cultivated land. The work would be in conjunction with the Federal Government, from which an appropriation of \$2,250,000 is expected, in accordance with a report recently received by the directors of the irrigation district.

SEATTLE, WASH.—At the recent municipal election bonds in the sum of \$1,364,000 were voted for the construction of three bridges across the Lake Washington Canal.

The bridges to be erected will be located at 15th avenue NW. across Salmon Bay, \$479,000; at Fremont avenue, \$340,000, and at Eastlake avenue, \$545,000.

The Fremont avenue bridge now has the approaches in. This span will be 242 feet long and 60 feet wide, the piers costing about \$135,000. The 15th avenue bridge will have a span of 218 feet and 3,500 feet of approaches. It will be 53 feet wide the span being 60 feet long. Four concrete piers, 25x63x85 feet are called for, the substructure will cost about \$100,000.

SACRAMENTO, CAL.—That no road bond issue will be brought before the people of Sacramento County before 1916 was the opinion expressed last

week by members of the special committee of twenty-four appointed two weeks ago by Geo. W. Hack, president of the Sacramento County Good Roads Association, to investigate the condition of roads throughout the county and decide what improvements, changes and new construction should be called for in the next bond issue.

SAN FRANCISCO—The State Railroad Commission has refused to authorize a bond issue by the Plumas Light and Power Company.

The company sought to issue bonds of \$100,000. Of this issue \$52,000 was to be put out at once. The money was to be used to build a power plant at Greenwich.

The company expected to secure its water for power development from the Round Valley Water Company. As that company is now tied up by litigation, the Commission refused to authorize the bond issue.

WOODLAND, YOLO CO., CAL.—On April 5th the citizens of Woodland will vote on the issuing of bonds in the sum of \$40,000 for the erection of a high school and the purchase of the necessary grounds.

From present indications the issue will carry by a large majority.

HANFORD, KINGS CO., CAL.—Kings County's allotment of State Highway bonds, amounting to \$70,000, has been sold to J. Barth & Co., their bid being the highest, ranging from \$948 to \$950 per thousand.

HUNTINGTON BEACH SCHOOL DISTRICT, ORANGE CO., CAL.—Architect John C. Smith, 325 H. W. Hellman Building, L. A., has been selected to prepare plans and specifications for a new grade school building at Huntington Beach.

It is proposed to build a structure containing an auditorium and ten class rooms, to cost \$40,000. Bonds in the amount of \$70,000 have been voted for this building, the purchase of a site and the construction of a smaller school at a later date to cost perhaps \$10,000.

SAN BERNARDINO, SAN BERNARDINO CO., CAL.—The Board of Supervisors of San Bernardino County is considering sites for the new county hospital buildings to be erected under the recent bond issue in the sum of \$150,000. The bonds have been sold and as soon as the site question is settled, the Board will receive competitive plans from architects for the buildings which are to be erected.

WHITTIER SCHOOL DISTRICT, LOS ANGELES CO., CAL.—The \$50,000 bond issue recently voted has been sold and a \$30,000 grade school building is to be built in the southwestern part of this city. Plans for the new structure will be ordered immediately.

EL CENTRO, IMPERIAL CO., CAL.—Bonds of \$60,000 have been voted and bonds will be prepared at once so as to avoid all unnecessary delay in the erection of a school building.

RED LODGE, MONT.—Plans for submitting the proposition of voting bonds for the erection of a manual training and domestic science hall for the Red Lodge City School District have been perfected by the School Board. A date for the election will be set immediately.

CARUTHERS, FRESNO CO., CAL.—The \$30,000 bond issue for the erection of a new high school building has

been sold to Hlythe, Witter & Co. of San Francisco at a premium of \$21.00.

WOODLAKE, TULARE CO., CAL.—A special election will be held on April 5th to vote bonds of \$40,000 to be used in the erection of a new high school building. Further information regarding this election may be had from the School Trustees at Woodlake.

TAFT, KERN CO., CAL.—A special election will be held on March 27th to vote on the proposition of establishing a new high school district. If the election is favorable a new school will be erected.

SANTA ANA, ORANGE CO., CAL.—The Board of Supervisors of Orange County has set April 5th as the date for a special bond election to be held at Westminster to vote on the proposition of forming a drainage district.

EL MODENA, ORANGE CO., CAL.—The Board of Supervisors has called a special election for April 10th to vote on the proposition of establishing the El Modena lighting district for the installation of a system of street lights.

INDIO, RIVERSIDE CO., CAL.—Indio road division, comprising the territory about the little desert town of Indio, has voted highway bonds in the sum of \$65,000. The vote stood 132 to 13, a 10 to 1 vote in favor of the bonds, which will be offered by the Supervisors of the county.

The money resulting from the sale of the bonds will be used to construct lateral roads from the county highway to be built through the Coachella Valley.

SAN DIEGO, SAN DIEGO CO., CAL.—The Board of Supervisors is taking the necessary steps to purchase a block of \$250,000 in State Highway bonds. The funds to be used for completing the State Highway from San Diego to Imperial County.

HANFORD, KINGS CO., CAL.—The Board of Supervisors has accepted the report of the Highway Commission and has called a special election for May 6th to vote on the question of issuing bonds in the sum of \$672,500 for the construction of 104 miles of permanent concrete and asphalt highways.

FULLERTON, ORANGE CO., CAL.—The \$36,000 bond issue for the improvement of Brea road to the north city limits has been sold at a premium of \$2,790.

VISALIA, TULARE CO., CAL.—The Board of Supervisors has decided to purchase \$475,000 of State Highway bonds to finance the completion of the State Highway through Tulare County.

ROSEVILLE, PLACER CO., CAL.—The Roseville Grammar School Trustees have issued a call for a bond election to be held on April 6th.

This issue will be for \$10,000, the money to be used in the construction of additions to the present school buildings. No opposition is expected and it is thought that the issue will carry by a large majority.

MARYSVILLE, YUBA CO., CAL.—The first step toward the beautification of Ellis Lake was taken when representatives of the three local banks and the City Council held a conference and discussed an \$18,000 bond issue.

The Finance Committee of the City Council was instructed to confer with Attorney W. H. Carlin and discuss plans for the proposed issue.

The local banks have agreed to take

the issue which would pay 6 per cent interest and be due three years from date. The bonds would be paid off in three annual payments of \$6,000 each.

Under the proposed bond issue the sewer would be extended from E and tenth streets to Fourteenth and D and D street would be improved from tenth to Fourteenth street. This would be along a strip fifty feet wide instead of eighty as once planned.

The slough, which now dumps into the lake at Tenth and E streets, would be done away with. No part of the general fund would be employed in the beautification work.

BENICIA, SOLANO CO., CAL.—The State Board of Control has purchased for the Industrial Accident Commission \$18,000 of the Benicia school bonds. A new primary school building will be built, and repairs made to the High school building.

MESA, ARIZ.—At a night session recently held by the Arizona Legislature, Dr. Bacon introduced a bill, proposing a constitutional amendment providing for a bond issue of \$3,000,000, of which \$2,000,000 is to be used for a State Highway and \$1,000,000 for buildings for the university and two normal buildings.

BRIDGES AND DAMS.

OAKLAND, CAL.—Steel lift bridge, \$753,000. Engineers, Scherzer Rolling Lift Bridge Co., Chicago. Owners, Alameda County. Geo. S. Hill, local representative of the Scherzer Rolling Lift Bridge Co. of Chicago, is working preliminary plans for the new bridge which will span the Oakland Estuary. Plans prepared by this company show a double lift type bridge having a total length of 3,450 feet and a width of 80 feet. Such a structure would carry the traffic between Oakland and Alameda without the use of the second bridge as is now required. The bridge would start at Webster street near the Western Pacific tracks, thus carrying the traffic over the Southern Pacific tracks at First street. An estimated cost of \$753,000 is placed on the work. The company would have the designing and superintendence of the work on a 5 per cent basis, but all work would be carried out by local firms. The time to complete the work is placed at six months.

BAKERSFIELD, KERN CO., CAL.—Bridges and culverts, pile and reinforced concrete. Cost not stated. Engineer, County Surveyor, Bakersfield. Owners, Kern County. Plans have been complete and are now out for figures for constructing several bridges and a number of culverts on the Bakersfield-Mojave road between Tehachapi and Cameron. Bids are now being received and figures will be opened on March 22nd. Plans and specifications can be secured from the office of the County Surveyor.

VISALIA, TULARE CO., CAL.—Bridge, concrete and timber. Cost not stated. Engineer, County Engineer, Visalia. Owners, Tulare County. Plans are complete and figures are now being taken for the construction of a timber and concrete bridge which is to be erected over Cameron Creek in Mooney Grove. Bids will be opened on April 7th. Plans and specifications can be secured from the County Surveyor.

FRESNO, FRESNO CO., CAL.—Subway, etc. Cost not stated. Engineer, City Engineer Cronkhite, Fresno. Owners, City of Fresno. To obtain state aid in getting subways at the Monterey street and Belmont avenue crossings of the Southern Pacific, a viaduct over the Santa Fe at Fresno street and drainage in the southwest of the city, Mayor Snow expects soon to appear before the State Railroad Commission. City Engineer Cronkhite will prepare the plans for the work.

MOONEY GROVE, TULARE CO. CAL.—Bridge, concrete or timber. Cost not stated. Engineer, none. Owners, United States Forestry Service. The Board of Forestry is ready to build a new bridge over Cameron Creek in Mooney Grove, but at the present time are unable to determine whether construction will be of concrete, wood or steel. As a result three sets of plans have been presented and the Board has asked the Supervisors to call for bids on the three plans submitted.

MARTINEZ, CONTRA COSTA CO., CAL.—Bridge, steel and reinforced concrete. Cost not stated. Engineers, County Surveyor Quail, Stockton, and County Surveyor Arnold, Martinez. Owners, Contra Costa and San Joaquin Counties. Plans and specifications for the Borden Delta road bridge across Old River will be presented to the Supervisors immediately. The plans were prepared by County Surveyor Quail of Stockton and delivered to County Surveyor Arnold of Contra Costa County. As soon as the plans have been approved by the Supervisors bids will be called for.

REDWOOD CITY, SAN MATEO CO., CAL.—Retaining wall, reinforced concrete. Cost not stated. Engineer, County Surveyor, Redwood City. Owners, San Mateo County. Plans have been completed and approved for the construction of a concrete retaining wall to be erected near Menlo Country Club. Bids are now being taken and will be opened by the Board of Supervisors on April 5th. Plans and specifications can be secured from the County Surveyor.

REDWOOD CITY, SAN MATEO CO., CAL.—Bridge, reinforced concrete. Cost not stated. Engineer, County Surveyor, Redwood City. Owners, San Mateo County. Plans have been completed and are now out for figures for a three-span reinforced concrete bridge to be erected over El Corte de Madera creek in the Fifth Road District. Bids will be opened on April 5th. Plans and specifications can be secured from the County Surveyor.

HOLTVILLE, IMPERIAL CO., CAL.—Bridge, reinforced concrete. Cost not stated. Engineer, County Surveyor, El Centro. Owners, City of Holtville. This bridge will be erected over Alamo River on the extension of Sixth street. Bids are now being taken and will be opened by the City Council on March 29th.

CHURCHES.

SAN FRANCISCO—Church, 1 and 2 story, reinforced concrete, \$35,000. Architects, Shea & Lofquist, Bankers' Investment Bldg., S. F. Owners, St. Monica's Parish, Rev. Father Edward Doran. The building will be designed in the Spanish Mission style and will

contain Sunday school rooms besides the large main auditorium. Only preliminary studies have been made and details of the building cannot be given at this time. Further mention will be made of the work shortly.

FLATS.

SAN FRANCISCO—Flats, 2 story and base, frame, \$7,000. Architect, E. E. Young, 251 Kearny street, S. F. Owner, Thomas Scoble, 363 14th avenue, S. F. The building will be erected on the west side of Palm avenue north of Euclid, having a frontage of 28½ feet and a depth of 73½ feet. There will be four modern flats of five and six rooms. Interiors will be finished in pine, redwood and hardwood. Hardwood floors will be used in the principal rooms. There will be furnace heat and open fire places. Mantels will be of tile or brick. Tile wainscot and floors will be used in the bath rooms. Automatic water heaters will be installed. Entrances will be finished in tile. Exterior of the building will be covered with rustic and cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor.

SAN FRANCISCO—Flats, 2 story and base, frame, \$3,500. Architect, L. Traverso, 854 Union street, S. F. Owner, Elvira Mori. The building will be erected on the north side of Chestnut street west of Grant avenue, and has been designed to contain two flats of five and six rooms. Interiors will be finished in pine and redwood. Some hardwood floors will be used. There will be open fire places in the living rooms. Mantels will be of tile or brick. Bath rooms will have imitation tile wainscot and composition floors. Exterior of the building will be covered with rustic and cement plaster on metal lath. Plans are now being prepared.

SAN FRANCISCO—Flats, 2 story and base, frame, \$4,500. Architect, none. Owner, James Gleeson, 581 5th avenue, S. F. The building will be erected on Anza street west of 7th avenue, covering an area of 26 by 62 feet. There will be two flats of five rooms each with private garage in the basement. Interiors will be finished in pine and elm panels. Hardwood floors will be used in the living and dining rooms. There will be open fire places and tile or brick mantels. Tile wainscot will be used in the bath rooms. Exterior will be covered with cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor. Materials are now being purchased.

SAN FRANCISCO—Flats, 2 story and base, frame, \$4,600. Architects, Rhodes & Marisch, 3372 16th street, S. F. Owner, C. Sorenson. The building will be erected on Douglas street near 17th, and has been designed to contain four small flats of four and five rooms. Interiors will be finished in pine and redwood. Some elm panels and hardwood floors will be used. There will be open fire places in the living rooms. Mantels will be of tile. Imitation tile wainscot will be used in the bath rooms and kitchens. Exterior will be covered with rustic and ship-lap. Plans are now being prepared.

SAN FRANCISCO—Flats, 2 story and base, frame. Cost not stated. Architect, W. G. Hind, 46 Kearny street, S. F. Owner's name not given. The building will be erected on Lombard street near Jones, and has been designed to contain two large residential flats. Interiors will be finished in pine and hardwood with hardwood floors throughout. There will be furnace heat and open fire places. Mantels will be of tile and brick. Bath rooms will have tile floors and walls. Automatic water heaters will be installed. Exterior of the building will be covered with cement plaster on metal lath. Plans are being prepared and will be ready for figures this week.

SAN FRANCISCO—Flats, 2 story and base, frame, \$5,000. Architect, none. Owner, J. Johnson, 488 9th avenue, S. F. The building will be erected on the east side of 17th avenue north of California, and has been designed to contain two five-room flats. Basement will be used for a private garage. Interiors will be finished in pine, redwood and elm panels. Hardwood floors will be used in the living and dining rooms and reception hall. There will be open fire places in the living rooms. Mantels will be of tile or brick. Tile wainscot will be used in the bath rooms and kitchens. Automatic water heaters are specified. Exterior of the building will be covered with rustic and cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor.

SAN FRANCISCO—Flat addition and alterations. Cost not stated. Architect, Henry Shermund, Mills Bldg., S. F. Owner, E. D. McCrea. The present two-story and basement frame building on Ninth avenue between J and K streets will undergo alteration. The plans show a small addition in the rear and new interior finish, plastering, hardwood floors, open fire places, electric work and painting. A contract will be awarded shortly.

GOVERNMENT WORK & SUPPLIES.

Steel Towers for Naval Station.

The following bids were received by the chief of the bureau of yards and docks, Navy Department, Washington, D. C., for the construction and erection of three 600-foot steel towers at each of the naval stations, San Diego, Cal.; Pearl Harbor, H. T., and Cavite, P. I.:

Item 1, price per pound for nine 600-foot steel towers erected complete, in accordance with plans and specifications; 2, price per pound for three 600-foot steel towers at the site of the high-power radio station, San Diego, Cal.; 3, price per pound for three 600-foot steel towers erected complete at the naval station, Pearl Harbor, H. T.; 4, price per pound for three 600-foot steel towers, complete, at the naval hospital site, naval station, Cavite, P. I.

W. B. Kyle, San Francisco, Cal., item 1, 6.83c; 2, 4.99c; 3, 5.49c.

The Lord-Young Engineering Co., Honolulu, H. T., item 3, 5.85c.

Henry Monk, Pensacola, Fla., item 1, 8.4c; 2, 7.3c; 3, 8.6c; 4, 9.3c.

Llewellyn Iron Works, Los Angeles, Cal., item 2, 4.85c; 3, 5.15c.

The Spaulding Construction Co., San Francisco, Cal., item 3, 5.7c.

Dyer Bros. Golden West Iron Works, San Francisco, Cal., item 1, 7.42c; 2, 6.75c; 3, 7.5c; 4, 8c.

The Pacific Rolling Mill Co., San Francisco, Cal., item 2, 5.35c; 3, 5.65c; 4, 6.075c.

W. N. Concanon Co., Monadnock Building, San Francisco, Cal., item 2, 5.277c; 3, 5.157c.

The Ralston Iron Works, San Francisco, Cal., item 2, 5.9c.

Wilson Bridge and Iron Works, Milwaukee, Wis., item 2, 6.34c.

The U. S. Steel Products Co., 30 Church street, New York City, item 1, total, \$333,296; 2, \$104,636; 3, \$110,382; 4, \$121,526.

The Toledo Bridge & Crane Co., Toledo, Ohio, item 2, 4.95c.

The Ross Construction Co., Sacramento, Cal., item 2, 7.553c.

The Chicago Bridge and Iron Co. and the Pittsburgh-Des Moines Steel Co., Pittsburgh, Pa., item 1, 5.29c; 2, 5.07c; 3, 5.33c; 4, 5.7c.

Penn Bridge Co., Washington, D. C., item 1, 6.18c.

San Diego, Cal., Foundation Work.

The following bids were received by the chief of the bureau of yards and docks, Navy Department, Washington, D. C., for constructing foundations for radio towers at the naval reservation, San Diego, Cal.:

Doran & Reed, San Diego, Cal., \$9,100.

The Snare & Triest Co., New York City, \$11,980.

Henry Monk, Pensacola, Fla., \$13,650.

The Spaulding Construction Co., San Francisco, Cal., \$8,187.

John Campbell, San Diego, Cal., \$9,014.

W. E. Kier Construction Co., San Diego, Cal., \$10,300.

C. L. Hyde Construction Co., San Diego, Cal., \$7,999.

Isbell Construction Co., San Diego, Cal., \$7,215; alternate, \$6,725.

Sparks & Hale, San Diego, Cal., \$8,559.85.

W. N. Concanon Co., Monadnock Building, San Francisco, Cal., \$12,877.

Brown & Decew, San Diego, Cal., \$8,384.

The Holland Construction Co., San Diego, Cal., \$10,558; alternate, deduct \$1,100.

H. H. Hancock, San Diego, Cal., \$10,310.

Chico, Cal., Post Office.

In the construction of the U. S. post office at Chico, Cal., for which B. J. Duffy, Chico, Cal., has the contract, plumbing fixtures manufactured by Holbrook, Merrill & Stetson will be used in lieu of those previously approved.

Wood Stave Pipe.

The following bids were received at the office of the U. S. Reclamation Service, North Yakima, Wash., for furnishing 4,800 feet 46-inch continuous wood stave pipe:

Bid 1. C. H. Rowe, Mt. Vernon, Wash.

2. Pacific Tank and Pipe Co., Portland, Ore.

3. Pacific Tank and Pipe Co., Portland, Ore., alternate proposition, with staves 1½-in thick.

4. Washington Pipe and Foundry Co., Seattle, Wash.

5. Pacific Coast Pipe Co., Seattle, Wash.

6. George B. Wright, Tacoma, Wash.

7. Red Wood Manufacturers' Co., San Francisco, Cal.

8. Portland Wood Pipe Co., Portland, Ore.

Item 1. Wood stave pipe—Bid 1, \$1.17; 2, \$1.10; 3, 94c; 4, 99c; 5, \$1.06; 6, \$1.06; 7, \$1.63; 8, \$1.09.

Item 2. ½-in steel bands, with shoes, etc.—Bid 1, 41c; 2, 39.3c; 3, 39.3c; 4, 41.5c; 5, 39c; 6, 41.74c; 7, 40c; 8, 38.9c.

Item 3. Painting wood stave pipe—Bid 1, 80c; 2, \$1.25; 3, \$1.25; 4, 60c; 5, \$1.25; 6, 58c; 7, no bid; 8, \$1.01.

Totals—Bid 1, \$12,430; 2, \$12,113.45; 3, \$11,345.45; 4, \$11,518; 5, \$11,875.25; 6, \$11,781.46; 7, \$12,384; 8, \$11,563.85.

Pearl Harbor Foundation Work.

The following bids were received by the chief, bureau of yards and docks, Navy Department, Washington, D. C., for the construction of concrete foundation for three 600-foot steel towers at the naval station, Pearl Harbor, H. T.:

W. N. Concanon Co., Monadnock Building, San Francisco, Cal., \$10,867.

Henry Monk, Pensacola, Fla., \$20,000.

Albany, Ore., Vault Shelving.

The contract for installing metal vault shelving in the U. S. post office at Albany, Ore., has been awarded to The Canton Art Metal Co., Canton, Ohio, at \$141.

Douglas, Wyo., Changes.

The bid of J. F. Jenkins & Co., Douglas, Wyo., \$500 in amount, for changes in the drainage system in connection with the construction of the U. S. post office at Douglas, Wyo., has been rejected. This work has, however, been ordered by the department under original contract at \$400 additional.

Miles City, Mont., Construction.

The following bids were received by the supervising architect, Treasury Department, Washington, D. C., for the construction, including plumbing, gas piping, heating apparatus, electric conduits and wiring, interior lighting fixtures, and approaches, of the U. S. post office at Miles City, Mont.:

Bid 1. Hiram-Lloyd Building & Construction Co., Odd Fellows' Building, St. Louis, Mo.

2. Gray Construction Co., Watertown, S. D.

3. Wm. O'Neil & Son Co., Faribault, Minn.

4. Campbell Building Co. of Utah, Salt Lake City, Utah.

5. John Lauritzen, Fergus Falls, Minn.

6. Frank L. Johnson & Co., Duluth, Minn.

7. Olson & Johnson Co., Missoula, Mont.

8. Sound Construction & Engineering Co., Lowman Building, Seattle, Wash.

9. J. H. Wiese, City National Bank Building, Omaha, Neb.

10. Leigland, Kleppe & Co., Great Lakes, Mont.

11. Bailey-Marsh Co., Metropolitan Life Building, Minneapolis, Minn.

12. J. W. Miller, St. Paul, Minn.

Proposal No. 1 (using limestone for all exterior stonework, except where

granite is required, the building to be stone-faced design)—Bid 1, \$92,517; 2, \$94,177; 3, \$94,785; 4, \$96,938; 5, \$96,990; 6, \$97,046; 7, \$99,285; 8, \$100,193; 9, \$107,730; 10, \$111,970; 11, \$112,896; 12, \$116,724.

Proposal No. 2 (using sandstone for all exterior stonework, except where granite is required, the building to be stone-faced design)—Bid 1, \$98,517; 2, \$108,990; 4, \$107,000; 6, \$103,946; 7, \$103,885; 8, \$101,693; 10, \$119,470; 12, \$129,924.

Proposal No. 3 (using limestone for all exterior stonework, except where granite is required, the building to be of the brick-faced design with stone trimmings)—Bid 1, \$85,517; 2, \$89,302; 3, \$92,285; 4, \$93,000; 5, \$91,990; 6, \$93,096; 7, \$94,650; 8, \$93,548; 9, \$103,500; 10, \$105,850; 11, \$108,196; 12, \$111,954.

Proposal No. 4 (using sandstone for all exterior stonework, except where granite is required, the building to be of the brick-faced design with stone trimmings)—Bid 1, \$89,517; 2, \$96,487; 4, \$97,000; 6, \$95,496; 7, \$97,800; 8, \$94,548; 10, \$109,850.

For alternate No. 1 (for painting all plaster walls of finished rooms throughout the building and finishing ceilings in distemper, as specified) add Bid 1, \$2,300; 2, \$2,250; 3, \$3,200; 4, \$2,100; 5, \$2,500; 6, \$2,292.55; 7, \$2,000; 8, \$1,997; 9, \$2,400; 10, \$2,500; 11, \$2,600; 12, \$2,200.

Amount included in the proposal for furnishing and installing of all interior lighting fixtures—Bid 1, \$1,000; 2, \$1,150; 3, \$1,000; 4, \$1,085; 5, \$1,010; 6, \$700; 7, \$1,080; 8, \$900; 9, \$1,100; 11, \$1,100; 12, \$1,100.

Prospective Bidders.

Specifications for work under the office of the supervising architect have been furnished to the following firms in addition to those previously noted in these columns:

Pendleton, Ore., Construction, March 25

Bedford Stone Club, Bedford, Ind.

Erickson & Larson, Seattle, Wash.

James S. Winters, 605 Couch Building, Portland, Ore.

E. D. Loch & Sons, 34 F street, Salt Lake City, Utah.

Palmberg & Mattson, 829 Commercial street, Astoria, Ore.

J. H. Wiese, City National Bank Building, Omaha, Neb.

J. L. Murphy & Sons, 3138 N. Ferdinand street, Tacoma, Wash.

H. E. Doehring, 568 Maple street, Portland, Ore.

Welch Brothers & Hannaman, 15th and Jefferson streets, Oakland, Cal.

Olson & Johnson, Missoula, Mont.

J. B. Sweatt, 406 Rookery Building, Spokane, Wash.

Sound Construction and Engineering Co., Seattle, Wash.

Bailey-Marsh Co., Metropolitan Life Building, Minneapolis, Minn.

John Almeter, 626 7th street, Portland, Ore.

Eugene Schuler, Pasadena, Cal.

Dieter & Wenzel Construction Co., Wichita, Kans.

The Brennan Construction Co., District National Bank Building, Washington, D. C.

HALLS AND SOCIETY BUILDINGS.

OAKLAND, CAL.—Lodge hall, 3 story and base, frame, \$20,000. Architect, Frederick Soderberg, Union

Bank of Savings, Oakland. Owners, Swedish Hall Association. The building will be erected on Telegraph avenue south of 23rd street. There will be stores on the first floor while the upper two floors will be arranged for social halls, lodge rooms and offices of the organization. Interior finish will be of pine and redwood with a maple floor in the ball room. There will be steam heat. Stores will have patent store fronts and plate glass windows. Exterior of the building will be covered with cement plaster on metal lath. Plans are complete but figures will not be called for before April 1st.

HOTELS.

SAN FRANCISCO—Hotel, 4 story and base, brick and steel, \$20,000. Architect, N. W. Sexton, Chronicle Bldg., S. F. Owner, Mary Trobock. The building will be erected on the east side of Saint Anne street north of Pine and will have a frontage of 46½ feet and a depth of 52 feet. There will be a total of 50 rooms and several baths. Interior will be finished in pine and redwood. Plans provide for steam heat, elevator service and a hot water system. Bath rooms will have imitation tile wainscot and composition floors. Exterior of the building will be faced with pressed brick. Plans are complete and figures are now being taken.

SAN FRANCISCO—Hotel addition, 3 story, frame, \$3,000. Architect, Charles C. Fantoni, 916 Kearny street, S. F. Owner, A. Perta, 429 Fulton street, S. F. This work will consist of the addition of a number of rooms to the present building located at 429 Fulton street. Interior will be finished in pine. Modern plumbing, electric work and a hot water system will be installed. Exterior of the building will be covered with shiplap. Plans are complete and in the hands of the owner who will do the work by Day Labor.

SAN FRANCISCO—Hotel alterations, 3 story and base, frame, \$10,000. Architect, O. E. Evans, 2861 Mission street, S. F. Owner, Mrs. La Forrest. The present building on Stanyan street near Page occupied as flats will be altered into a modern hotel structure. There will be 25 rooms, public and private baths. Plans also provide for steam heat and a hot water system. New interior finish, plastering, plumbing and electric work will be installed. Exterior of the building will be covered with cement plaster on metal lath. Plans are being prepared and figures will be called for inside of two weeks.

TURLOCK, STANISLAUS CO., CAL.—Hotel alteration and addition, 2 story and base, brick, \$10,000. Architect, Ralph P. Morrell, Odd Fellows' Bldg., Stockton. Owner, M. Joice. This work will consist of new interior trim, plastering, plumbing, the installation of a new steam heating system and hot water supply and electric work. Exterior of the building will also be changed and faced with pressed brick. Patent store fronts are specified. Plans are being prepared.

LIBRARIES.

EXETER, TULARE CO., CAL.—Library, 1 story and base, frame, \$8,500. Architects, Bowen & Davis, McKenzie Bldg., Fresno. Owners, City of Exeter. The building will contain one large reading room, librarian's office, stack room and toilet. Interior finish will be of pine with maple floor in the reading and stack rooms. There will be furnace heat. Metal book stacks are specified. The design is in the classic style, the exterior being covered with cement plaster on metal lath. Plans are complete and figures are now being taken. Bids will be opened on March 24th. Plans and specifications can be secured from the architects.

POST OFFICES.

SAN FRANCISCO—Ferry post office, 2 story, Class A construction, \$125,000. Engineer, Assistant, State Engineer Newman, Ferry Bldg., S. F. Owners, State of California. Bids were opened at the Thursday meeting of the State Board of Harbor Commissioners for the general construction of the Ferry post office. The building will be a two-story, class A building, costing over \$125,000. Contracts for the foundation work and structural steel have already been awarded. Healy-Tibbitts Construction Co. has the foundation work at \$27,890 and the Pacific Rolling Mills the steel work at \$18,000. Teichert & Ambrose were the low bidders for the general construction at \$74,891. The award of contract was put over until the adjourned meeting of the Board. A complete list of the bids will be found under the heading of San Francisco in this issue.

RAILROAD CONSTRUCTION AND EQUIPMENT.

OAKLAND, CAL.—Railroad construction. Cost not stated. Engineer, City Engineer, Oakland. Owners, City of Oakland. Plans are complete and figures are now being taken for constructing a standard gauge railroad on city property parallel to Grove street along the quay wall. Plans and specifications can be secured from the City Engineer's office. Bids will be opened on March 18th.

RESIDENCES.

OAKLAND, CAL.—Residence, 2 story and base, frame, \$9,000. Architect, Edward T. Foulkes, Crocker Bldg., S. F. Owner, Leland Scott. The dwelling has been designed for an eight-room house with three bath rooms and sleeping porch. A separate garage will be erected on the property. Interior will be finished in pine, hardwoods and white enamel. Hardwood floors will be used in the principal rooms. There will be furnace heat and open fire places. Mantels will be of tile and brick. Tile wainscot and floors will be used in the bath rooms. Exterior of the building will be covered with cement plaster on metal lath. A clay tile roof will be used. Plans are now being prepared.

PIEDMONT, ALAMEDA CO., CAL.—Residence, 2 story and base, frame,

\$12,000. Architect, Louis M. Upton, 111 Ellis street, S. F. Owner, George Hammer. The dwelling will be erected in Piedmont Hills, and has been designed for a ten-room house with three baths and sleeping porches. A separate garage will be erected. Interior of the dwelling will be finished in pine and hardwood with white enamel in the bed rooms. Plans provide for furnace heat and open fire places. Mantels will be of tile and brick. Bath rooms will have tile floors and walls. A hot water circulating system will be installed as will vacuum cleaning. Exterior of the dwelling and garage will be covered with cement plaster on metal lath. Roofs will be of red clay tile. Plans are complete and figures are being taken.

FRESNO, FRESNO CO., CAL.—Residence, 2 story and base, frame, \$2,600. Architect, none. Owner, O. D. Atkins, 743 Weldon street, Fresno. The dwelling will be erected in the Alta Vista Tract and has been designed for a six-room house with bath and sleeping porch. Interior will be finished in pine and redwood. Hardwood floors will be used in the living and dining rooms. There will be open fire place and tile or brick mantel. Tile wainscot will be used in the bath room. An automatic water heater will be installed. Exterior of the house will be covered with cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor. Materials are now being purchased.

FRESNO, FRESNO CO., CAL.—Bungalow, 1 story and base, frame, \$1,500. Architect, none. Owner, C. V. Smith, 1371 De Mar street, Fresno. The dwelling will be erected in Arlington Heights, and has been designed for a five-room house with bath. Interior finish will be of pine and redwood. Hardwood floors will be used in the living and dining rooms. There will be an open fire place and tile mantel. Bath room will have imitation tile wainscot. Exterior of the house will be covered with rustic and cement plaster. Plans are complete and in the hands of the owner who will do the work by Day Labor.

MOONEY'S GROVE, TULARE CO., CAL.—Superintendent's house, 2 story and base, frame. Cost not stated. Architect, none. Owners, Tulare County. Plans have been completed for the construction of a tank house and superintendent's residence to be erected at Mooney Grove. Plans are now out for figures and bids will be opened on April 7th. Plans and specifications can be secured from the Clerk of the Board of Supervisors at Visalia.

SAN FRANCISCO—Residence, 2 story and base, frame, \$2,500. Architects, Rhodes & Marisch, 3372 16th street, S. F. Owner, D. J. Clancy. The dwelling has been designed for a six-room house and will be erected on the west side of 23rd avenue north of Anza. Interior will be finished in pine and redwood. Hardwood floors will be used in the living and dining rooms. There will be an open fire place and tile or brick mantel. Bath room and kitchen will have imitation tile wainscot. An automatic water heater will be installed. Exterior of the house will be covered with rustic and cement plaster on metal lath. Plans are now being prepared.

SAN FRANCISCO—Residence, 2 story and base, frame \$4,600. Architect, O. E. Evans, 2861 Mission street, S. F. Owner's name withheld. The dwelling will be erected on 16th avenue near Geary, and has been designed for a six-room house with bath. Interior will be finished in pine, redwood and hardwood. Hardwood floors will be used in the living and dining rooms and reception hall. There will be furnace heat and open fire places. Mantels will be of tile or brick. Tile wainscot will be used in the bath room. An automatic water heater will be installed. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are now being prepared and when complete the work will be done by Day Labor.

SAN FRANCISCO—Residences, 2, 2 story and base, frame, \$4,500 each. Architect, O. E. Evans, 2861 Mission street, S. F. Owner's name withheld. These two houses will be erected on 10th avenue between Anza and Balboa streets and each has been designed for a six-room house with bath. Interior finish will be of pine, redwood and hardwood. Hardwood floors will be used in the living rooms, dining rooms and reception halls. There will be furnace heat and open fire places. Mantels will be of tile or brick. Tile wainscot will be used in the bath rooms and kitchens. Automatic water heaters will be installed. Exteriors will be covered with rustic and cement plaster on metal lath. Plans are being prepared and when complete the work will be done by Day Labor.

SAN FRANCISCO—Residence alterations and repairs, frame construction, \$14,000. Architects, Bliss & Faville, Balboa Bldg., S. F. Owner, George Potter. The old fashioned residence at the southeast corner of Pacific and Gough streets will undergo extensive alterations. The nature of the work has not been fully decided upon and details cannot be given. Further mention will be made of the work when plans go out for figures.

SAN FRANCISCO—Residence, 2 story and base, frame, \$2,000. Architect, none. A. T. Morris, 501 11th avenue, S. F. The dwelling will be erected on 11th avenue north of Anza and has been designed for a five-room house with bath. Interior will be finished in pine and redwood. Hardwood floors will be used in the living and dining rooms. There will be an open fire place in the living room. Mantel will be of tile or brick. Imitation tile will be used in the bath room. An automatic water heater will be installed. Exterior of the house will be covered with rustic and cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor.

SAN FRANCISCO—Residence, 2 story and base, frame, \$2,800. Architect, none. Owner, Alfred Johnson, 2423 Clement street, S. F. The dwelling has been designed for a seven-room house and will be erected on 20th avenue south of Geary street. Interior will be finished in pine and redwood with some elm panels. Hardwood floors will be used in the principal rooms. There will be open fire places and tile or brick mantels. Bath room will have tile wainscot. An automatic water heater will be installed. Exterior of the dwelling will be cov-

ered with cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor.

SAN FRANCISCO—Residences, 5, 2 story and base, frame, \$5,000 to \$7,000. Architect, H. C. Baumann, Chronicle Bldg., S. F. Owner, E. A. Janssen, Hearst Bldg., S. F. These dwellings will be erected in the Lincoln Manor district and have been designed to contain eight rooms each. The more expensive houses will have two baths. Separate garage will be erected on the property. Interiors will be finished in pine, redwood, southern gum and white enamel. Hardwood floors will be used in the living rooms, dining rooms and reception halls. Plans provide for furnace heat and open fire places. Mantels will be of tile and brick. Automatic water heaters will be installed. Furnace heat is specified. Bath rooms will have tile floors and wainscot. Exteriors will be covered with cement plaster on metal lath. Plans are being prepared and when complete the work will be done by Day Labor.

OAKLAND, CAL.—Residence, 1 story and base, frame, \$3,500. Architect, none. Owner, John A. Brett, 727 59th street, Oakland. The dwelling will be erected on Crescent avenue near Santa Clara and has been designed for a six-room house with bath and sleeping porch. Interior finish will be of pine and redwood. Hardwood floors will be used in the living room and dining room. There will be furnace heat and open fire places. Mantels will be of tile or brick. Tile walls and floor will be used in the bath room. An automatic water heater will be installed. Exterior of the house will be covered with cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor.

SACRAMENTO, CAL.—Residence, 1 story and base, frame, \$1,500. Architect, none. Owner, W. B. Grant, 3231 Orange avenue, Sacramento. The dwelling will be erected on Upper Stockton avenue and has been designed for a five-room house with bath. Interior finish will be of pine and redwood. Hardwood floors will be used in the living and dining rooms. There will be a large open fire place in the living room. Mantel will be of tile. Bath room and kitchen will have imitation tile wainscot. Exterior of the house will be covered with rustic and cement plaster on metal lath. Plans are in the hands of the owner and the work will be done by Day Labor. Materials are now being purchased.

SCHOOLS.

BERKELEY, ALAMEDA CO., CAL.—School, 1 story and base, frame and plaster, \$28,000. Architect, James W. Plachek, Acheson Bldg., Berkeley. Owners, City of Berkeley. The building will be erected on Claremont avenue and will contain six class rooms, manual training and domestic science departments and an assembly hall. Interior finish will be of pine and redwood with maple floors in the class rooms. There will be a central heating system, vacuum cleaning, program clocks. Plans also provide for modern school plumbing. Exterior of the building will be covered with cement plaster on metal lath. A clay tile roof will be used. Plans are complete and figures are being taken. Bids will be opened on March 23rd. Separate bids are being taken for the general construction and the heating and ventilating.

PETALUMA, SONOMA CO., CAL.—School, 2 story and base, brick and steel, \$90,000. Architect, Brainerd Jones, Petaluma. Owners, City of Petaluma. The building will cover a considerable ground area and has been designed to contain ten class rooms, departments of domestic science, manual training and a large auditorium. Interior will be finished in pine with maple floors in the class rooms. There will be steam heat, program clocks and a vacuum cleaning system. Modern school plumbing will be installed. A temporary gymnasium is also included in the work. Exterior of the building will be faced with pressed brick. Plans are complete and separate figures are now being taken for the general construction and for the heating and ventilating. Bids will be opened on March 22nd. Plans can be secured from the architect.

RICHMOND, CONTRA COSTA CO., CAL.—School, 1 story and base, brick, \$12,000. Architect, James T. Narbett, Berry Bldg., Richmond. Owners, City of Richmond. The building will be erected on property at the corner of Pennsylvania and 5th streets, and will be the first unit of a large school. The present building will contain four class rooms. Interior will be finished in pine with maple floors in the class rooms. There will be steam heat and an oil burning plant. Modern school plumbing will be used. Exterior of the building will be faced with pressed brick. Plans are complete and figures are being taken. Bids will be opened on March 27th. Plans and specifications can be secured from the architect.

SEBASTOPOL, SONOMA CO., CAL.—School, 1 story and base, frame. Cost not stated. Architect, W. H. Weeks, 75 Post street, S. F. Owners, Town of Sebastopol. The building has been designed for a four-room school with principal's office. Interior finish will be of pine throughout. There will be a central heating system. Exterior of the building will be covered with cement plaster. Plans are complete and figures are being taken. Bids will be opened on April 2nd. Plans and specifications can be secured from the architect.

WOODLAND, YOLO CO., CAL.—School, 1 story and base, frame and plaster, \$25,000. Architect, W. H. Weeks, 75 Post street, S. F. Owners, City of Woodland. The building will contain six class rooms, assembly hall and two rest rooms. Interior finish will be of pine throughout. Maple floors will be used in the class rooms. There will be a central heating system and modern school plumbing. Exterior of the building will be covered with cement plaster on metal lath. Plans are nearly complete and figures will be called for shortly. Plans are also nearing completion for a second and larger school which will be of the same type of construction and is estimated to cost \$15,000. The building will be covered with cement plaster on metal lath.

WOODLAND, YOLO CO., CAL.—School, 1 story and base, frame and plaster, \$25,000. Architect, W. H. Weeks, 75 Post street, S. F. Owners, City of Woodland. The building will contain six class rooms, assembly hall and two rest rooms. Interior finish will be of pine throughout. Maple floors will be used in the class rooms. There will be a central heating system and modern school plumbing. Exterior of the building will be covered with cement plaster on metal lath. Plans are nearly complete and figures will be called for shortly. Plans are also nearing completion for a second and larger school which will be of the same type of construction and is estimated to cost \$15,000. The building will be covered with cement plaster on metal lath.

WOODLAND, YOLO CO., CAL.—School, 1 story and base, frame and plaster, \$25,000. Architect, W. H. Weeks, 75 Post street, S. F. Owners, City of Woodland. The building will contain six class rooms, assembly hall and two rest rooms. Interior finish will be of pine throughout. Maple floors will be used in the class rooms. There will be a central heating system and modern school plumbing. Exterior of the building will be covered with cement plaster on metal lath. Plans are nearly complete and figures will be called for shortly. Plans are also nearing completion for a second and larger school which will be of the same type of construction and is estimated to cost \$15,000. The building will be covered with cement plaster on metal lath.

concrete, \$35,000. Architect, W. H. Weeks, 75 Post street, S. F. Owners, City of Auburn. Plans for this building have been out for figures for some time and bids were to have been opened on March 11th. The architect announces a postponement in the date of opening figures until March 24th.

BIGGS, BUTTE CO., CAL.—School, 1 story, frame and concrete. Cost not stated. Architect, Chester Cole, Waterland-Breslau Bldg., Chico. Owners, Town of Biggs. The building will be erected just east of the town and has been designed for a district school. Interior will be finished in pine throughout. Stoves will be used for heating. Exterior of the building will be covered with cement plaster on metal lath. Plans are complete and figures will be opened on March 19th. Plans can be secured from either the office of the architect or from the Sacramento Valley Bank at Biggs.

LOS ANGELES, CAL.—School, 1 story and base, brick, \$25,000. Architects, Train & Williams, Exchange Bldg., L. A. Owners, City of Los Angeles. The building will be erected on Manchester avenue and will cover an area of 72 by 100 feet. There will be six class rooms and an auditorium. Interior will be finished in pine throughout. Maple floors will be used in the class rooms. There will be steam heat, modern school plumbing and program clocks. Exterior of the building will be faced with pressed brick. Plans are being completed and figures will be called for shortly.

LOS ANGELES, CAL.—School, 2 story and base, brick, \$45,000. Architects, Alfred W. Rae and Charles E. Garstang, Black Bldg., L. A. Owners, City of Los Angeles. The building will be erected on 68th street and has been designed for an eight-room school, covering an area of 70 by 152 feet. There will be a large auditorium. Interior finish will be of pine with maple floors in the class rooms. Plans provide for steam heat, program clocks and modern school plumbing. Exterior of the building will be faced with pressed brick. Plans are now being prepared.

Contracts Awarded.

SILVERTON, ORE.—School, 2 story and base, brick and tile, \$13,327. Architect, P. Campbell Bowne, Mohawk Bldg., Portland. Owners, Town of Silverton. Contractors, Anderson & Larson, Silverton. Contract price, \$13,327.

SEWERS, STREET WORK & WATER SYSTEMS.

SAN FRANCISCO—Street paving, etc. Cost not stated. Engineer, City Engineer, Temporary City Hall. Owners, City and County of San Francisco. The Secretary of the Board of Public Works has been instructed to advertise for bids on the following street work, the bids to close on March 19th. Ocean and Plymouth avenue; Miguel, between Bemis and Laidley; intersection of Bemis and Miguel, and Naples, between Brazil and Persia. Several contracts were also awarded for street improvements to be made about the city. The Secretary of the Board of Public Works has also been directed to advertise for bids for the improvement of 4th avenue between Irving and Juda streets. The bids on this work will close on March 24th. Fur-

ther information may be had from the Board of Public Works.

RICHMOND, CONTRA COSTA CO., CAL.—Street paving. Cost not stated. Engineer, City Engineer Chapman, Richmond. Owners, City of Richmond. Plans and specifications prepared by City Engineer Chapman for the improvement of Mary street have been accepted by the City Council and bids will probably be called for at the next meeting. The type of paving to be used is Richmond standard macadam.

RICHMOND, CONTRA COSTA CO., CAL.—Sewers. Cost not stated. Engineer, City Engineer Chapman, Richmond. Owners, City of Richmond. The City Engineer has been ordered by the City Council to call for bids for the construction of sewers in the Bay View Park Tract. The bids will close on March 22nd at 8 p. m.

SAN JOSE, SANTA CLARA CO., CAL. Culvert. Cost not stated. Engineer, City Engineer, San Jose. Owners, City of San Jose. The City Engineer has been ordered by the City Council to prepare plans and specifications for a culvert on Orchard street.

SAN JOSE, SANTA CLARA CO., CAL. Street repairs and paving. Cost not stated. Engineer, City Engineer, San Jose. Owners, City of San Jose. Plans and specifications are being prepared for resurfacing and reguttering the following streets: Market street, from San Fernando to St. James; First street, Santa Clara street to the Southern Pacific station; First street, San Salvador to Santa Clara; St. John, First street to Market.

SAN JOSE, SANTA CLARA CO., CAL.—Street paving. Cost not stated. Engineer, City Engineer, San Jose. Owners, City of San Jose. Plans and specifications presented by the City Engineer for paving of North Seventeenth street from Santa Clara to the northerly city limits have been adopted by the City Council, and bids will be called for at an early date.

SAUSALITO, MARIN CO., CAL.—Street paving. Cost not stated. Engineer, City Engineer, Sausalito. Owners, City of Sausalito. The City Trustees have adopted specifications submitted by the City Engineer for the paving of Princess street to the corporate limits, and have decided to submit four propositions in the proposals: Five-inch concrete base with two-inch asphalt surface; four-inch concrete base with an inch and a half asphalt surface; four-inch concrete base with two-inch bitulithic surface; and a six-inch bitulithic pavement. Bids on the work close March 29th at 8 p. m.

SEBASTOPOL, SONOMA CO., CAL.—Sewer work. Cost not stated. Engineer, City Engineer, Sebastopol. Owners, City of Sebastopol. At the last meeting of the Trustees the Town Engineer was instructed to prepare plans and specifications for the extension of the sewer system in North Main street. A six-inch sewer main will be laid to a point about 400 feet north of the present high school building. The engineer will also prepare plans and specifications for a six-inch sewer on South High street and Maple street.

FAIRFIELD, SOLANO CO., CAL.—Road extension and grading. Cost not stated. Engineer, County Surveyor, Fairfield. Owners, Solano County. Plans are complete for the extension of Sacramento street from the city

limits of Vallejo to the main entrance gate of the Union Cemetery in Vallejo Township. Bids are now being taken for the work and will be opened on April 5th. Plans and specifications can be secured from the Clerk of the Board of Supervisors.

GRIDLEY, BUTTE CO., CAL.—Street paving. Cost not stated. Engineer, City Engineer, Gridley. Owners, City of Gridley. The City Engineer has been instructed by the Trustees to prepare levels and the necessary surveys for the paving of certain streets.

UKIAH, MENDOCINO CO., CAL.—Highway construction. Cost not stated. Engineer, County Surveyor, Ukiah. Owners, Mendocino County. At the last meeting of the Board of Supervisors bids for the construction of section No. 2 of the Ten-Mile River road were ordered advertised. Bids were also ordered received for the construction of section No. 3 of the Two Rivers and Covelo road. Bids close on both jobs on April 6th at 2 p. m.

McMINNVILLE, ORE.—Sewer work. Cost not stated. Engineer, City Engineer R. W. Jones, McMinnville. Owners, City of McMinnville. Plans and specifications have been completed under the supervision of City Engineer R. W. Jones for the construction of a trunk sewer system to be built in this city. Bids will be received by City Recorder A. C. Chandler until March 23rd at 7:30 p. m. The contract is to include the following, which are approximate only: 300 lineal feet 6-inch vitrified pipe, 260 lineal feet 10-inch vitrified pipe, 555 lineal feet 12-inch vitrified pipe, 260 lineal feet 16-inch vitrified pipe, 260 lineal feet 18-inch vitrified pipe, 300 lineal feet 22-inch vitrified pipe, 300 lineal feet 24-inch vitrified pipe, 600 lineal feet 30-inch mono. concrete pipe, 23 concrete manholes, 8 concrete catchbasin inlets, 1,227 lineal feet 36-inch mono. concrete pipe, 4,525 lineal feet 48-inch mono. concrete pipe.

PASADENA, LOS ANGELES CO., CAL.—Pipe fittings, etc. Cost not stated. Engineer, City Engineer, Pasadena. Owners, City of Pasadena. Bids will be received by the City Clerk up to 10 a. m. of March 19th, for furnishing the city with 133 12-foot lengths of 24-inch and 260 12-foot lengths of 20-inch cast iron, class A pipe, together with fittings, etc. An alternate proposal will be considered for a similar quantity of class C pipe. Herman Dyer is the City Clerk.

EL CENTRO, IMPERIAL CO., CAL.—Sewer work, \$320,000. Engineer's name not given. Owners, Cities of El Centro and Imperial. The cities of El Centro and Imperial are considering the proposition of an outfall sewer system to New River to serve the two cities. The cost to Imperial would be \$70,000. El Centro plans to vote bonds in the sum of \$250,000 for its share of the outfall sewer construction and for the construction of a lateral system within the city.

SALINAS, MONTEREY CO., CAL.—Highway construction. Cost not stated. Engineer, County Surveyor Howard F. Cozzens, Salinas. Owners, Monterey County. The County Surveyor has been ordered to make a preliminary survey for a new road from Priest Valley road to the end of the Long Valley road in Peach Tree Road District.

Contracts Awarded.

SAN FRANCISCO—Sewer work, \$8,014.50. Engineer, City Engineer, Temporary City Hall, S. F. Owners, City and County of San Francisco. Contractor, F. Rolandi, S. F. Contract price, \$8,014.50.

WILLITS, MENDOCINO CO., CAL.—Sewer work, \$3,382.50. Engineer, City Engineer, Willits. Owners, City of Willits. Contractors, Leach & De Camp, S. F. Contract price, \$3,382.50.

SANTA BARBARA, SANTA BARBARA CO., CAL.—Sewer construction, \$10,440. Engineer, City Engineer, Santa Barbara. Owners, City of Santa Barbara. Contractors, A. L. Pendola and E. A. Garland, Santa Barbara. Contract price, \$10,440.

REDWOOD CITY, SAN MATEO CO., CAL.—Highway construction, \$28,296.75. Engineer, County Surveyor, Redwood City. Owners, San Mateo County. Contractor, Daniel Flynn, S. F. Contract price, \$28,296.75.

PORTLAND, ORE.—Cast iron pipe, \$125,290. Engineer, City Engineer, City Engineer, Portland. Owners, City of Portland. Contractors, United States Cast Iron Pipe Co., Portland. Contract price, 4,250 tons at \$29.48 per ton.

AN OFFICIAL award of contract has been made for the construction of the radio towers at San Diego and Honolulu. The Llewellyn Iron Works of Los Angeles secured both contracts at \$200,000. The work will be done in six months.

MODESTO, STANISLAUS CO., CAL.—Water tank, steel construction, \$5,350. Engineer, City Engineer, Modesto. Owners, City of Modesto. Contractors, Chicago Bridge and Iron Works, Chicago. Contract price, \$5,350.

EAST SAN DIEGO, CAL.—Street paving, etc., \$97,184.72. Engineer, City Engineer, East San Diego. Owners, East San Diego. Contractors, Federal Construction Co., Sharon Bldg., S. F. Contract price, \$97,184.72.

RIVERSIDE, RIVERSIDE CO., CAL.—Highway construction, \$63,954.64. Engineer, County Surveyor, Riverside. Owners, Riverside County. Contractors, B. R. Davison Co., Monrovia. Contract price, \$63,954.64.

STORES AND OFFICES.

SAN FRANCISCO—Market, 1 story and base, brick and steel, \$11,000. Architects, Falch & Knoll, 240 Montgomery street, S. F. Owners, Eisenbach Co. The building will be erected on the south side of Post street west of Larkin, and will have a frontage of 25 feet and a depth of 120 feet. There will be several market stalls. Interior finish will be of white enamel and tile. Tile floor will be used. Considerable marble wainscot and base are specified. Patent store fronts will be installed. Exterior of the building will be faced with pressed brick. Plans are complete and figures are being taken.

SAN FRANCISCO—Tea garden, 1 story, frame, \$3,000. Architect, none. Owners, Oceanside Amusement Co. The building will be erected on property adjoining the Cliff House and will be used for a Tea Garden. Interior will be finished in pine. Plans are complete and in the hands of the owners who will do the work by Day Labor.

OAKLAND, CAL.—Stores and lofts, Class C construction, \$30,000. Archi-

itects, Cunningham & Politeo, First National Bank Bldg., S. F. Owners, Moffatt Estate. The building will be erected on Broadway between 9th and 10th streets, and will contain stores on the first floor and light lofts on the upper two floors. There will be steel frame and brick exterior walls. Interior will be finished in pine throughout. Patent store fronts and plate glass display windows will be installed. Marble base will be used. There will be sidewalk doors and lights. Exterior of the building will be faced with pressed brick. Plans are now being prepared.

MARTINEZ, CONTRA COSTA CO., CAL.—Stores, 2 story and base, frame, \$10,000. Architect, William H. Crim, Jr., 425 Kearny street, S. F. Owner's name withheld. The building will contain several small stores on the first floor and hotel rooms above. Interior will be finished in pine and redwood. There will be modern plumbing and a hot water system. Exterior will be covered with cement plaster and shiplap. Plans are nearly complete and figures will be called for shortly.

LOS ANGELES, CAL.—Stores and lofts, 5 story and base, reinforced concrete, \$135,000. Architect, John F. Blee, Union League Bldg., L. A. Owners, Neptune Meter Co. The building will be erected on property at the northeast corner of Third and Alameda streets, covering an area of 112 by 132 feet. The entire building will be occupied by the owners. Interior finish will be of pine except in the office portion which will be finished in hardwood and ornamental plaster. Plans provide for steam heat, elevator service, vacuum cleaning and metal window sash and frames. Exterior will be faced with pressed brick. Plans are now being prepared and construction will be started within a month or six weeks.

SOUTH PASADENA, LOS ANGELES CO., CAL.—Stores and rooms, 2 story and base, brick. Cost not stated. Architects, George F. Costerisan & J. F. Kavanaugh, California Bldg., L. A. Owner, A. C. Ong. The building will be erected at the corner of Mission street and Fair Oaks avenue, covering an area of 84 by 130 feet. There will be several small stores on the ground floor and a number of single rooms on the upper floor. Interior finish will be of pine and redwood. Patent store fronts are specified. Exterior of the building will be faced with pressed brick. Plans are complete and figures are being taken.

THEATRES.

SANTA ANA, ORANGE CO., CAL.—Theatre, 1 story and base, brick, \$25,000. Architect, J. Flood Walker, 303 East 4th street, Santa Ana. Owners, West End Improvement Association. The building will be erected at the corner of 4th and Birch streets and will cover a large ground area. There will be two stores besides the theatre. Interior will be finished in pine and ornamental plaster. There will be a special ventilating system, special electric work and metal window sash and frames. Exterior of the building will be faced with pressed brick. Plans are now being prepared.

SEALED PROPOSALS**PROPOSALS FOR BUILDING.**

BUILDING, ETC. — Department of the Interior, Office of Indian Affairs, Washington, D. C., March 1, 1915.—Sealed bids plainly marked on the outside of the sealed envelope "Proposals for Addition to Stone Dormitory, Western Navajo School, Arizona," addressed to the commissioner of Indian Affairs, Washington, D. C., will be received at the Indian Office until 2 o'clock p. m. of April 5, 1915, for furnishing materials and labor for the erection of an addition to the stone dormitory for girls at the Western Navajo School, Arizona, in strict accordance with the plans, specifications and instructions to bidders, which may be examined at this office, U. S. Indian warehouses at Chicago, Ill.; St. Louis, Mo., and Omaha, Neb.; the Builders' and Traders Exchange at St. Paul, Minn., and at the Western Navajo School, Arizona. For further information apply to Walter Runke, superintendent, Western Navajo School, Tuba, Ariz. CATO SELLS, commissioner.

PROPOSALS FOR CANAL SUPPLIES.

CANAL CIRCULAR 905—Lumber.—Sealed proposals will be received at the office of the general purchasing officer, the Panama Canal, Washington, D. C., until 10:30 a. m. March 24, 1915, at which time they will be opened in public for furnishing the above mentioned articles. Blanks and general information relating to this circular (No. 905) may be obtained from this office or the offices of the assistant purchasing agent, 1086 North Point street, San Francisco, Cal.; also from the U. S. engineer offices in the following cities: Seattle, Wash.; Los Angeles, Cal. F. C. BOGGS, maj., corps engineers, U. S. A., general purchasing officer.

PROPOSALS FOR ELEVATOR.

ELEVATOR—Sealed proposals, indorsed "Proposals for Elevator," will be received at the bureau of yards and docks, Navy Department, Washington, D. C., until 11 o'clock a. m. April 3, 1915, and then and there publicly opened for an electric passenger elevator in the naval hospital at the naval station, Pearl Harbor, Hawaii. Plans and specifications may be obtained on application to the bureau or to the commandant of the naval station named. H. R. STANFORD, chief of bureau.

PROPOSALS FOR BUOYS.

BUOYS—Sealed proposals will be received at the office of the lighthouse inspector, San Francisco, Cal., until 2 o'clock p. m. April 6, 1915, and then opened, for furnishing two mammoth whistling buoys. Blank proposals and particulars may be obtained by addressing the above office.

NOTICE INVITING PROPOSALS.

THE BOARD OF EDUCATION of the City of Oakland and of the Oakland School District of Alameda County, State of California, requests and will receive Proposals, or Bids, for the furnishing of all the Materials, Labor and Workmanship required in connection with the Tompkins School, and to be erected on the southerly side of Fifth street between Linden and Chestnut streets, in the City of Oakland, Alameda County, California.

All said Materials, Labor and Workmanship is to consist of that required by, and be in accordance with the Plans, Drawings and Specifications prepared therefor and on file in the office of John J. Donovan, the Supervising Architect of the City of Oakland, to which said Plans and Specifications reference is hereby made.

All proposals shall be made upon and conform to the requirements of the forms of Proposals, prepared and furnished by the City, through the Supervising Architect, and shall be enclosed in sealed envelopes, indorsed "Bid for (name of school)," addressed to the Board of Education, and deposited by the bidder, or his agent,

with the Board, while in session, between 4:30 o'clock and 5:30 o'clock P. M., Pacific Time, on the 23rd day of March, 1915, in the rooms of the Board in the City Hall, Oakland, California, and at the expiration of the time named the Bids will be opened, examined and publicly declared in open session of the Board.

Each Bid shall bear an Affidavit of the Bidder as required by section 126 of the Charter of the City of Oakland, and of the form which will be furnished by the City with the Form of Proposal.

No person, firm or corporation shall be allowed to file or be interested in more than one Bid for the same work, and if on opening Bids, more than one Bid appears in which the same person, firm or corporation is interested, all such Bids will be rejected.

No Proposal or Bid will be received or considered which is not accompanied by a check, certified by a responsible bank, payable to the order of Frank M. Smith, City Clerk, in an amount not less than ten per centum (10%) of the aggregate amount of the Proposal. Said Check shall be forfeited to and be retained by the City if the successful Bidder fails or refuses to execute the Contract in the required form and furnish Bonds of the forms to be provided by the City and as required by the Charter of the City of Oakland after receiving notice of award.

After the award and upon the execution of the Agreement, the Contractor shall at the same time execute to the City of Oakland an deliver to the City Clerk a bond guaranteeing to the City the faithful performance of the Contract, and in an amount equal to twenty-five per centum (25%) of the amount named in the Agreement. He shall likewise execute and deliver at the same time another and separate bond to protect any and all persons performing labor upon or furnishing materials to be used upon the said work, and in an amount equal to fifty per centum (50%) of the amount named in said Agreement.

The Contractor will be required to begin work within five (5) days from the execution of the Contract—unless otherwise notified in writing by the Owner or Architect, and to fully complete the entire work in accordance with the requirements of the Agreement, Plans, Drawings and Specifications prepared therefor to the entire satisfaction of the Commissioner of Public Works and the Board of Education, and within the space of One Hundred (100) working days thereafter as defined in the Agreement.

A bound set of the Forms of Proposal, and of the required Affidavits, Agreements, Bonds, Acknowledgments and Specifications will be furnished to Contractors on demand at the office of the Supervising Architect of the City of Oakland, Security Bank Building, corner Eleventh and Broadway. The Plans and Drawings may be had at the said office of the Supervising Architect after Friday, March 5th, 1915, within a reasonable time after application, and upon the deposit of Twenty-five Dollars (\$25.00), which deposit will be returned to the applicant when the said Plans and Drawings are returned to the Architect in good condition, one complete set of Plans and Drawings required for the work will be furnished each applicant for the general Contract work. Additional copies will, however, be furnished provided the applicant pays the cost of reproduction, such additional copies to be returned to the Architect together with the first set.

Each Bidder shall submit a formal bid in strict accordance with and without deviation from the Plans and Specifications, unless such deviation shall have been previously authorized by and written permission therefor obtained from the Supervising Architect; in case any such deviation shall be allowed as aforesaid for the submission of the Bid or award of Contract, notice thereof will be served upon all of the Bidders by the Architect.

All information relative to the requirements for bidding, and all directions necessary to explain and make definite any of the provisions of the Specifications or Drawings will be given by the Supervising Architect upon application at his office. The right is reserved to the Board

in accordance with the provisions of the Charter of the City of Oakland, to reject any or all Bids submitted.

By order of the Board of Education of the City of Oakland, and of the Oakland School District of Alameda County, California.

Dated March 3, 1915.

A. L. HANNAFORD,
Secretary of the Board of Education.

PROPOSALS FOR SEWER SYSTEM.

SEWER SYSTEM—Department of the Interior, Office of Indian Affairs, Washington, D. C.—Sealed proposals plainly marked on the outside of the envelope "Proposals for Construction of a Sewer System, Phoenix Indian School and Sanatorium, Phoenix, Arizona" and addressed to the Commissioner of Indian Affairs, Washington, D. C., will be received at the Indian Office until 2 o'clock p. m. on March 20, 1915, for furnishing materials and labor for the construction of a sewer system at the Phoenix Indian School and Sanatorium, Phoenix, Ariz., in strict accordance with the plans, specifications and instructions at this office, U. S. Indian warehouses at Chicago, Ill.; St. Louis, Mo., and Omaha, Neb.; the Builders and Traders' Exchange at St. Paul, Minn.; at the Phoenix Indian School, Ariz. For further information apply to Charles W. Goodman, superintendent, Phoenix Indian School, Phoenix, Ariz. CATO SELLS, commissioner.

PROPOSALS FOR SUPPLIES...

SUPPLIES—Sealed proposals will be received at the office of the commissioner of fisheries, Department of Commerce, Washington, D. C., until 2 o'clock p. m. April 20, 1915, and then opened, for furnishing general supplies for use on the Pribilof Islands, Alaska. Blank proposals and particulars may be obtained by addressing the above office.

PROPOSALS FOR THE CONSTRUCTION OF THREE ADOBE DAY SCHOOL BUILDINGS.

DEPARTMENT OF THE INTERIOR, Office of Indian Affairs, Washington, D. C., February 12, 1915.—SEALED PROPOSALS, plainly marked on the outside of the sealed envelopes, "Proposals for the construction of three combination adobe day school buildings, San Xavier School, Arizona," addressed to the Commissioner of Indian Affairs, Washington, D. C., will be received at the Indian Office until 2 P. M. of March 22, 1915, for furnishing materials and labor for the construction of three combination adobe day school buildings at Indian Oasis, Ventana, and Comobabi, Indian villages under the jurisdiction of the San Xavier School, Arizona, in strict accordance with the plans, specifications and instructions to bidders, which may be examined at this office, U. S. Indian Warehouse at Chicago, Ill.; St. Louis, Mo., and Omaha, Nebraska; the Builders and Traders' Exchange of St. Paul, Minn., at the San Xavier School, Arizona, and at the office of the newspaper in which this advertisement appears. For further information apply to HENRY J. McQUIGG, Superintendent San Xavier School, Tucson, Arizona. Cato Sells, Commissioner. (*)

INVITATION FOR PROPOSALS.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., February 1, 1915.—SEALED PROPOSALS will be opened in this office at 3 P. M., March 25, 1915, for the construction complete (including mechanical equipment, except elevator, lighting fixtures, and approaches) of the United States Post Office and Court House at Pendleton, Oregon. Three-story and basement, fireproof building; ground area, 5,500 square feet; stone, terra cotta, and brick facing. Drawings and specifications may be obtained, after February 11, 1915, from the Custodian of site at Pendleton, Oregon, or at this office, in the discretion of the Supervising Architect.

O. WENDEROTH, Supervising Architect. (*)

BIDS WANTED FOR ROCK CRUSHER

NAPA, Napa Co., Cal.—SEALED BIDS will be received by the Board of Supervisors on March 23rd, 10 A. M. for furnishing the county with one Austin Gyrratory Rock Crusher, No. 3 with back driving gear and manganese head and conclaves, not mounted.

A certified check of ten per cent of amount bid must accompany each bid, the said check to be made payable to the Chairman of the Board of Supervisors of Napa County.

Further information may be had from N. W. COLLINS, Clerk of the Board of Supervisors at Napa. (*).

BROAD STREETS.

Berlin boasts that Unter den Linden is the broadest actual street to be found in any great city. It is 215 feet wide. Other noble thoroughfares are the Ringstrasse, in Vienna, 188 feet; the Paris Grand boulevards, 122 feet, and the Andrassystrasse in Budapest, 155 feet wide.

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ADVANCE NEWS

Classified according to Location

SAN FRANCISCO.

APARTMENT HOUSE—3 story and base, reinforced concrete, \$30,000. San Francisco. Architects, Koenig & Christiansen, Humboldt Bank Bldg., S. F. Owner, O. A. Craemer. The building will be erected on the east side of Hyde street south of Turk, having a frontage of 55 feet and a depth of 119 feet. There will be a total of twenty-three suites of two and three rooms, all of which will have private bath rooms and wall beds. Interiors will be finished in pine with some elm panels. Plans provide for steam heat and a hot water system. Bath rooms will have tile wainscot and composition floors. Marble and tile wainscot will be used in the lobby. Exterior of the building will be faced with cement plaster. Plans are complete and the work will be done by Day Labor.

APARTMENT HOUSE—3 story and base, frame, \$16,000. San Francisco. Architect, none. Owners, Metropolis Investment Co., 333 Kearny street, S. F. The building will be erected at the corner of Hyde and Sacramento streets covering an area of 39 by 70 feet. There will be a total of eleven suites of three and four rooms. Interiors will be finished in pine with some elm panels and hardwood floors. All apartments will have wall beds and private bath rooms. There will be steam heat and a hot water system. Bath rooms will be finished in imitation tile with composition floors. Exterior of the building will be covered with cement plaster on metal lath. Plans are complete and in the hands of the owners who will do the work by Day Labor. Materials are now being purchased.

BRIDGES—5 reinforced concrete, \$5,000 to \$35,000 each. Challis, Idaho. Engineer, W. W. Breite, Clunie Bldg., S. F. Owners, Custer County. These bridges will be erected along the County Highway system in Custer County. Plans have been completed and figures are now being taken. Bids will be opened by the Board of Supervisors on March 18th. Plans can be secured from the Engineer's office.

FLATS—2 story and base, frame, \$7,000. San Francisco. Architect, E. E. Young, 251 Kearny street, S. F. Owner, Thomas Scoble, 363 14th avenue, S. F. The building will be erected on the west side of Palm avenue north of Euclid, having a frontage of 28½ feet and a depth of 73½ feet. There will be four modern flats of five and six rooms. Interiors will be finished in pine, redwood and hardwood. Hardwood floors will be used in the principal rooms. There will be furnace heat and open fire places. Mantels will be of tile or brick. Tile wainscot and floors will be used in the bath rooms. Automatic water heaters will be installed. Entrances will be finished in tile. Exterior of the building will be covered with rustic and cement plaster on metal lath. Plans are complete and in the hands of the owner

who will do the work by Day Labor.

FLATS—2 story and base, frame, \$3,500. San Francisco. Architect, L. Traverso, 854 Union street, S. F. Owner, Elviri Mori. The building will be erected on the north side of Chestnut street west of Grant avenue, and has been designed to contain two flats of five and six rooms. Interiors will be finished in pine and redwood. Some hardwood floors will be used. There will be open fire places in the living rooms. Mantels will be of tile or brick. Bath rooms will have imitation tile wainscot and composition floors. Exterior of the building will be covered with rustic and cement plaster on metal lath. Plans are now being prepared.

FLATS—2 story and base, frame, \$4,500. San Francisco. Architect, none. Owner, James Gleeson, 581 5th avenue, S. F. The building will be erected on Anza street west of 7th avenue, covering an area of 26 by 62 feet. There will be two flats of five rooms each with private garage in the basement. Interiors will be finished in pine and elm panels. Hardwood floors be used in the living and dining rooms. There will be open fire places and tile or brick mantels. Tile wainscot will be used in the bath rooms. Exterior will be covered with cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor. Materials are now being purchased.

FLATS—2 story and base, frame, \$4,600. San Francisco. Architects, Rhodes & Marisch, 3372 16th street, S. F. Owner, C. Sorenson. The building will be erected on Douglas street near 17th and has been designed to contain four small flats of four and five rooms. Interiors will be finished in pine and redwood. Some elm panels and hardwood floors will be used. There will be open fire places in the living rooms. Mantels will be of tile. Imitation tile wainscot will be used in the bath rooms and kitchens. Exterior will be covered with rustic and shiplap. Plans are now being prepared.

HOTEL—4 story and base, brick and steel, \$20,000. San Francisco. Architect, N. W. Sexton, Chronicle Bldg., S. F. Owner, Mary Trobock. The building will be erected on the east side of Saint Anne street north of Pine, and will have a frontage of 46½ feet and a depth of 52 feet. There will be a total of 50 rooms and several baths. Interiors will be finished in pine and redwood. Plans provide for steam heat, elevator service and a hot water system. Bath rooms will have imitation tile wainscot and composition floors. Exterior of the building will be faced with pressed brick. Plans are complete and figures are now being taken.

HOTEL ADDITION—3 story, frame, \$3,000. San Francisco. Architect, Charles C. Fantoni, 916 Kearny street, S. F. Owner, A. Perta, 429 Fulton street, S. F. This work will consist

of the addition of a number of rooms to the present building located at 429 Fulton street. Interior will be finished in pine. Modern plumbing, electric work and a hot water system will be installed. Exterior of the building will be covered with shiplap. Plans are complete and in the hands of the owner who will do the work by Day Labor.

HOTEL ALTERATIONS—3 story and base, frame, \$10,000. San Francisco. Architect, O. E. Evans, 2861 Mission street, S. F. Owner, Mrs. La Forrest. The present building on Stanyan street near Page occupied as flats will be altered into a modern hotel structure. There will be 25 rooms, public and private baths. Plans provide for steam heat and a hot water system. New interior finish, plastering, plumbing and electric work will be installed. Exterior of the building will be covered with cement plaster on metal lath. Plans are being prepared and figures will be called for inside of two weeks.

FERRY POST OFFICE—2 story and base, Class A construction, \$125,000. San Francisco. Engineer, Assistant state Engineer Newman, Ferry Bldg., S. F. Owners, State of California. Bids were opened at the Thursday meeting of the State Board of Harbor Commissioners for the general construction of the Ferry Post Office. The building will be a two-story, Class A building, costing over \$125,000. Contracts for the foundation work and structural steel have already been awarded. Healy-Tibbitts Construction Co. has the foundation work at \$27,890 and the Pacific Rolling Mills the steel work at \$18,000. Teichert & Ambrose were the low bidders for the general construction at \$74,891. The award of contract was put over until the adjourned meeting of the Board. A complete list of the bids will be found under the heading of San Francisco in this issue.

RESIDENCE—2 story and base, frame, \$2,500. San Francisco. Architects, Rhodes & Marisch, 3372 16th street, S. F. Owner, D. J. Clancy. The dwelling has been designed for a six-room house and will be erected on the west side of 23d avenue north of Anza. Interior will be finished in pine and redwood. Hardwood floors will be used in the living and dining rooms. There will be an open fire place and tile or brick mantel. Bath room and kitchen will have imitation tile wainscot. An automatic water heater will be installed. Exterior of the house will be covered with rustic and cement plaster on metal lath. Plans are now being prepared.

RESIDENCE—2 story and base, frame, \$4,600. San Francisco. Architect, O. E. Evans, 2861 Mission street, S. F. Owner's name withheld. The dwelling will be erected on 16th avenue near Geary, and has been designed for a six-room house with bath. Interior will be finished in pine, red-

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wood and hardwood. Hardwood floors will be used in the living and dining rooms and reception hall. There will be furnace heat and open fire places. Mantels will be of tile or brick. Tile wainscot will be used in the bath room. An automatic water heater will be installed. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are now being prepared and when complete the work will be done by Day Labor.

RESIDENCES—2, 2 story and base, frame, \$4,500 each. San Francisco. Architect, O. E. Evans, 2861 Mission street, S. F. Owner's name withheld. These two houses will be erected on 10th avenue between Anza and Balboa streets, and each has been designed for a six-room house with bath. Interior finish will be of pine, redwood and hardwood. Hardwood floors will be used in the living rooms, dining rooms and reception halls. There will be furnace heat and open fire places. Mantels will be of tile or brick. Tile wainscot will be used in the bath rooms and kitchens. Automatic water heaters will be installed. Exteriors will be covered with rustic and cement plaster on metal lath. Plans are being prepared and when complete the work will be done by Day Labor.

RESIDENCE ALTERATIONS AND REPAIRS—Frame construction, \$14,000. San Francisco. Architects, Bliss & Faville, Balboa Bldg., S. F. Owner, George Potter. The old fashioned residence at the southeast corner of Pacific and Gough streets will undergo extensive alterations. The nature of the work has not been fully decided upon and details cannot be given. Further mention will be made of the work when plans go out for figures.

RESIDENCE—2 story and base, frame, \$2,000. San Francisco. Architect, none. Owner, A. T. Morris, 501 11th avenue, S. F. The dwelling will be erected on 11th avenue north of Anza, and has been designed for a five-room house with bath. Interior will be finished in pine and redwood. Hardwood floors will be used in the living and dining rooms. There will be an open fire place in the living room. Mantel will be of tile or brick. Imitation tile will be used in the bath room. An automatic water heater will be installed. Exterior of the house will be covered with cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor.

RESIDENCE—2 story and base, frame, \$2,800. San Francisco. Architect, none. Owner, Alfred Johnson, 2423 Clement street, S. F. The dwelling has been designed for a seven-room house and will be erected on 20th avenue south of Geary street. Interior will be finished in pine and redwood with some elm panels. Hardwood floors will be used in the principal rooms. There will be open fire places and tile or brick mantels. Bath room will have tile wainscot. An automatic water heater will be installed.

Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor.

STREET PAVING, ETC.—Cost not stated. San Francisco. Engineer, City Engineer, Temporary City Hall, S. F. Owners, City and County of San Francisco. The Secretary of the Board of Public Works has been instructed to advertise for bids on the following street work, the bids to close on March 19th: Ocean and Plymouth avenues; Miguel, between Bemis and Laidley; intersection of Bemis and Miguel, and Naples, between Brazil and Persia. Several contracts were also awarded for street improvements to be made about the city. The Secretary of the Board of Public Works has also been directed to advertise for bids for the improvement of 42nd avenue, between Irving and Judah streets. The bids on this work will close on March 24th. Further information may be had from the Board of Public Works.

APARTMENT HOUSE—4 story and base, brick and steel, \$32,000. San Francisco. Architects, O'Brien Bros., 240 Montgomery street, S. F. Owner, A. Lawson. The building will be erected on the north side of Post street east of Polk, having a frontage of 30 feet and a depth of 120 feet. There will be a total of 18 suites of two rooms and bath each. A large office and lobby are also provided for on the first floor. Interiors will be finished in pine with some hardwood in the living rooms and lobby. Hardwood floors will be used throughout. Plans provide for steam heat, elevator service, a hot water supply and vacuum cleaning. Bath rooms will have tile floors and walls. Wall beds are specified. Exterior of the building will be faced with pressed brick. Plans are complete and figures are being taken.

MARKET—1 story and base, brick and steel, \$11,000. San Francisco. Architects, Falch & Knoll, 240 Montgomery street, S. F. Owners, Eisenbach Co. The building will be erected on the south side of Post street west of Larkin and will have a frontage of 25 feet and a depth of 120 feet. There will be several market stalls. Interior finish will be of white enamel and tile. Tile floor will be used. Considerable marble wainscot and base are specified. Patent store fronts will be installed. Exterior of the building will be faced with pressed brick. Plans are complete and figures are being taken.

TEA GARDEN—1 story, frame, \$3,000. San Francisco. Architect, none. Owners, Oceanside Amusement Co. The building will be erected on property adjoining the Cliff House and will be used for a Tea Garden. Interior will be finished in pine. Plans are complete and in the hands of the owners who will do the work by Day Labor.

RESIDENCES—5 2 story and base, frame, \$5,000 to \$7,000. San Francisco. Architect, H. C. Baumann, Chronicle

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Bldg., S. F. Owner, E. A. Janssen, Hearst Bldg., S. F. These dwellings will be erected in the Lincoln Manor district and have been designed to contain eight rooms each. The more expensive houses will have two baths. Separate garages will be erected on the property. Interiors will be finished in pine, redwood, southern gum and white enamel. Hardwood floors will be used in the living rooms, dining rooms and reception halls. Plans provide for furnace heat and open fire places. Mantels will be of tile and brick. Automatic water heaters will be installed. Furnace heat is specified. Bath rooms will have tile floors and wainscot. Exteriors will be covered with cement plaster on metal lath. Plans are being prepared and when complete the work will be done by Day Labor.

FLATS—2 story and base, frame. Cost not stated. San Francisco. Architect, W. G. Hind, 46 Kearny street, S. F. Owner's name not given. The building has been designed to contain two large residential flats. Interiors will be finished in pine and hardwood with hardwood floors throughout. There will be furnace heat and open fire places. Mantels will be of tile and brick. Bath rooms will have tile floors and walls. Automatic water heaters will be installed. Exterior of the building will be covered with cement plaster on metal lath. Plans are being prepared and will be ready for figures this week.

FLATS—2 story and base, frame, \$5,000. San Francisco. Architect, none. Owner, J. Johnson, 488 9th avenue, S. F. The building will be erected on the

east side of 17th avenue north of California, and has been designed to contain two five-room flats. Basement will be used for a private garage. Interiors will be finished in pine, redwood and elm panels. Hardwood floors will be used in the living and dining rooms and reception hall. There will be open fire places in the living rooms. Mantels will be of tile or brick. Tile wainscot will be used in the bath rooms and kitchens. Automatic water heaters are specified. Exterior of the building will be covered with rustic and cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor.

FLAT ADDITION AND ALTERATIONS—Cost not stated. San Francisco. Architect, Henry Shermund, Mills Bldg., S. F. Owner, E. D. McCrea. The present two-story and basement frame building on Ninth avenue, between J and K streets, will undergo alteration. The plans show a small addition in the rear and new interior finish, plastering, hardwood floors, open fire places, electric work and painting. A contract will be awarded shortly.

CHURCH—1 and 2 story, reinforced concrete, \$35,000. San Francisco. Architects, Shea & Lofquist, Bankers' Investment Bldg., S. F. Owners, St. Monica's Parish, Rev. Father Edward Doran. The building will be designed in the Spanish Mission style, and will contain Sunday school rooms besides the large main auditorium. Only preliminary studies have been made and details of the building can not be given at this time. Further mention will be made of the work shortly.

Contracts Awarded.

APARTMENT HOUSE—4 story and base, brick and steel, \$31,000. San Francisco. Architect, Earl B. Scott, Humboldt Bank Bldg., S. F. Owner, William A. Hinch. Contractors, Ratto & Ratto, S. F. Contract price, \$32,000.

SEWER WORK — \$8,014.50. San Francisco. Engineer, City Engineer, Temporary City Hall, S. F. Owners, City and County of San Francisco. Contractor, F. Rolandi, S. F. Contract price, \$8,014.50.

NOTICE OF NON-RESPONSIBILITY.

Mar. 15, 1915—S POST 199 E Kearny E 74-111 W 197 E 83. Mechanics Institute Bldg. Mechanics' Institute of S F as to improvements on leased property.

Contract For Ferry P.O. To Be Awarded.

Teichert and Ambrose Low Bidders for General Construction and Contract Will Be Let Saturday.

Bids were opened at the Thursday meeting of the State Board of Harbor Commissioners for the general construction of the Ferry Post Office. The building will be a two-story, Class A building, costing over \$125,000. Contracts for the foundation work and structural steel have already been

awarded. Healy-Tibbitts Construction Co. has the foundation work at \$27,690 and the Pacific Rolling Mills the steel work at \$18,000.

Teichert & Ambrose were the low bidders for the general construction at \$74,891. The award of contract was put over until the adjourned meeting of the Board, which will be held on Saturday. Following is a complete list of the bids submitted:

Ferry Post Office.	
Isaac Penny	\$80,980
M. Marcussen	75,000
J. S. Hannah	88,498
J. J. Leonard	75,847
Const & Eng. Co.	78,700
Duncanson-Harrelson Co.	98,845
M. Fisher	82,500
Teichert & Ambrose	74,891
J. Monk	91,781
Clinton Fireproofing Co.	79,450
Grant Fee	99,000
W. D. Henderson	82,888
R. W. Moller	79,700
Ward & Goodwin	87,000

Building Contracts Awarded.

San Francisco

No.	Owner.	Contractor	Amt.
709	Kahn	Brumfield	500
710	Clayton	Nichols	600
711	Martin	Martin	700
712	Gooltz	Gooltz	500
713	Pflueger	Schmitt	500
714	Stock	Stock	400
715	Gunzelmann	Owner	1900
716	Painter	Kenyon	400
717	Kirby	Kirby	3000
718	Nelson	Nelson	3000
719	Pacific G & E	Central	23300
720	Isaac	Ruderman	1825
721	Sunset Feather	Waite	1872
722	Klopstock	McMullin	8842
723	Tobin	Lindgren	22500
724	Homestead	Grahn	1400
725	Medus	Medus	1400
726	Babcock	Babcock	1800
727	King	Knox	1500
728	Stuhr	Stuhr	1000
729	Swift	Brumfield	2975
730	Boisset	Witzelberger	1200
731	Rapp	Fennell	23945
732	Same	Turner	41645
733	Same	Chisholm	90240
734	Honaas	Reite	10800
735	McCulloch	Liebert	4475
736	Johnson	Boxton	3775
737	Props	Props	20000
738	Cochran	Fisher	7000
739	McCreery	McCreery	1200
740	Lynch	Bell	1110
741	Sbarboro	Biller	12800
742	Pates	Pates	4000
743	Jewell	Grahn	1500
744	Merritt	Merritt	2000
745	Legallet	Migneault	2000
746	Albergl	Francesconi	400
747	Regal Shoe	Fink	500
748	Wilson	Farquharson	1200
749	Jeter	Roller	2950
750	Flanagan	Flanagan	5000
751	Wendler	Metter	1100
752	Reardon	Pasqualetti	800
753	St. Francis	St. Francis	5000
754	Andrews	Andrews	1800
755	Wade	Carlson	400
756	McMullin	von Voorhees	400
757	Morris	Morris	2000
758	Oceanside Amus	Owner	3000
759	Gleeson	Gleeson	4500
760	Eisenbach	Eisenbach	11000
761	Johnson	Johnson	2800
762	Alario	Bonaccoro	2100
763	S F Contra Costa Can Co		28300
764	Camacho	Dovenconzi	2240
765	Enright	Segurson	8650
766	San Francisco	Hurley	3078
767	Same	W'n Iron	3460
768	Same	Dicker	1230
769	Same	Gladding	9200
770	Same	Holt	23240
771	Traynor	Schroder	600
772	Nicholson	Eddberg	1500
773	O'Grady	Ward	2000
774	Metco Inst	Owner	16000
775	Halbott	Halbott	3000
776	T. A. H. Co.	Traynor	400
777	Woodside	Woodside	450
778	Neil	Neil	1000
779	Tleman	Phillips	500
780	Hayatt	Hayatt	500
781	Somers	Smith	500
782	Kopankiewz	Gillespie	400

783	Porta	Porta	3000
784	Gunzelmann	Martin	1984
785	Smith	Jones	7110
786	Gray	Hamill	5500
787	San Francisco	Band	838
788	Tietjen	Koenig	3770
789	Samuels	Elam	12592
790	Same	Hadley	5010
791	Same	Sartorius	1870
792	Same	Snook	998
793	Boas	MacDonald	2700
794	Johnson	Johnson	5000
795	De Luca	De Luca	2500
796	Anderson	Anderson	1500
797	S P R R	Brumfield	4900
798	Green	Miller	500
799	Nanking Cafe	Brumfield	750
800	Mangels	Mangels	1950
801	Enterprise	Albrecht	600
802	Gallica	Polati	700
803	Scoble	Scoble	7000
804	Campani	Campani	950
805	Craemer	Craemer	30000
806	Hench	Ratto	29510
807	Silver Palace	Conlin	500
808	Booth	Booth	1000
809	Bennett	Bennett	1000
810	Valvoline	Brumfield	500
811	Meredith	Meredith	900
812	Dyhdal	Dyhdal	400
813	Grahn	Grahn	2500
814	McCulloch	Liebert	4475
815	Ferrario	Olsen	1464
816	Same	Dalziel	642
817	Richter	Mitchell	2000
818	Rapp	Cal Elec.	4750
819	Same	Pac Ext	10965
820	Same	Hurley	3455

FRAME DWELLING

(661) E LA PLAYA 337 S Judah. One and one-half-story and basement frame dwelling.

Owner.....Oscar Heyman & Bro., 742 Market, San Francisco.

Architect...None.

Contractor..Heyman & Bro., 742 Market, San Francisco.

COST, \$1750

NOTE:—Above appeared March 5, 1915, as W 41st Ave 100 N Anza. Owner has since decided to erect building at above location instead.

ELECTRIC SIGN

(709) NW EDDY AND FILLMORE.

Electric sign.

Owner.....Kohn & Greenfield, Prem.

Architect...None.

Contractor..Brumfield Elec. Sign Co.,

18 7th, San Francisco.

COST, \$500

ALTERATIONS

(710) NO. 780 HOWARD. General alterations for office and shop.

Owner.....John J. Clayton, 2216 Clay, San Francisco.

Architect...None.

Contractor..H. D. Nichols, 1381 Stevenson, San Francisco.

COST, \$600

FRAME DWELLING

(711) W TWENTY-THIRD AVE 100 S Vicente. One-story and basement frame dwelling.

Owner.....Edwin Martin, 344 Kirkham, San Francisco.

Architect...None.

Day's work.

COST, \$700

FRAME DWELLING

(712) W DARMOUTH 150 S Woolsey. One-story and basement frame dwlg.

Owner.....Harvey Gooltz, 1692 Post, San Francisco.

Architect...None.

Day's work.

COST, \$500

ALTERATIONS

(713) NO. 1015 GUERRERO. Alter and add to dwelling.

Owner.....A. Pflueger, Premises.

Architect...T. L. Pflueger, Premises.

Contractor..Carl Schmitt, Berkeley.

COST, \$500

ALTERATIONS

(714) SE FOLSOM AND THIRD. Alter saloon.
Owner.....Louis Stock, 1924 Fell, S. F.
Architect...None.
Contractor..Lester N. Stock, 12 Geary, San Francisco.

COST, \$400

ALTERATIONS

(715) NO. 2359 LOMBARD. General alterations and repairs for dwelling.
Owner.....Henry Gunzelmann, Prem
Architect...E. A. Neumarkel, Sharon Bldg., San Francisco.

Day's work. COST, \$1900

GARAGE

(716) W SCOTT 50 S Hayes. One-story frame garage.
Owner.....Jean E. Painter, Vendome Hotel, San Jose.
Architect...None.
Contractor..Kenyon Pacific Co., Market and Franklin, S. F.

COST, \$400

FRAME DWELLING

(717) W TWELFTH AVE 150 N Anza. Two-story and basement frame dwlg.
Owner.....J. C. Kirby, 2152-A Market, San Francisco.
Architect...None.
Day's work. COST, \$3000

FRAME DWELLING

(718) W HILL 132 N Parnassus. Two-story and basement frame dwelling.
Owner.....F. Nelson, 30 Presidio Terrace, San Francisco.
Architect...None.
Day's work. COST, \$3000

FRAME DWELLING

(719) E HAMPSHIRE 65 S 25th. One-story and basement frame dwlg.
Owner.....Ad. Thieler, 2612 25th, San Francisco.
Architect...None.
Contractor..Ad Thieler, 2412 25th, S. F.

COST, \$800

CLASS "A" OFFICE BUILDING

(719) S SUTTER 115-9 E Powell S 137-6xE 45-6. Structural steel and cast iron for eight-story Class "A" office building.
Owner.....Pacific Gas & Electric Co., 445 Sutter, San Francisco.
Achitect...Edgar A. Mathews, Phelan Bldg., San Francisco.
Contractor..Central Iron Works, 651 Florida, San Francisco.

Filed Mar. 8, '15. Dated Mar. 2, '15.
\$30 per ton on arrival of structural steel and cast iron in City and County of San Francisco.
\$5.25 per ton on delivery at building of same and properly fabricated
\$5.25 on complete erection of same
Usual 35 days.....Balance

TOTAL COST, \$54 per ton, not to exceed \$23,300.
Bond, \$12,000. Surety, Hartford Accident & Indemnity Co. Limit, 75 days.
Forfeit, none. Plans and specifications filed.

PAINTING

(720) NW O'FARRELL & DEVISADERO. Painting for store and apartment building.
Owner.....J. D. Isaacs, 32 Battery by Chas. Wright, 25 Stockton, San Francisco.

Architect...J. C. Hladik, Monadnock Bldg., San Francisco.
Contractor..I. Ruderman, 2763 Bush, San Francisco.

Filed Mar. 8, '15. Dated Dec. 22, '14.
As work progresses..... 75%
Usual 35 days..... 25%
TOTAL COST, \$1625
Bond, limit, forfeit, none. Plans and specifications, none.

EXHIBIT BOOTH

(721) EXPOSITION SITE. All work for frame exhibit booth in Manufactures Building.
Owner.....Sunset Feather Co., 1110 Folsom, San Francisco.
Designer...J. J. Baumgartner, 785 Market, San Francisco.
Contractor..C. M. Waite & Co., 2408 Franklin, San Francisco.

Filed Mar. 8, '15. Dated Jan. 8, '15.
Rough frame up.....\$468.12
Brown coated 468.13
Completed and accepted..... 468.13
Usual 35 days..... 468.13
TOTAL COST, \$1872.00

Bond, none. Limit, 30 days. Forfeit, none. Plans and specifications filed.

BRICK WAREHOUSE

(722) W HOWARD 100 N 18th 30x 122-6. All work for three-story brick warehouse.
Owner.....I. D. & F. Klopstock, 18th and Howard, S. F.
Architect...M. I. Schwartz, Nevada Bank Bldg., S. F.
Contractor..McMullin - Von Voorhies Co., 1290 12th Ave., S. F.

Filed Mar. 8, '15. Dated Mar. 1, '15.
2nd floor girders set.....\$2200
Roof boards on..... 2200
Completed and accepted..... 2200
Usual 35 days... 2244
TOTAL COST, \$8844

Bond, \$4500. Sureties, J. W. Schouten and J. H. McCallum. Limit, 45 days.
Forfeit, none. Plans and specifications filed.

NOTE—1st report Feb. 18, 1915, No. 533

FRAME RESIDENCE

(723) S CALIFORNIA 103-1½ E Octavia E 34-4½xS 137-6. All work for three-story and basement frame residence.
Owner.....Constance M. Tobin, Market, Jones and McAllister, San Francisco.

Architect...Willis Folk & Co., Hobart Bldg., San Francisco.
Contractor..Lindgren Co., Monadnock Bldg., San Francisco.

Filed Mar. 8, '15. Dated Mar. 5, '15.
On 15th of each month..... 75%
Usual 35 days..... 25%
TOTAL COST, \$22,500
Bond, none. Limit, Aug. 15, '15. Forfeit, \$15. Plans and specifications filed

DWELLING

(724) S REGENT 125 E San Jose Ave. One-story and basement frame dwlg.
Owner.....Homestead Realty Co., Mutual Bank Bldg., S. F.
Architect...None.
Contractor..Wm. H. Grahn, 2840 Bryant, San Francisco.

COST, \$1400

FRAME DWELLING

(725) N MULLEN 155 E Alabama. One-story and basement frame dwlg.
Owner.....Peter Medus, 56 Mullen Ave., San Francisco.
Architect...None.

Contractor..Peter Medus, 56 Mullen Ave., San Francisco.
COST, \$1400

FRAME DWELLING

(726) E TWENTY-FOURTH AVE 300 S Irving. One-story and basement frame dwelling.
Owner.....John Babcock, 1273 17th Ave., San Francisco.
Architect...None.
Day's work. COST, \$1800

FRAME DWELLING

(727) S GEARY 90 E 27th Ave. One-story and basement frame dwelling.
Owner.....Wm. H. King, 655 5th Ave., San Francisco.
Architect...None.
Contractor..Orrin Knox, 624 7th Ave., San Francisco.

COST, \$1500

FRAME BAKERY

(728) N NINETEENTH 162-11 W Guerrero. One-story frame bakery.
Owner.....C. G. Stuhr, 1332 Church, San Francisco.
Architect...None.
Day's work. COST, \$1000

ELECTRIC SIGN

(729) NW PACIFIC AND DAVIS. Construct and install one single faced electric sign.
Owner.....Swift & Co., Premises.
Architect...None.
Contractor..Brumfield Elec. Sign Co., 18 7th, San Francisco.

COST, \$2975

FRAME COTTAGE

(730) SE LONDON 50 SW Italy Ave SW 25xSE 100. All work except grading, rat proofing, shades and lighting fixtures for frame cottage.
Owner.....Bertin Boisset, SE London and Italy Ave., S. F.
Architect...None.
Contractor..J. Witzelberger, 176 Rousseau, San Francisco.

Filed Mar. 9, '15. Dated Mar. 6, '15.
Frame up\$400
Brown coated 300
Outside finished 200
Entire work completed..... 300
TOTAL COST, \$1200

Bond, none. Limit, 15 days. Forfeit, none. Plans and specifications filed.

WAREHOUSE

(731) SW DIVISION AND KANSAS S 260 W 200 N 191 NE to S line of Division E 57 P N 133. Masonry work for four-story mill constructed warehouse building.
Owner.....Jno. G. Rapp, 1500 Bryant, San Francisco.

Architect...Leb J. Devlin, 731 Pacific Bldg., San Francisco.
Contractor..Jas. S. Fennell, 180 Jessie, San Francisco.

Filed Mar. 9, '15. Dated Mar. 8, '15.
On 1st and 15th of each month 75%
Usual 35 days..... 25%
TOTAL COST, \$23,945

Bond, \$12,000. Sureties, E. J. Sullivan and J. W. Smith. Limit, as fast as possible. Forfeit, \$5. Plans and specifications filed.

(732) PILING & CONCRETE WORK

on above.
Contractor..The Turner Co., 278 Natoma, San Francisco.
Filed Mar. 9, '15. Dated Mar. 8, '15.
Payments same as above.....
TOTAL COST, \$41,645

Bond, \$21,000. Surety, Massachusetts Bonding & Insurance Co. Limit, 75 days. Forfeit, \$5. Plans and specifications filed.

(733) CARPENTRY WORK ON ABOVE
Contractor...R. A. Chisholm, 180 Jessie, San Francisco.

Filed Mar. 9, '15. Dated Mar. 8, '15.

Payments same as above.....

TOTAL COST, \$90,240

Bond, \$46,000. Sureties, A. Mahoney and W. B. Morris. Limit, as fast as possible. Forfeit, \$5. Plans and specifications filed.

APARTMENT BUILDING

(734) E GOUGH 55 S Green S 29xE 100
All work except painting for three-story and basement frame apartment building.

Owner.....C. A. Honaas.

Architect...O. E. Evans, 2861 Mission, San Francisco.

Contractor...J. B. Reite, 110 Jessie, San Francisco.

Filed Mar. 9, '15. Dated Mar. 9, '15.

Frame up\$2700

Brown coated 2700

Finished and accepted..... 2700

Usual 35 days..... 2700

TOTAL COST, \$10,800

Bond, none. Limit, 100 days. Forfeit, none. Plans and specifications filed.

FRAME FLATS

(735) — ANZA 57-6 W Ninth Ave —
25 N 100 E 25 S 100. All work for two-story and basement frame flats.

Owner.....John McCulloch, 80 Alvarado, San Francisco.

Architect...John B. Glunz (non-certificated).

Contractor...Liebert & Martinelli, 159 Julian Ave., San Francisco.

Filed Mar. 9, '15. Dated Mar. 9, '15.

Frame up\$118.75

Brown coated 118.75

Completed and accepted..... 118.75

Usual 35 days..... 118.75

TOTAL COST, \$4475.00

Bond, \$2250. Sureties, John Banachowski & Pilade Carmignani. Limit, 90 days from March 9. Forfeit, \$3. Plans and specifications filed.

FRAME RESIDENCE

(736) S CARRILLO 90 E 35th Ave E
30xS 90. All work for two-story and basement frame residence.

Owner.....Bessie W. Johnson.

Architect...Joseph T. Carter, 1st National Bank Bldg., S. F.

Contractor...Geo. W. Boxton & Son, Hearst Bldg., S. F.

Filed Mar. 9, '15. Dated Mar. 8, '15.

1st and 15th of each month... 75%

Usual 35 days..... 25%

TOTAL COST, \$3778

Bond, \$1889. Surety, New Amsterdam Casualty Co. Limit, 70 days. Forfeit, \$10. Plans and specifications filed.

BRICK APARTMENTS

(737) S POST 170 W Larkin. Four-story and basement brick (12) apartments.

Owner.....W. Props, 1301 Gough, San Francisco.

Architect...Rousseau & Rousseau, French Bank Bldg., S. F.

Day's work. COST, \$20,000

FRAME DWELLING

(738) W FOURTEENTH AVE 230 S Geary. Two-story and basement frame dwelling.

Owner.....C. Cochran.

Architect...D. C. Coleman, 702 Merchants National Bank Bldg San Francisco.

Contractor...M. Fisher, 102 Montgomery San Francisco.

COST, \$7000

ALTERATIONS

(739) N PINE 100 W Sansome. Alter partition and install vault.

Owner.....McCreery Estate, 221 Sansome, San Francisco.

Architect...C. P. Weeks, Mutual Bank Bldg., San Francisco.

Day's work. COST, \$1200

ALTERATIONS

(740) S BUSH 103-6 E Grant Ave. Erect new brick store front.

Owner.....Chas. W. Lynch, Monadnock Bldg., S. F.

Architect...J. C. Hladik, Monadnock Bldg., San Francisco.

Contractor...Wm. R. Bell.

COST, \$1110

FRAME FACTORY

(741) SW JONES & NORTH POINT. Two-story frame factory building.

Owner.....A. Sbarboro et al, 460 Montgomery, S. F.

Architect...John H. Power, 460 Montgomery, San Francisco.

Contractor...John Biller, 460 Montgomery, San Francisco.

COST, \$12,800

FRAME STORES

(742) SW MOULTON & FILLMORE. One-story frame stores.

Owner.....Gus J. Pates, 2400 Van Ness Ave., San Francisco.

Architect...George L. Streshly, 2400 Van Ness Ave., S. F.

Day's work. COST, \$4000

FRAME DWELLING

(743) E HAMBURG 25 N Joost. One-story and basement frame dwlg.

Owner.....B. C. Jewell, 1179 Oak, San Francisco.

Architect...None.

Contractor...Wm. H. Grahn, 2840 Bryant, San Francisco.

COST, \$1500

FRAME STORES

(744) SE STEINER & CHESTNUT. One-story frame stores.

Owner.....Harry P. Merritt, 2400 Van Ness Ave., San Francisco.

Architect...George L. Streshly, 2400 Van Ness Ave., S. F.

Day's work. COST, \$2000

ALTERATIONS

(745) S ARTHUR 107-6 E Phelps. Alterations, repairs and additions for refrigerator plant.

Owner.....Arthur Legallet, 3432 25th, San Francisco.

Engineer...Edgar Roseberry, 1269 Potrero Ave., S. F.

Contractor...Octave Migneault 30 Seres, San Francisco.

COST, \$2000

FRAME OFFICE

(746) NO. 2385 LOMBARD. One-story frame office.

Owner.....O. Allberg, Premises.

Architect...None.

Contractor...D. Francesconi, 154 Pixley San Francisco.

COST, \$400

ALTER STORE

(747) NO. 760 MARKET. Alter store.

Owner.....The Regal Shoe Co., Phe-lan Bldg., San Francisco.

Architect...None.

Contractor...The Fink & Schindler Co., 228 13th, San Francisco.

COST, \$500

ALTERATIONS

(748) E MASON 125 S Geary. En-large hotel office and minor changes.

Owner.....Wilson Estate Co.

Architect...None.

Contractor...D. B. Farquharson, 1760 Ellis, San Francisco.

COST, \$1200

FRAME RESIDENCE

(749) W CORDOVA 233 N Athens. One-story and basement frame residence.

Owner.....Jessie P. and Julia Jeter, Premises.

Architect...O. E. Evans & Co., Inc., 2861 Mission, San Francisco

Contractor...Edwin Roller, 477 27th, San Francisco.

COST, \$2950

FRAME FLATS

(750) W ELEVENTH AVE 100 N Fulton. Two-story and basement frame (2) flats.

Owner.....James Flanagan, 139 Central Ave., San Francisco.

Architect...Theo. W. Lenzen, 709 Humboldt Bank Bldg., S. F.

Day's work. COST, \$5000

WAREHOUSE

(751) W ELEVENTH 60 S Minna. One-story frame warehouse.

Owner.....Weiller Bros., 120 11th, San Francisco.

Architect...None.

Contractor...Louis Metter, 157 Albion Ave., San Francisco.

COST, \$1100

ALTERATIONS

(752) NO. 315 BRODERICK. Alter 1st frame building for laundry.

Owner.....M. Reardon, Premises.

Architect...None.

Contractor...J. Pasqualetti, 785 Market, S. F.

COST, \$800

ADDITION

(753) NE BUSH AND HYDE. Class "A" addition to present building.

Owner.....St. Francis Hospital, Prem

Architect...A. I. Coffey, 812 Humboldt Bank Bldg., S. F.

Day's work. COST, \$5000

DWELLING

(754) NW LONDON 175 SW Persia. One and one-half-story and basement frame dwelling.

Owner.....John Andrews, 633 London San Francisco.

Architect...None.

Day's work. COST, \$1800

ALTERATIONS

(755) S CHENERY 50 E Hamerton. Raise and alter dwelling.

Owner.....Wade & Carlson, 71 Pierce San Francisco.

Architect...None.

Contractor...Wade & Carlson, 71 Pierce S. F.

COST, \$400

FRAME STAND

(756) S BAY 37 E Van Ness (rear). One-story frame tobacco stand.

*Owner.....McMullin-von Voorhies Co.
110 Jessie, San Francisco.
Architect...O. R. Thayer, 20 Mont-
gomery, San Francisco.
Day's work. COST, \$400

FRAME DWELLING

(757) W ELEVENTH AVE 75 N Anza.
Two-story and basement frame dwlg
Owner.....A. T. Morris, 501 11th Ave.,
San Francisco.
Architect...None.
Day's work. COST, \$2900

FRAME BUILDING

(758) W GREAT HIGHWAY 40 N
Cliff House Building. One-story and
basement frame building (tea gar-
den).
Owner.....Oceanside Amusement Co.,
Cliff House, S. F.
Architect...None.
Day's work. COST, \$3000

FRAME FLATS

(759) W ANZA 106-8 W Seventh Ave.
Two-story and basement frame (2)
flats.
Owner.....James Gleeson, 581 5th
Ave., San Francisco.
Architect...None.
Day's work. COST, \$4500

BRICK MARKET

(760) S POST 120 W Larkin. One-
story brick market building.
Owner.....Eisenbach Co., 408 Flat-
iron Bldg., S. F.
Architect...None.
Day's work. COST, \$11,000

FRAME DWELLING

(761) W TWENTIETH AVE 300 S
Geary. Two-story and basement
frame dwelling.
Owner.....Alfred Johnson, 2423 Cle-
ment, San Francisco.
Architect...None.
Day's work. COST, \$2800

FRAME STORE AND FLAT

(762) S COR. VIRGINIA & BANK.
All work except gas and electric fix-
tures, window shades and electric
work for two-story frame store and
flat.
Owner.....Innocenzo and Salvatora
Alario, 61 Manchester, S. F.
Architect...None.
Contractor..Francesco & Giuseppe
Bonoccorso.
Filed Mar. 10, '15. Dated Mar. 8, '15.
Rough work and roof on.....\$525
Brown coated 525
Completed and accepted..... 525
Usual 35 days..... 525
TOTAL COST, \$2100
Bond, none. Limit, 90 days after Mar.
9. Forfeit, none. Plans and specifi-
cations filed.

EXCAVATION, ETC.
(763) BLOCK BDED BY LARKIN,
McAllister, Hyde and Fulton. Ex-
cavating and foundation for San
Francisco Public Library.
Owner.....The City and County of
San Francisco.
Architect...Geo. W. Kelham, Sharon
Bldg., San Francisco.
Contractor..Contra Costa Constr. Co.,
330 10th, San Francisco.
Filed Mar. 10, '15. Dated Mar. 9, '15.
Progressive payments on 1st of
each month of 75%
Usual 35 days..... 25%
TOTAL COST, \$28,300

Bond, \$14,150. Surety, Pacific Coast
Casualty Co. Limit, 75 days. Forfeit,
\$10. Plans and specifications filed.

FRAME BUILDING

(764) N VALLEJO 235 W Montgomery
20x137-6. All work except finish
hardware, shades, fixtures and ce-
ment floors for two-story and base-
ment frame building.
Owner.....Louis J. Camicia and El-
bert Garrity, 410 Vallejo,
San Francisco.
Architect...None.
Contractor..Devencenzi Bros. & Co.,
1069 Union, San Francisco.
Filed Mar. 10, '15. Dated Mar. 1, '15.
Roof on\$560
Brown coated 560
Completed 560
Usual 35 days..... 560
TOTAL COST, \$2240
Bond, limit, forfeit, plans and specifi-
cations, none.

FRAME FLATS

(765) N McALLISTER 75 W Willard
W 25xN 100. Labor, lumber, mill,
painting, tinning, electric work, con-
crete floor, hardware, foundation,
patent flue and asphalt roof for two-
story and basement frame flats.
Owner.....Helen V. Enright (wife
Patrick J. Enright) and
Mary A. Murphy.
Architect...None.
Contractor..Segurson Bros., 308 Guer-
rero, San Francisco.
Filed Mar. 10, '15. Dated Mar. 9, '15.
Frame up\$762.50
Brown coated 762.50
Completed and accepted..... 762.50
Usual 35 days..... 762.50
TOTAL COST, \$3050.00
Bond, \$1525. Surety, Massachusetts
Bonding & Insurance Co. Limit, 90
days. Forfeit, none. Plans and specifi-
cations filed.

HEATING AND VENTILATING

(766) SW TWENTY-FOURTH AND
Bartlett W 117-6xS 65. Heating and
ventilating for Mission Branch of
San Francisco Public Library.
Owner.....City and County of S. F.
Architect...S. Albert Lansburgh, 709
Mission, San Francisco.
Contractor..J. C. Hurley Co., 509 6th,
San Francisco.
Filed Mar. 10, '15. Dated Mar. 9, '15.
When ducts installed and oil
tank in\$750
Complete apparatus in..... 750
Completed and accepted..... 750
Usual 35 days..... 828
TOTAL COST, \$3078
Bond, \$770. Surety, New England
Casualty Co. Limit, 165 days. Forfeit,
\$10. Plans and specifications filed.

(767) STRUCTURAL STEEL & IRON

work on above.
Contractor..Western Iron Works, 141
Beale, San Francisco.
Filed Mar. 10, '15. Dated Mar. 9, '15.
Frame ready for trusses.....\$865
Trusses in place..... 865
Completed and accepted..... 865
Usual 35 days..... 865
TOTAL COST, \$3460
Bond, \$1730. Surety, Pacific Coast
Casualty Co. Limit, 60 days. Forfeit,
\$10. Plans and specifications filed.

(768) ELECTRIC WORK ON ABOVE.

Contractor..Decker Elec. Co., 111 New
Montgomery, S. F.

Filed Mar. 10, '15. Dated Mar. 9, '15.
Conduit roughed in.....\$450
Completed and accepted..... 450
Usual 35 days..... 330
TOTAL COST, \$1230

Bond, \$615. Surety, Pacific Coast
Casualty Co. Limit, 165 days. Forfeit,
\$10. Plans and specifications filed.

(769) ARCHITECTURAL TERRA

cotta on above.
Contractor..Gladding & McBean Co.,
Crocker Bldg., S. F.
Filed Mar. 10, '15. Dated Mar. 9, '15.
Material required for lower story
up to main floor line delivered..\$2300
All material from main line to
bottom line cornice delivered.. 2300
Completed and accepted..... 2300
Usual 35 days..... 2300
TOTAL COST, \$9200
Bond, \$4600. Surety, Equitable Surety
Co. Limit, 100 days. Forfeit, \$10.
Plans and specifications filed.

(770) EXCAVATION, CONCRETE

brick, terra cotta, granite, carpenter,
kalamein, furring, lath, plaster, iron,
roofing, sheet metal, marble, mosaic,
glazing and hardware on above.
Contractor..O. C. Holt, 110 Jessie,
San Francisco.
Filed Mar. 10, '15. Dated Mar. 9, '15.
Concrete foundation in.....\$2000
Main floor slab in place and brick
and terra cotta to main floor.. 3000
All brick and terra cotta in.... 3000
Roof done and brown coated.. 3500
Plastering done and sash glazed 3000
Completed and accepted..... 4430
Usual 35 days..... 6310
TOTAL COST, \$25,240
Bond, \$12,620. Surety, Pacific Coast
Casualty Co. Limit, 110 days after
steel in. Forfeit, \$10. Plans and specifi-
cations filed.

ADDITION

(771) NO. 569 DUBOCE. Add sun room
and sleeping porch.
Owner.....John Traynor.
Architect...Albert W. Burgren, 58
Sutter, San Francisco.
Contractor..Schroder & McIntosh, 765
Folsom, San Francisco.
COST, \$600

DWELLING

(772) W STANYAN 270-4½ N Belgrave.
One-story and basement frame dwlg.
Owner.....R. M. Nicholson, Premises
Architect...O. E. Evans Co., Inc., 2861
Mission, San Francisco.
Contractor..O. Edberg, 1935 15th, S. F.
COST, \$1500

REPAIRS

(773) CALIFORNIA, MASON AND
Powell (Fairmont Hotel). Repair
sidewalk and concrete belt courses
and terra cotta.
Owner.....Teresa Oelrichs, Fairmont
Hotel, San Francisco.
Architect...None.
Contractor..Ward & Goodwin, 110
Jessie, San Francisco.
COST, \$2000

FRAME APARTMENTS

(774) NW HYDE & SACRAMENTO.
Three-story and basement frame (11)
apartments.
Owner.....Metropolis Investment Co.,
333 Kearny, San Francisco.
Architect...None.
Day's work. COST, \$16,000

FRAME DWELLING

(775) E EIGHTEENTH AVE 225 S
Geary. Two-story and basement
frame dwelling.
Owner.....Mary B. Hallett, 1263 7th
Ave., San Francisco.
Architect...None.
Contractor...E. B. Hallett, 1265 7th
Ave., San Francisco.

COST, \$3000

BEAMS, ETC.

(776) NO. 2200 VALLEJO. Erect
beams and wall boards.
Owner.....G. H. Tryon, Premises.
Architect...None.
Day's work. COST, \$400

REPAIR FIRE DAMAGE

(777) NO. 231 JOOST AVE. Repair
fire damage.
Owner.....A. Woodside, Filbert and
Broderick, San Francisco.
Architect...None.
Day's work. COST, \$450

FRAME DWELLING

(778) S MORAGA 110 E La Playa.
One-story and basement frame dwlg.
Owner.....Alexander Neil, 1242 45th
Ave., San Francisco.
Architect...None.
Day's work. COST, \$1000

MARQUISE

(779) NO. 2799 HYDE. Erect marquise.
Owner.....Wm. Tienann, Premises.
Architect...None.
Contractor...T. N. Phillips, Filbert &
Laguna, San Francisco.
COST, \$500

FRAME DWELLING

(780) NO. 264 TEDDY AVE. One-
story and basement frame dwelling.
Owner.....C. B. Huyett, 85 3rd, S. F.
Architect...None.
Day's work. COST, \$500

MARQUISE

(781) NO. 440 GEARY. Erect mar-
quise.
Owner.....Somers Estate Co., 240
California, San Francisco.
Architect...None.
Contractor...C. O. Smith, 240 California,
San Francisco.
COST, \$500

NEW FRONT

(782) NO. 1712 DIVISADERO. New
front.
Owner.....A. Kopankiewz, Premises.
Architect...None.
Contractor...G. G. Gillespie, 180 Jessie,
San Francisco.
COST, \$400

ANNEX FRAME HOTEL

(783) S FULTON 75-3 E Octavia.
Annex for three-story frame hotel.
Owner.....A. Porta, 429 Fulton, S. F.
Architect...None.
Day's work. COST, \$3000

ALTER RESIDENCE

(784) S LOMBARD 166-8 E Scott; No.
2359 Lombard. Alterations and addi-
tions except shades, light fixtures
and inside painting for frame resi-
dence.
Owner.....Henry Gunzelmann, 2359
Lombard, San Francisco.
Architect...E. A. Neumarkel, Sharon
Bldg., San Francisco.
Contractor...Wm. Martin, 110 Jessie,
San Francisco.

Filed Mar. 11, '15. Dated Mar. 10, '15.

Plaster on\$784
Completed and accepted..... 700
Usual 35 days..... 500

TOTAL COST, \$1984

Bond, \$992. Surety, Pacific Coast Casu-
alty Co. Limit, 35 days. Forfeit, none.
Plans and specifications filed.

FRAME FLATS

(785) E SEVENTH AVE 362-5 1/2 N
Lake N 30xE120. All work except
gas and electric fixtures, finish hard-
ware, shades for two-story and base-
ment frame flats.

Owner.....W. I. Smith, Burlingame,
California.

Architect...Edw. E. Young, 251 Kear-
ny, San Francisco.

Contractor...Paul K. Jones, 180 Jessie,
San Francisco.

Filed Mar. 11, '15. Dated Mar. —, '15.
Frame up & roof boards on...\$1777.50
Brown coated 1777.50
Completed and accepted..... 1777.50
Usual 35 days..... 1777.50

TOTAL COST, \$7110.00

Bond, \$3555. Sureties, P. Filippini and
S. W. Fuller. Limit, 90 days. Forfeit,
none. Plans and specifications filed.

FRAME RESIDENCES

(786) E EIGHTEENTH AVE 100 S
Geary S 50xE 120 O L 267. All work
except gas and electric fixtures for
two two-story frame residences.

Owner.....John Gray, 2252 Clement,
San Francisco.

Architect...None.

Contractor...Thos. Hamill, 268 25th Ave
San Francisco.

Filed Mar. 11, '15. Dated Mar. 8, '15.
Rough frame up and roof on...\$1375
Brown coated 1375
Completed and accepted..... 1375
Usual 35 days..... 1375

TOTAL COST, \$5500

Bond, none. Limit, 70 days. Forfeit,
none. Plans and specifications filed.

NOTE:—One building will be erected
E 18th Ave 125 S Geary.

PLUMBING AND GAS FITTING

(787) SW TWENTY-FOURTH AND
Bartlett W 117-6xS 65. Plumbing
and gas fitting for Mission Branch of
San Francisco Public Library.

Owner.....City and County of S. F.
by Board of Trustees of the
Public Library and Reading Rooms.

Architect...G. Albert Lansburgh, 709
Mission, San Francisco.

Contractor...S. W. Band, 318 Ellis,
San Francisco.

Filed Mar. 11, '15. Dated Mar. 9, '15.
Roughed in\$314
Completed and accepted..... 314
Usual 35 days..... 210

TOTAL COST, \$838

Bond, \$419. Sureties, R. W. Kenney &
C. W. Morris. Limit, 165 days. Forfeit
\$10. Plans and specifications filed.

FRAME RESIDENCE

(788) W FIFTEENTH AVE 175 N "J"
N 25xW 127-6. All work for two-
story and basement frame residence.
Owner.....Edward Tietjen, 2430 Har-
rison, San Francisco.

Architect...Matthew O'Brien, 68 Post,
San Francisco.

Contractor...Ludwig B. G. Koenig, 3525
19th, San Francisco.

Filed Mar. 11, '15. Dated Mar. 11, '15.
Frame up\$942.50

Roof on and brown coated.... 942.50
Completed and accepted..... 942.50
Usual 35 days..... 942.50

TOTAL COST, \$3770.00

Bond, \$1885. Sureties, Wm. A. Newsom
and O. A. Craemer. Limit, 90 days.
Forfeit, \$10. Plans and specifications
filed.

ALTERATIONS

(789) NW STOCKTON & O'FARRELL
W 137-6xN 137-6. Carpenter, mill,
removal of old finish, store fronts,
show windows, alterations to new
store fronts, glass, glazing, Kawneer
bars, marble and mosaic, painting,
plastering, etc., for alterations to
stores in building.

Owner.....D. Samuel Co., Premises.
Architect...Henry H. Meyers, Clunie
Bldg., San Francisco.

Contractor...Thomas Elam & Son, 180
Jessie, San Francisco.

Filed Mar. 11, '15. Dated Mar. 11, '15.
On 10th of each month..... 75%
36 days after, balance..... 25%

TOTAL COST, \$12,592

Bond, \$6296. Surety, Pacific Coast
Casualty Co. Limit, 50 days. Forfeit,
\$30. Plans and specifications filed.

(790) HOLLOW TILE PARTITIONS,
concrete floor panels, brick work,
self centering, floor work on above.
Contractor...Chas. B. Hadley, 180 Jessie
San Francisco.

Filed Mar. 11, '15. Dated Mar. 10, '15.
Payments same as above.....

TOTAL COST, \$5010

Bond, \$2505. Surety, The Aetna Acci-
dent & Liability Co. Limit, 30 days.
Forfeit, \$30. Plans and specifications
filed.

(791) METAL STAIRWAYS, COMPO-
sition treads, marble treads and
landings, rails, etc., on above.

Contractor...Sartorius Co., Inc., 15th &
Utah, San Francisco.

Filed Mar. 11, '15. Dated Mar. 10, '15.
Payments same as above.....

TOTAL COST, \$1870

Bond, \$935. Surety, Pacific Coast
Casualty Co. Limit, 30 days. Forfeit,
\$20. Plans and specifications filed.

(792) PLUMBING, ETC., ON ABOVE.
Contractor...Frederick W. Snook, 596
Clay, San Francisco.

Filed Mar. 11, '15. Dated Mar. 10, '15.
All work roughed in.....\$500
Completed and accepted..... 248
36 days after..... 250

TOTAL COST, \$998

Bond, \$499. Surety, United States Fi-
delity & Guaranty Co. Limit, 20 days.
Forfeit, \$20. Plans and specifications
filed.

ALTERATIONS

(793) NO. 880 MISSION near Fifth.
Alterations and additions of one-
story to present two-story bldg.

Owner.....Judah Boas, 454 Mont-
gomery, San Francisco.

Architect...Milton Lichtenstein, 111
Ellis, San Francisco.

Contractor...MacDonald & Kahn, Rialto
Bldg., San Francisco.

Filed Mar. 12, '15. Dated Mar. 11, '15.
Roof on added story.....\$1000
Completed and accepted..... 1025
Usual 35 days..... 675

TOTAL COST, \$2700

Bond, \$1325. Surety, Massachusetts
Bonding & Insurance Co. Limit, April

19. Forfeit, none. Plans and specifications filed.

FRAME FLATS

(791) E SEVENTEENTH AVE 275 N California. Two-story and basement frame (2) flats.

Owner.....J. Johnson, 488 9th Ave., San Francisco.

Architect...None.

Day's work. COST, \$5000

DWELLING

(795) E JONES 37-6 S Lombard. One-story and basement frame dwelling.

Owner.....R. De Luca, 2232 Jones, San Francisco.

Architect...T. Patterson Ross, 210 California, San Francisco.

Contractor..R. De Luca, 2232 Jones, San Francisco.

COST, \$2500

DWELLING

(796) E DE HARO 93 S 23rd. One and one-half-story and basement frame dwelling.

Owner.....Gustav and Hilda Anderson, 1139 De Haro, S. F.

Architect...None.

Contractor..Gustave Anderson, 1139 De Haro, San Francisco.

COST, \$1500

ELECTRIC SIGNS

(797) NE POWELL AND MARKET. (Flood Bldg.) Three electric signs.

Owner.....Southern Pacific Railroad, Premises.

Architect...None.

Contractor..Brumfield Elec. Sign Co., 18 7th, San Francisco.

COST, \$4900

ALTERATIONS

(798) E TWENTY-FIFTH AVE 125 N Clement. Alter and move cottage.

Owner.....J. H. Green, 2513 Clement, San Francisco.

Architect...None.

Contractor..W. A. Miller, 2503 Clement, S. F.

COST, \$500

ELECTRIC SIGN

(799) NO. 149 POWELL Electric sign.

Owner.....Nanking Cafe Co., Prem.

Architect...None.

Contractor..Brumfield Elec. Sign Co., 18 7th, San Francisco.

COST, \$750

FRAME DWELLING

(800) CROCKER AMAZON TRACT Lot 10 Blk 13. One-story and basement frame dwelling.

Owner.....H. C. Mangels, 2677 McAllister, San Francisco.

Architect...Theo. W. Lenzen, Humboldt Bank Bldg., S. F.

Day's work. COST, \$1950

VAULT

(801) NO. 1 ENTERPRISE. Construct vault for store room.

Owner.....Enterprise Brewing Co., Premises.

Architect...None.

Contractor..J. Albrecht.

COST, \$600

ALTERATIONS

(802) NO. 2125 LOMBARD. Alter restaurant.

Owner.....G. Gallica, 2127 Leavenworth, San Francisco.

Architect...None.

Contractor..G. Polati, 2371 Greenwich, S. F.

COST, \$700

FRAME FLATS

(803) W PALM AVE 140 N Euclid. Two-story and basement frame (4) flats.

Owner.....Thos. Scoble, 363 14th Ave., San Francisco.

Architect...E. E. Young, 251 Kearny, San Francisco.

Day's work. COST, \$7000

REPAIRS

(804) NO. 65 POST. General repairs, balcony, partitions, plumbing fixtures, etc., for restaurant.

Owner.....Campani & Co., 357 Monadnock Bldg., S. F.

Architect...J. F. Dunn, 355 Monadnock Bldg., San Francisco.

Day's work. COST, \$950

APARTMENTS

(805) E HYDE 102-6 S Turk. Three-story and basement reinforced concrete (23) apartments.

Owner.....O. A. Claemer, Los Gatos.

Architect...Koenig & Christiansen, 914 Humboldt Bank Bldg., San Francisco.

Day's work. COST, \$30,000

APARTMENTS

(806) N PINE 77-6 W Grant Ave W 60xN 60. All work for four-story and basement apartments.

Owner.....Wm. A. Hench, 1307 12th Ave., San Francisco.

Architect...Earl B. Scott, Humboldt Bank Bldg., S. F.

Contractor..Ratto & Ratto, 232 Hartford, San Francisco.

Filed Mar. 12, '15. Dated Mar. 9, '15.

Walls up to underside of 1st floor joists, \$2000 and a credit of \$1900 for following property. S Irving

82-6 W 12th Ave W 50xS 100 (total value being, \$3800).....

When walls up to 4th floor joists, \$2000 cash and deed to above lot

When roof on and enclosed...\$2000

Brown coated .. 2000

Completed and accepted..... 9710

Usual 35 days..... 8000

TOTAL COST, \$29,510

Bond, \$15,000. Surety, Pacific Coast Casualty Co. Limit, 100 days. Forfeit, \$5. Plans and specifications filed.

ALTERATIONS

(807) NO. 725 MARKET. Sheet metal covering around front.

Owner.....Silver Palace Theatre, 725 Market, San Francisco.

Architect...Sylvain Schnaittacher, 233 Post, San Francisco.

Contractor..Conlin & Roberts, 414 Natoma, San Francisco.

COST, \$500

DWELLING

(808) NO. 15 PROSPECT AVE. One-story and basement frame dwelling.

Owner.....Effie L. Booth, 27 Winfield Ave., San Francisco.

Architect...None.

Day's work. COST, \$1000

ALTERATIONS

(809) NO. 184 VALENCIA. Alter and repair apartments.

Owner.....E. D. Bennett, Premises.

Architect...None.

Day's work. COST, \$1000

ELECTRIC SIGN

(810) NO. 1141 VAN NESS AVE. Electric sign

Owner.....Valvoline Oil Co., 440 Brannan, San Francisco.

Architect...None.

Contractor..Brumfield Elec. Sign Co., 18 7th, San Francisco.

COST, \$500

ALTERATIONS

(811) NO. 819 ELLIS. General alterations and repairs.

Owner.....G. H. Meredith, 2944 24th, San Francisco.

Architect...None.

Day's work. COST, \$900

ALTERATIONS

(812) SW ANDERSON & EUGENIA. Alter basement for flats.

Owner.....John Dyhdal, 202 Anderson, San Francisco.

Architect...None.

Day's work. COST, \$400

FRAME DWELLING

(813) W BRYANT 163 S 26th. Two-story and basement frame dwelling.

Owner.....Henry Grahn, 1441 Alabama, San Francisco.

Architect...None.

Day's work. COST, \$2500

FRAME FLATS

(814)—ANZA 57-6 W Ninth Ave — 25 N 100 E 25 S 100. All work for two-story and basement frame (2) flats.

Owner.....John McCulloch, 80 Alvarado, San Francisco.

Architect...John B. Glunz, (non-certificated).

Contractor..Liebert & Martinelli, 159 Julian Ave., San Francisco.

Filed Mar. 12, '15. Dated Mar. 11, '15.

Frame up\$1118.75

Brown coated 1118.75

Completed and accepted..... 1118.75

Usual 35 days..... 1118.75

TOTAL COST, \$4475.00

Bond, Mentioned in series P No. 27,317 to apply to this contract. Limit, 90 days from March 15. Forfeit, \$3.

Plans and specifications, none.

ALTERATIONS

(815) NO. 65 POST. Concrete flooring, carpentry, mill, metal lath, plaster, rough and finish hardware, mirrors for alterations to ground floor of Mechanics' Library Building.

Owner.....The Ferrario Co.

Architect...J. F. Dunn, 251 Kearny, San Francisco.

Contractor..O. Olsen & Son, 71 Bradford, San Francisco.

Filed Mar. 13, '15. Dated Mar. 10, '15.

When plastered\$251

Finished and accepted..... 451

Usual 35 days..... 251

95 days after 411

TOTAL COST, \$1464

Bond, none. Limit, 30 days. Forfeit, \$10. Plans and specifications filed.

(816) VENTILATING APPARATUS

on above.

Contractor..Robert Dalziel Jr., 218 1st, San Francisco.

Filed Mar. 13, '15. Dated Mar. 13, '15.

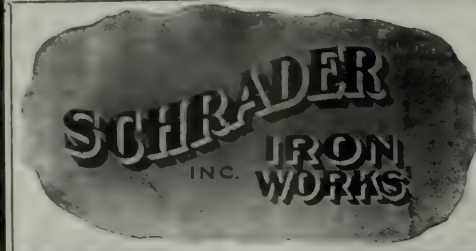
Completed and accepted.....\$320

Usual 35 days..... 161

60 days after 161

TOTAL COST, \$642

Bond, none. Limit, 30 days. Forfeit, \$10. Plans and specifications filed.



Structural Steel Contractors

**Works at
HARRISON ST.,
bet. 8th & 9th
San Francisco**

Telephone Market 337

ALTERATIONS

(817) S TWENTY-FOURTH 50 W San Bruno Ave W 50x8 100. Alterations and additions to building.
Owner.....Adolph Richter, 1107 Laguna, San Francisco.
Architect...Plans by Contractor.
Contractor..Thos. F. Mitchell, 1370 Utah, San Francisco.
Filed Mar. 13, '15. Dated Mar. 11, '15.
Completed and accepted.....\$2000
TOTAL COST, \$2000
Bond, none. Limit, 60 days. Forfeit, none. Plans and specifications filed.

ELECTRICAL WORK

(818) SW DIVISION AND KANSAS S 260 W 200 N 191 NE to Division E 57 P N 133. Electrical work for four-story mill constructed building.
Owner.....John G. Rapp, 1500 Bryant, San Francisco.
Architect...Leo J. Devlin, 731 Pacific Bldg., San Francisco.
Contractor..California Elec. Constr. Co., 641 Mission, S. F.
Filed Mar. 13, '15. Dated Mar. 11, '15.
Payments on 1st of each month 75%
Usual 35 days.....25%
TOTAL COST, \$4750
Bond, \$2500. Surety, Southwestern Surety Ins. Co. Limit, as fast as required. Forfeit, \$5. Plans and specifications filed.

(819) SPRINKLER SYSTEM ON ABOVE.

Contractor..Pacific Fire Extinguisher Co., 507 Montgomery, S. F.
Filed Mar. 13, '15. Dated Mar. 11, '15.
Payments same as above.....
TOTAL COST, \$10,965
Bond, \$6000. Sureties, Winfield S. Davis and Burt L. Davis. Limit, as fast as required. Forfeit, \$5. Plans and specifications filed.

(820) HEATING WORK ON ABOVE.

Contractor..J. C. Hurley Co., 509 6th, San Francisco.
Filed Mar. 13, '15. Dated Mar. 11, '15.
Payments same as above.....
TOTAL COST, \$3455
Bond, \$1800. Surety, New England Casualty Co. Limit, as fast as required. Forfeit, \$5. Plans and specifications filed.

INCORPORATIONS

Royal Taxicab Co. To operate conveyances and vehicles for general transportation purposes. Capital Stock, \$10,000; 2000 shares at \$5 each; amount subscribed, \$75. Place of business, San Francisco. Directors—A. C. Duerr, T. A. Keogh and L. Molds, 5 shares each.

B. & M. Transfer Co. General real estate and mineral and water rights. Capital Stock, \$20,000; 200 shares at \$10 each; amount subscribed, \$30. Place

of business, San Francisco. Directors—C. C. Baron, F. D. Brelsford, E. H. Williams, 1 share each.

J. Knowles Cigar Co. To handle cigars, cigarettes, and general tobaccos. Capital stock, \$25,000; 2,500 shares at \$10 each. Amount subscribed, \$30.00. Place of business, San Francisco. Subscribers, J. Knowles, O. Samuels, J. Samuels, 1 share each.

San Francisco Restaurant Waste Disposal Company. To collect kitchen refuse for the purpose of manufacturing soil fertilizer. Capital Stock, \$200,000; 200,000 shares at \$1.00 each. Amount subscribed, \$3.00. Place of business, San Francisco. Subscribers, J. B. Davitt, G. Lindegren, L. Foerster, 1 share each.

The National Profit-Sharing Co. Capital Stock, \$25,000; 250 shares at \$100 each; amount subscribed, \$300. Place of business, San Francisco. Directors—R. E. Webb, E. S. Webb, W. H. Wilcox, 1 share each.

International Exhibiting and Novelty Co. To exhibit, advertise and sell products of all kinds. Capital Stock, \$10,000; 100 shares at \$100 each; amount subscribed, \$300. Place of business, San Francisco. Directors—Wm. G. Wells, B. Nunnenna and J. D. Rutledge, 1 share each.

LEASES

Mar. 9, 1915—NOS. 1292, 1294, 1296, 1298 Golden Gate Ave; 1100, 1102, 1104 Fillmore; NE Golden Gate Ave and Fillmore. Mary Price, extr Estate W E Price, dec'd to Arthur Henry Cousins. 2 years, \$8400 with option to renew.

Mar. 11, 1915—V POWELL 91-3 N Post N 46-1xW 80. Joseph Sockolov to Louise A Palmer. 5 years 1 month, \$120,000.

Mar. 12, 1915—NO. 130 SADOWA 75 on Sadowa by 125. Julius Webber to Carl Mettler. 5 years. \$3000 with option to renew.

Mar. 12, 1915—NO. 2398 BRYANT NW 22nd. E Legallot to G G Frisbie. 3 years. \$1800.

Mar. 13, 1915—S SACRAMENTO 137-6 E Drumm E 108-8½ S 67-8 W 20 S 84 W 88-8½ N 91-3. Terminal Invst Co to Terminal Garage Co. 10 years. \$45,000 with option to renew.

Mar. 13, 1915—NO. 480 ELLIS NE Cor. Leavenworth. The Hibernia Savings & Loan Society to John E Hoyle. 55 months. \$78,000.

Mar. 12, 1915—NO. 394 DOLORES. J H E Eiben to A I Brunoni.

NOTICE OF NON-RESPONSIBILITY.

Mar. 12, 1915—NO. 100 EDDY Ptn NW Mason and Eddy. Mary Prior, Matilda Andrews, Joseph Prior, Jr, Margaret Delger, Lester P Prior, Leland Prior & Josephine

Metzner as to improvements on leased property

Mar. 11, 1915—CLIFF HOUSE, Ptn Cliff House Stable and land to S of Cliff House, Emma L Merritt, Extrx Est Adolph Sutro, dec'd as to improvements on leased property

Mar. 8, 1915—S FULTON 75-3 E Octavia E 50 S 137-6 W 25 N 50 W 25 N 87-6. N T Giacomini as to improvements on leased property...

CO-PARTNERSHIP.

M Levin & Sons as Coast Smelting and Refining Works.

Joseph Ghiselli and Charles Ghiselli as G. Ghiselli & Sons.

Wm. H. Busch Jr. as Busch Manufacturing Company.

Ed Silvey, Walter F. Simmons as Foxhall Grocery.

L. P. Vucanovich as Balkan Trunk and Suit Case Co.

RELEASE OF BUILDING CONTRACT.

Mar. 11, 1915—N ANZA 57-6 W 9th Ave — 25 N 100 E 25 S 100. John McCulloch to Liebert & Martinelli ReleasedMar. 11, 1915

Mar. 9, 1915—S PAGE 150 W Shrader W 25xS 137-6. Charles E Reinhart to F A Hanson or F A Hauser. Released.....March 2, 1915

ARCHITECT'S CERTIFICATE.

Mar. 13, 1915—ALBERT L. O'BRIEN has filed his certificate of architecture.

BOND.

Mar. 8, 1915—S LOMBARD 114-10 E Devisadero E 25 S 153-7 m or l S 25-7 m or l N 157-1½ m or l. Theophile, Henri and Palmyra Delmoly, owners with Domenico Francesconi, contractor; C Toti and G Barizzi, sureties. Bond, \$2750.

COMPLETION NOTICES.**San Francisco**

Mar. 6, 1915—E LEAVENWORTH 83-6 S Geary S 50-6 E 110-6 N 54 W 27 S 1-6 W 83-6. San Francisco Investment Cpn to Monson Bros and Jas H Pinkerton...Feb. 24, 1915

Mar. 6, 1915—E NINETEENTH AVE 200 N Balboa N 25x120. E J Spence and T Feerick to whom it may concern.....Mar. 6, 1915

Mar. 6, 1915—BLG BDED BY FRANCISCO, Chestnut, Fillmore and Steiner. Panama-Pacific International Exposition Co to Beachey & Dustenhof.....Mar. 5, 1915

Mar. 6, 1915—N FRANCISCO 50 W Webster W 80xN80. Panama-Pacific International Exposition to Turner Co.....Mar. 4, 1915

Mar. 6, 1915—E FILLMORE 55 S Broadway E 25xS 20. John J or John Nessmiller to Arthur ElvinMar. 6, 1915

Mar. 6, 1915—NE TURK & MASON extending on Market. The Bank of Italy to Howard S Williams...Feb. 25, 1915

Mar. 6, 1915—N BEACH 230 W Baker N 380 W 560 S 1000 E 560 N 620 m or l. Panama-Pacific International Exposition Co to Strehlow

Freese & Petersen.....Mar. 3, 1915
 Mar. 6, 1915—W CONNECTICUT 127-1
 N 18th N 27-3½xW 100. John W
 and Margaret Henneberry to G
 Cavaglieri.....Mar. 4, 1915
 Mar. 6, 1915—EXPOSITION SITE.
 Toyland Co to E W A Waterhouse
Feb. 27, 1915
 Mar. 6, 1915—N CHESTNUT & WEB-
 ster N 2337.50 W 3598.60 S 2339.10
 E 3684.24. Panama-Pacific Inter-
 national Exposition Co to Dunne-
 vant-Houghton Van Sant, Inc.....
March 1, 1915
 Mar. 6, 1915—NW CHESTNUT AND
 Webster N 275xW 412-6. Panama-
 Pacific International Exposition Co
 to Beachey & Dustenhof. Mar. 5, 1915
 Mar. 6, 1915—NW LYON & TONQUIN
 E 788.45 N 500 W 770.08 S 500.33
 m or l. Panama-Pacific Interna-
 tional Exposition Co to Strehlow,
 Freese & Petersen.....Mar. 3, 1915
 Mar. 6, 1915—NW VAN NESS AVE &
 Francisco N 270xW 100. Panama-
 Pacific International Exposition Co
 to Strehlow, Freese & Petersen..
 Mar. 6, 1915—W VAN NESS AVE 10 S
 Francisco N 115xW 150. Panama-
 Pacific International Exposition Co
 to Jas Arnott & Son.....Mar. 5, 1915
 Mar. 6, 1915—N BEACH 230 W Baker
 N 380 W 560 S 1000 E 560 N 620
 m or l. Panama-Pacific Interna-
 tional Exposition Co to H S Tittle
March 5, 1915
 Mar. 8, 1915—EXPOSITION SITE.
 Danish Building Committee to J
 Harold Johnson.....Mar. 5, 1915
 Mar. 8, 1915—W TWENTIETH AVE
 250 S Geary S 25xW 120. Alfred
 Johnson to whom it may concern
Mar. 8, 1915
 Mar. 8, 1915—EXPOSITION SITE.
 The National Cash Register to R
 Rountree.....Mar. 3, 1915
 Mar. 8, 1915—EXPOSITION SITE.
 Pacific Coast Condensed Milk Co
 to Dunnivant, Houghton & Van
 Sant.....Feb. 27, 1915
 Mar. 8, 1915—E FILLMORE 100 N
 Tonquin E parallel with Tonquin
 225xN 100. Great Northern Rail-
 way Co to John Monk, Feb. 26; Mc-
 Fell Elec Co.....Feb. 26, 1915
 Mar. 9, 1915—S UNION 187-10 W
 Baker W 26xS 120. William W
 Rednall to whom it may concern
March 7, 1915
 Mar. 9, 1915—EXPOSITION SITE.
 Norwegian-American Auxiliary of
 the P. P. I. E. to Marcus Marcussen
Feb. 19, 1915
 Mar. 9, 1915—SE EDINBURGH 150
 SW Brazil Ave SW 25xSE 100; Lot
 45 Julius L Franklin's Sub Blk 46
 Excel Hd Ass'n. Charles and Eliz-
 abeth Miles to Warren P Smith..
March 9, 1915
 Mar. 9, 1915—SW CHESTNUT AND
 Webster. N and D Bershon to W
 E Grant.....Mar. 8, 1915
 Mar. 9, 1915—N BUSH 45-9 E Leaven-
 worth E 23 N 10 E 0-1½ N 45 W
 0-1½ N 45 W 23 S 100. William
 A and Hattie McKee to whom it
 may concern.....Mar. 1, 1915
 Mar. 9, 1915—NW BURROWS 81 SW
 Somerset SW 26xNW 100; Lot 21
 Blk 29 Railroad Av Hd Ass'n Blks
 17, 18, 29, 35 and 52 Univ Md Sur-
 vey. Homestead Realty Co to Wm
 H Grahn.....Mar. 1, 1915
 Mar. 9, 1915—NW LYON & TONQUIN
 E 788.45 N 500 W 770.08 m or l S
 500.33 m or l. Panama-Pacific In-
 ternational Exposition Co to The

Pacific Fire Extinguisher Co.....
March 5, 1915
 Mar. 9, 1915—LOT 28 BLK "B" Park
 Lane Tract. Einar C Petersen to
 whom it may concern.....Mar. 8, 1915
 Mar. 9, 1915—EXPOSITION SITE.
 Pacific Aerospace Co to whom it
 may concern.....Mar. 6, 1915
 Mar. 9, 1915—NW POLK & CALIFOR-
 nia W 56-3 N 87-6 W 25 N 25 E
 81-3 S 112-6. The Bradbury Estate
 Investment Co, Inc and Mary M
 Bradbury to J Eric Johanson.....
March 6, 1915
 Mar. 10, 1915—W COLE 90 N Grove
 N 30xW 106-3. Mrs Nellie Ryan
 to V Filippis, Mar. 9; Beach & Hef-
 fernan.....Mar. 9, 1915
 Mar. 10, 1915—W TWELFTH AVE
 125 N Anza N 25xW 120. Joseph C
 Kirby to whom it may concern..
March 10, 1915
 Mar. 10, 1915—S BUSH 103-0% E
 Grant Ave (Dupont) E 34-5½xS
 60. Agnes V Drury to Wm R Bell
March 6, 1915
 Mar. 10, 1915—EXPOSITION SITE.
 The City of New York to R Ring-
 rose & Son.....Mar. 10, 1915
 Mar. 10, 1915—EXPOSITION SITE.
 The Netherlands Pavilion Panama-
 Pacific International Exposition
 to Larsen-Sampson Co.....Mar. 8, 1915
 Mar. 10, 1915—NW POST & STOCK-
 ton N 137-6xW 137-6. Blanche M
 Burbank to Tile Mfg Co.....Mar. 1, 1915
 Mar. 10, 1915—N LAWTON 82-6 E
 11th Ave E 25xN 100. Geo H and
 Eda M Williams to A Klahn &
 Son.....Mar. 5, 1915
 Mar. 11, 1915—S PACIFIC AVE 85 W
 Fatjo to L N Vezina.....Feb. 9, 1915
 Mar. 11, 1915—W TENTH AVE 25 S
 California 25x82-6. O E Anderson
 to whom it may concern.....
Mar. 10, 1915
 Mar. 11, 1915—SE CALIFORNIA AND
 17th Ave 26-8x96-1. Enrico Arrighi
 to Paul Maffei.....Mar. 10, 1915
 Mar. 11, 1915—SE SACRAMENTO &
 Stockton. Dr B A Mardis to E
 Ellington and O K Holt.....Mar. 9, 1915
 Mar. 12, 1915—NE WASHINGTON &
 Octavia E 175 N 127-8½ E 2-6 N
 127-8½ S 255-4½. A B Spreckels
 to Sartorius Co.....Mar. 9, 1915
 Mar. 12, 1915—NE SIXTEENTH &
 Capp N 90xE 150. S F Labor Coun-
 cil Hall Ass'n to Frank J Klimm,
 March 4; H S Tittle.....Mar. 4, 1915
 Mar. 12, 1915—SE GEARY AND
 Taylor S 137-6xE 87-6. Clift
 Realty Co by P J Walker Co.,
 Agent. Cyclops Iron Works, Mar.
 10; Mangrum & Otter, Mar. 10; Otis
 Elevator Co.....Mar. 10, 1915
 Mar. 12, 1915—W SIXTEENTH AVE
 150 N Balboa N 25xW 120. Michael
 Costello and Bryan Feerick to
 whom it may concern.....Mar. 9, 1915
 Mar. 12, 1915—W SIXTH AVE bet
 "A" & "B;" No. 559 6th Ave. Alma
 Rothschild to Robert Tarrant.....
March 8, 1915
 Mar. 12, 1915—EXPOSITION SITE.
 Union Pacific System Yellow-
 stone Park (J R Katherns Manager)
 to Decorative Constr Co (paint-
 ing); Mar. 9; Same (scenic paint-
 ing); Same to Cental Elec. Co..
March 9, 1915
 Mar. 12, 1915—EXPOSITION SITE.
 The Lumberman's Bldg & House
 of Hoo-Hoc to Fred F Fischer &
 Van Franz.....Mar. 5, 1915
 Mar. 12, 1915—W THIRTY-SIXTH
 Ave 125 N Balboa N 25x120. John

Eller to C L Knight....Mar. 2, 1915
 Divisadero W 45xS 127-8¼ P M

LIENS FILED

SAN FRANCISCO COUNTY.

Mar. 6, 1915—S McALLISTER 55 W
 Gough W 55xS 136-6. L J Neal vs
 Reuben Cohen\$550
 Mar. 8, 1915—E TWELFTH AVE 250
 S Cabrillo S 25x120. Charles Brown
 & Sons vs Martin A Hanley....\$71.90
 Mar. 8, 1915—NW FULTON AND 4TH
 Ave E 31-3xN 95. Charles H Beck-
 man vs John J Sullivan and L C
 Woolridge\$105
 Mar. 9, 1915—E TWELFTH AVE 250
 S Cabrillo E 120xS 25. George W
 Peek vs Martin A Hanley and W A
 Savage\$13.50
 Mar. 9, 1915—S McALLISTER 55 W
 Gough W 55xS 137-6. A Giannini
 vs B O Smith and Reuben Cohen
\$18.50
 Mar. 10, 1915—N O'FARRELL 74 W
 Larkin W 63-6xN 120. E B & A L
 Stone Co vs Marie Schumacher, W
 H and Hermine Ludemann....\$93.40
 Mar. 10, 1915—E TWELFTH AVE
 250 S Cabrillo S 25xE 120. Daniel
 H Rhodes vs Martin Hanley....\$78.12
 Mar. 10, 1915—E NINETEENTH AVE
 125 S Geary S 25xE 120. A Seghieri
 & Bro, Inc vs John D and Nora
 Harris and D Houle.....\$178.33
 Mar. 10, 1915—E TWELFTH AVE
 250 S Cabrillo S 25xE 120. C D Lieb
 (as Eagle Elec Co) vs Martin
 Hanley\$122.50
 Mar. 11, 1915—E TWELFTH AVE
 250 S Cabrillo S 25xE 120. Olson
 Mahoney Lumber Co vs W A Sav-
 age and Martin A Hanley....\$51.93
 Mar. 11, 1915—S MISSION 91-8 W
 Spear W 45-10xS 137-6. Chas
 Duebel vs Ella O Fischen....\$151.96
 Mar. 11, 1915—E TWELFTH AVE 250
 S Cabrillo S 25xE 120; Nos. 742 and
 744 12th Ave. Walter Thompson,
 \$189.90; Frederick Keller, \$28; W
 M McHugh, \$303 vs Martin Hanley
 Mar. 11, 1915—N CALIFORNIA 32 W
 Larkin W 27-6xN 87. (To correct
 71 liens 251). United Glass Wks
 vs I R Kissel\$183.61
 Mar. 12, 1915—E TWELFTH AVE 250
 S Cabrillo S 25xE 120. Cobbledick
 Kebbe Glass Co vs Martin A Han-
 ley\$43.44
 Mar. 12, 1915—E TWELFTH AVE 250
 S Cabrillo S 25xE 120. James
 Cantley, \$50; S I Volz, \$86; S J
 Schindler, \$50 vs Martin A Hanley
 and W A Savage.....
 Mar. 12, 1915—E TWELFTH AVE 250
 S Cabrillo S 25xE 120. Eureka
 Sash, Door & Moulding Mills vs
 Martin A Hanley and W A Savage
\$597.60
 Mar. 12, 1915—E TWELFTH AVE 250
 S Cabrillo S 25xE 120. Thomas
 Skelly vs A Hanley and W A
 Savage\$386.50

RELEASE OF LIENS.

SAN FRANCISCO COUNTY.

Mar. 8, 1915—W TAYLOR 100 S Sut-
 ter S 37-6xW 137-6. Port Costa
 Brick Co, United Materials Co to
 B J Wyman and L Gilbertsen....
 Mar. 8, 1915—EXPOSITION SITE.
 Taylor & Co to Ohio State Com-
 mission of Panama-Pacific Inter-
 national Exposition Company.....
 Mar. 10, 1915—N CALIFORNIA 513

E Steiner E 151 N 132.81 W 99 S 26.6 W 52 S 106.24. Walter Boerner and Gust Johnson to Pacific Realty Company..... Mar. 12, 1915—NE HAIGHT AND Pierce E 25xN 100. Farnocchia-Petri & Co to J B & Sam Hermann

OAKLAND AND ALAMEDA COUNTY.

STEEL LIFT BRIDGE — \$753,000. Oakland, Cal. Engineers, Scherzer Rolling Lift Bridge Co., Chicago. Owners, Alameda County. Geo. S. Hill, local representative of the Scherzer Rolling Lift Bridge Co. of Chicago, is working preliminary plans for the new bridge which will span the Oakland Estuary. Plans prepared by this company show a double lift type bridge having a total length of 3,450 feet and a width of 80 feet. Such a structure would carry the traffic between Oakland and Alameda without the use of the second bridge as is now required. The bridge would start at Webster street near the Western Pacific tracks, thus carrying the traffic over the Southern Pacific tracks at First street. An estimated cost of \$753,000 is placed on the work. The company would have the designing and superintendence of the work on a 5 per cent basis, but all work would be carried out by a local firm. The time to complete the work is placed at six months.

LODGE HALL—3 story and base, frame, \$20,000. Oakland, Cal. Architect, Frederick Soderberg, Union Bank of Savings, Oakland. Owners, Swedish Hall Association. The building will be erected on Telegraph avenue south of 23rd street. There will be stores on the first floor while the upper two floors will be arranged for social halls, lodge rooms and offices of the organization. Interior finish will be of pine and redwood with a maple floor in the ball rooms. There will be steam heat. Stores will have patent store fronts and plate glass windows. Exterior of the building will be covered with cement plaster on metal lath. Plans are complete but figures will not be called for before April 1st.

STORES AND LOFTS—3 story and base. Class C construction, \$30,000. Oakland, Cal. Architects, Cunningham & Politeo, First National Bank Bldg., S. F. Owners, Moffatt Estate. The building will be erected on Broadway between 9th and 10th streets and will contain stores on the first floor and light lofts on the upper floors. There will be steel frame and brick exterior walls. Interior will be finished in pine throughout. Patent store fronts and plate glass display windows will be installed. Marble base will be used. There will be sidewalk doors and lights. Exterior of the building will be faced with pressed brick. Plans are now being prepared.

RESIDENCE — 2 story and base, frame, \$9,000. Oakland, Cal. Architect, Edward T. Foulkes, Crocker Bldg., S. F. Owner, Leland Scott. The dwelling has been designed for an eight-room house with three baths and sleeping porch. A separate garage will be erected on the property. Interior will be finished in pine, hardwoods and white enamel. Hardwood floors will be used in the principal rooms. There will be furnace heat and open fire places. Mantels will be

of tile and brick. Tile wainscot and floors will be used in the bath rooms. Exterior of the building will be covered with cement plaster on metal lath. A clay tile roof will be used. Plans are now being prepared.

RESIDENCE — 2 story and base, frame, \$12,000. Piedmont, Alameda Co., Cal. Architect, Louis M. Upton, 111 Ellis street, S. F. Owner, George Hammer. The dwelling will be erected in Piedmont Hills and has been designed for a ten-room house with three baths and sleeping porches. A separate garage will be erected. Interior of the dwelling will be finished in pine and hardwood with white enamel in the bed rooms. Plans provide for furnace heat and open fire places. Mantels will be of tile and brick. Bath rooms will have tile floors and walls. A hot water circulating system will be installed as will vacuum cleaning. Exterior of the dwelling and garage will be covered with cement plaster on metal lath. Roofs will be of red clay tile. Plans are complete and figures are being taken.

SCHOOL—1 story and base, frame and plaster, \$28,000. Berkeley, Alameda Co., Cal. Architect, James W. Plachek, Acheson Bldg., Berkeley. Owners, City of Berkeley. The building will be erected on Claremont avenue and will contain six class rooms, manual training and domestic science departments and an assembly hall. Interior finish will be of pine and redwood with maple floors in the class rooms. There will be a central heating system, vacuum cleaning and program clocks. Plans also provide for modern school plumbing. Exterior of the building will be covered with cement plaster on metal lath. A clay tile roof will be used. Plans are complete and figures are being taken. Bids will be opened on March 23rd. Separate bids are being taken for the general construction and the heating and ventilating.

RAILROAD CONSTRUCTION—Cost not stated. Oakland, Cal. Engineer, City Engineer, Oakland. Owners, City of Oakland. Plans are complete and figures are now being taken for constructing a standard gauge railroad on city property parallel to Grove street and along the quay wall. Plans and specifications can be secured from the City Engineer's office. Bids will be opened on March 18th.

RESIDENCE — 1 story and base, frame, \$3,500. Oakland, Cal. Architect, none. Owner, John A. Brett, 727 59th street, Oakland. The dwelling will be erected on Crescent avenue near Santa Clara and has been designed for a six-room house with bath and sleeping porch. Interior finish will be of pine and redwood. Hardwood floors will be used in the living room and dining room. There will be furnace heat and open fire places. Mantels will be of tile or brick. Tile walls and floors will be used in the bath room. An automatic water heater will be installed. Exterior of the house will be covered with cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor.

Building Contracts Awarded.

Oakland.

No.	Owner.	Contractor	Amt.
356	Smith	Edwards	400
357	W'n Oyster	Corbett	500
358	Murphy	Murphy	2300
359	Dunn	Kidder	400
360	Olson	Olson	500
361	Goranson	Goranson	2500
363	Larkin	Jones	650
364	Faulkes	Faulkes	3300
367	Carr	Carr	450
368	Okl Antioch	Owner	2000
369	Flittner	Flittner	1850
370	Gianotti	Benasini	2600
371	Lauckers	Thompson	1000
372	Munster	Andresen	2757
374	Briggs	Dexter	2500
379	Strang	Strang	1950
380	Strang	Strang	1950
381	Caladonia	Larmer	2300
382	Claremont	Carson	3000
383	Lowe	Lowe	1800
384	Petersen	Petersen	1000
385	Harding	Creighton	8500
386	Klose	Burnett	2514
387	Burrow	Schnebl	7783
388	McComick	Peake	2500
389	Johnson	Hammerberg	1600
390	Home	Hagert	1500
391	Raneri	Raneri	2000
392	Reier	Theile	780
393	Merrill	Mickelsen	1600
394	Same	Same	1600
395	Neary	Neary	2500
396	Neuman	McCreary	1600
397	Renas	Int'l Concrete	500
398	Eitel	Buskirk	6424
401	Bright	Kollmer	4500
402	Leondini	Campomenosi	2850
403	Pacheco	Brown	600
404	Peralta Invst	Owner	1800
405	Same	Same	1800
406	Same	Same	1800
408	Asumaa	Owner	2000
409	McMullen	Olsen	400
410	Rity Synd	Owner	8000
411	Same	Same	5500
412	Brett	Brett	3500
413	Nissen	Mortensen	2463
414	Roe	Scammon	2200
415	Gonsalves	Gnonis	400
416	Hinch	Hinch	2500
417	Sherman	Trounson	500

RESHINGLING

(356) NO. 309 LINDEN, Oakland. Reshingle.

Owner.....Mrs. C. Smith, Premises.

Architect...None.

Contractor...H. J. Edwards, 1215 Poplar, Oakland.

COST, \$400

ALTERATIONS

(357) NO. 1456 BROADWAY, Oakland. Alterations.

Owner.....Western Oyster Co., Prem.

Architect...None.

Contractor...Corbett & Bayliss, 1110 Franklin, Oakland.

COST, \$500

DWELLING

(358) N KALES AVE 140 W Broadway, Oakland. One-story 5-room dwelling.

Owner.....J. E. Murphy.

Architect...None.

Day's work. COST, \$2300

ALTERATIONS

(359) SW TWENTY-FOURTH AND Telegraph Ave., Oakland. Alterations

Owner.....Dr. Martin Dunn, Bkly.

Architect...None.

Contractor...Kidder & McCullough, 2075 Addison, Berkeley.

COST, \$400

DWELLING

(360) W HOWE 300 N John, Oakland. One-story 3-room dwelling.

Owner.....Anna Olson, 4351 Howe, Oakland.

Architect...None.

Contractor...Oscar Olson, 4351 Howe, Oakland.

COST, \$500

DWELLING

(361) E BRYANT AVE 245 N College Ave., Oakland. One-story 6-room dwelling.
Owner.....H. Goranson, 431 48th, Okd
Architect...None.
Day's work. COST, \$2500

DWELLING

(363) E HOWE 500 N Morse Ave., Oakland. One-story 3-room dwg.
Owner.....Mrs. Julia Larkin, 3840 Howe, Oakland.
Architect...None.
Contractor..W. H. Jones, 863 38th, Okd.
COST, \$650

STORES AND FLATS

(364) S E-FOURTEENTH 27½ W 93rd Ave., Oakland. Two-story 10-room stores and flats.
Owner.....J. H. Faulkes, Oakland.
Architect...None.
Contractor..J. R. Faulkes, 9828 E-14th, Oakland.
COST, \$3300

ALTERATIONS

(367) NO. 1050 FIFTY-FOURTH AVE Oakland. Alterations.
Owner.....W. H. Carr, 1617 5th Ave., Oakland.
Architect...None.
Day's work. COST, \$450

ADDITION

(368) FORTIETH & SHAFTER AVE., Oakland. Add to freight shed.
Owner.....Oakland Antioch & Eastern Railway, Premises.
Architect...None.
Day's work. COST, \$2000

DWELLING

(369) NO. 3880 MAGEE AVE., Oakland. One-story 5-room dwelling.
Owner.....Valentine Flittner, Panama, Iowa.
Architect...None.
Contractor..Jos. Flittner, 1700 35th, Oakland.
COST, \$1850

FLATS AND STORE

(370) NW FORTY-FIFTH & WEBSTER, Oakland. Two-story eight-room flats and store.
Owner.....Guiseppa Gianotti, 414 45th Oakland.
Architect...None.
Contractor..Pio Benasini, 5250 Boyd Ave., Oakland.
COST, \$2600

ALTERATIONS

(371) NO. 686 SIXTIETH, Oakland. Alter dwelling into flats.
Owner.....F. L. Lauckes, 2404 Webster, Oakland.
Architect...None.
Contractor..E. A. Thompson, 660 60th, Oakland.
COST, \$1000

DWELLING

(372) S GROSS 30 E Cedar, Oakland. Two-story 8-room dwelling.
Owner.....H. Munster, Harbor Hotel, Oakland.
Architect...None.
Contractor..H. C. Andresen, 1229 Pearl Alameda.
COST, \$2757

DWELLING

(374) E DOLORES 350 E Park Blvd., Oakland. One and one-half-story 6-room dwelling.
Owner.....Caroline E. Briggs, Glant,

California.

Architect...None.
Contractor..A. R. Dexter, 2212 Grove, Oakland.
COST, \$2500

DWELLING

(379) W FORTY-FIRST AVE 240 N Carrington, Oakland. One-story five-room dwelling.
Owner.....F. N. Strang, 805 Pacific Ave., Alameda.
Architect...None.
Day's work. COST, \$1950

DWELLING

(380) W FORTY-FIRST AVE 200 N Carrington, Oakland. One-story five-room dwelling.
Owner.....F. N. Strang, 805 Pacific Ave., Alameda.
Architect...None.
Day's work. COST, \$1950

DWELLING

(381) E LAWTON 150 S Clifton, Oakland. Two-story 5-room dwelling.
Owner.....A. Caladonia, Oakland.
Architect...None.
Contractor..Edw. Larmer, 470 Boulevard Way, Oakland.
COST, \$2300

ALTERATIONS

(382) HEAD CLAREMONT AVE., Oakland. Alterations and interior finishing to Claremont Hotel.
Owner.....Claremont Hotel, Inc., Federal Trust Bldg., Okd.
Architect...None.
Contractor..John Carson, Bacon Blk., Oakland.
COST, \$30,000

DWELLING

(383) E THIRTY-FIFTH AVE 150 N Harper, Oakland. Two-story 6-room dwelling.
Owner.....M. M. Lowe, 2068 35th Ave., Oakland.
Architect...None.
Day's work. COST, \$1800

DWELLING

(384) S E-TWENTY-THIRD 150 W Seventh Ave., Oakland. One-story 5-room dwelling.
Owner.....A. Petersen, 2239 7th Ave., Oakland.
Architect...None.
Day's work. COST, \$1000

FRAME DWELLING

(385) LOT 2 Map Nova Piedmont, Piedmont. All work for two-story and basement frame dwelling.
Owner.....Francis H. Harding, 1418 Broadway, Oakland.
Architect...None.
Contractor..Walter H. Creighton, 1444 Broadway, Oakland.
Filed Mar. 10, '15. Dated Jan. 25, '15.
In accordance with agreement dated January 25.....
TOTAL COST, \$8500

Bond, none. Limit, 75 days. Forfeit, \$5. Plans and specifications, none.

FRAME DWELLING

(386) S HAAS AVE 80.91 NE W line 2.59 acre tract conveyed by J. W. Haas to Francisco Calhoun NE 163 SE 409 NW 99.06 NW 312.51, San Leandro. All work for one and one-half-story 6-room frame dwelling.
Owner.....Charles G. & Ida C. Klose, San Leandro.
Architect...None.

Contractor..F. L. Burnett, 745 Aileen, Oakland.

Filed Mar. 10, '15. Dated Mar. 4, '15.
Frame up\$628.50
Plastered 628.50
Completed 628.50
Usual 35 days..... 629.25
TOTAL COST, \$2514.75
Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications filed.

SHOW ROOM AND GARAGE

(387) E BROADWAY 122-4 N Orchard N 71-5 E 91-6 S 65-6 W 25-9 W 74-3, Oakland. All work except concrete walks, fillings, roofing, electric fixtures, galvanized iron, plumbing and finish hardware for one-story brick show room and garage.
Owner.....Mary A. Hackett Burrow, 387 35th, Oakland.
Architect...F. D. Voorhees, Central Bank Bldg., Oakland.
Contractor..Schnebli, Hostrawser & Pedgrift, 6th & Jackson, Oakland.
Filed Mar. 9, '15. Dated Mar. 9, '15.
Brick work completed..... ¼
Brown coated ¼
Completed ¼
Usual 35 days..... ¼
TOTAL COST, \$7789

Bond, \$3894.50. Sureties, J. E. McCormac and Wm. Makin. Limit, 45 days after March 2. Forfeit, \$5. Plans and specifications filed.

NOTE:—1st report No. 354 Mar. 6th.

DWELLING

(389) S SIXTY-THIRD 270 E Baker, Oakland. One-story 5-room dwlg.
Owner.....Maurice L. Johnson, 1519 Alice, Oakland.
Architect...None.
Contractor..A. Hammerberg, 3228 Adeline, Berkeley.
COST, \$1600

DWELLING

(390) S SEVENTH 75 W Cedar, Oakland. One-story 5-room dwelling.
Owner.....May Home, 1759 7th, Okd.
Architect...None.
Contractor..A. Hagert, 1759 7th, Okd.
COST, \$1500

DWELLING

(391) W MARKET 50 S 42nd, Oakland One and one-half-story 5-room dwlg.
Owner.....D. Raneri, 872 43rd, Okd.
Architect...None.
Day's work. COST, \$2000

ADDITION

(392) NO. 210 FIFTH, Oakland. Addition.
Owner.....Mrs. A. Reier, Premises.
Architect...None.
Contractor..L. J. Theile.
COST, \$780

DWELLING

(393) S TWENTY-NINTH 400 E Broadway, Oakland. One-story 4-room dwelling.
Owner.....Ira Merrill, 2521 San Jose Ave., Oakland.
Architect...None.
Contractor..J. C. Mickelsen, 1011 Franklin, Oakland.
COST, \$1600

DWELLING

(394) S TWENTY-NINTH 430 E Broadway, Oakland. One-story 4-room dwelling.

Owner.....Ira Merrill, 2521 San Jose Ave., Oakland.
 Architect...None.
 Contractor...J. C. Mickelsen, 1011 Franklin, Oakland.
 COST, \$1600

DWELLING
 (395) NE SOUTH COURT WALK AND Pleasant Valley Court, Oakland. 1-story 6-room dwelling.
 Owner.....Wm. F. Neary, 1723 Telegraph Ave., Oakland.
 Architect...None.
 Day's work. COST, \$2500

DWELLING
 (396) E MAPLE 45 S Carlton, Berkeley. One-story 5-room dwelling.
 Owner.....Mr. Newman, 478 20th, Okd.
 Architect...None.
 Contractor...McCreary & Sampson, 6506 Wheeler, Oakland.
 COST, \$1600

ALTERATIONS
 (397) NO. 2538 SAN PABLO AVE., Berkeley. Alterations.
 Owner.....Renas Warehouse, Prem.
 Architect...None.
 Contractor...International Concrete Constr. Co., 9th & Parker, Berkeley. COST, \$500

FRAME DWELLING
 (398) NE UPLANDS AND ENCINA Place being Lot E Encina Court, Claremont, Berkeley. All work for two-story and basement frame dwlg.
 Owner.....Luella Eitel, 2509 Woolsey Berkeley.
 Architect...N. W. Shaw, 3073 Bateman Berkeley.
 Contractor...J. W. Buskirk, 2535 Meadow, Oakland.

Filed Mar. 11, '15. Dated Feb. 18, '15.
 Frame up ¼
 Brown coated ¼
 Completed and accepted ¼
 Usual 35 days ¼
 TOTAL COST, \$6424.40
 Bond, \$3212. Sureties, J. M. Park and H. B. Green. Limit, 100 days after Feb. 18, 1915. Forfeit, none. Plans and specifications filed.

NOTE:—1st report No. 349 Mar. 6, '15.

DWELLING
 (401) SE WOOLSEY & HILLEGASS Ave., Oakland. Two-story 7-room dwelling.
 Owner.....Mrs. M. T. Bright, 2427 Ward, Berkeley.
 Architect...Olin S. Grove, 2911 Telegraph Ave., Berkeley.
 Contractor...Jacob Kollmer, 2757 Piedmont Ave., Berkeley.
 COST, \$4500

DWELLING
 (402) SE FIFTY-FIRST & LAWTON Ave., Oakland. Two-story nine-room dwelling.
 Owner.....G. Leonardini, 5119 Lawton Ave., Oakland.
 Architect...None.
 Contractor...C. Campomenosi, 5174 Miles Ave., Oakland.
 COST, \$2850

ALTERATIONS
 (403) N E-ELEVENTH 200 W Park, Oakland. Alterations.
 Owner.....M. M. Pacheco, 2816 E-11th, Oakland.
 Architect...None.

Contractor...Joe Brown, 1201 23rd Ave., Oakland.

COST, \$600

DWELLING
 (404) E RHODA AVE 175 N Madeline Oakland. One-story 5-room dwlg.
 Owner.....Peralta Investment Co., 1957 E-38th, Oakland.
 Architect...None.
 Day's work. COST, \$1800

DWELLING
 (405) E RHODA AVE 245 N Madeline Oakland. One-story 5-room dwlg.
 Owner.....Peralta Investment Co., 1957 E-38th, Oakland.
 Architect...None.
 Day's work. COST, \$1800

DWELLING
 (406) E RHODA AVE 315 N Madeline Oakland. One-story 5-room dwlg.
 Owner.....Peralta Investment Co., 1957 E-38th, Oakland.
 Architect...None.
 Day's work. COST, \$1800

DWELLING
 (408) N SIXTIETH 195 E Grove, Oakland. Two-story 5-room dwelling.
 Owner.....L. Asumaa, 755 60th, Okd.
 Architect...None.
 Day's work. COST, \$2000

GARAGE
 (409) N MANDANA BLVD 200 E Lake Shore, Oakland. Garage.
 Owner.....R. J. McMullen, 614 Mandana Blvd., Oakland.
 Architect...None.
 Contractor...Edward Olsen.
 COST, \$400

ALTERATIONS
 (410) NO. 1444 BROADWAY, Oakland. Alter office building.
 Owntr.....Realty Syndicate, Prem.
 Architect...Hamilton Murdock, 425 Kearny, San Francisco.
 Day's work. COST, \$8000

BRICK STORES
 (411) W FRANKLIN 100 N 14th, Oakland. One-story brick stores.
 Owner.....Realty Syndicate, 1444 Broadway, Oakland.
 Architect...Hamilton Murdock, 425 Kearny, San Francisco.
 Day's work. COST, \$5500

DWELLING
 (412) E CRESCENT 175 W Santa Clara Ave., Oakland. One-story six-room dwelling.
 Owner.....John A. Brett, 727 59th, Oakland.
 Architect...None.
 Day's work. COST, \$3500

DWELLING
 (413) SE FOURTH AND "J" 160x140, Livermore. All work for one-story dwelling.
 Owner.....Chas. N. Nissen, Livermore.
 Architect...Francis W. Reid, Walnut Creek, Cal.
 Contractor...Wm. Mortensen, Livermore
 Filed Mar. 11, '15. Dated Mar. 8, '15.
 Foundations completed \$300.00
 Frame up and sheathed 300.00
 Brown coated 300.00
 Plastered and exterior painted
 2 coats 300.00
 Ready for interior painting.. 300.00

Completed and accepted..... 300.00
 Usual 35 days..... 663.50
 TOTAL COST, \$2463.50
 Bond, \$1231.75. Surety, Fidelity & Deposit Co. Limit, 90 days. Forfeit, \$1.
 Plans and specifications filed.

DWELLING
 (414) N KALES AVE 350 W Broadway, Oakland. Two-story 5-room dwelling.
 Owner.....J. W. Roe, 6425 Hillegass Ave., Oakland.
 Architect...None.
 Contractor...C. F. Scammon, 1816 Addison, Berkeley.
 COST, \$2200

WAREHOUSE
 (415) NO. 735 TWENTY-THIRD AVE., Oakland. One-story warehouse.
 Owner.....Joe Gonsalves.
 Architect...None.
 Contractor...C. Gnonis, 964 23rd Ave., Oakland.
 COST, \$400

DWELLING
 (416) S RICH 100 W Webster, Oakland. One-story 5-room dwelling.
 Owner.....Jos. T. Hinch, 1748 Broadway, Oakland.
 Architect...None.
 Day's work. COST, \$2500

GARAGE
 (417) NO. 285 JAYNE AVE., Oakland. Garage.
 Owner.....F. Sherman, Premises.
 Architect...None.
 Contractor...J. Trounson, 121 5th, S. F.
 COST, \$500

Building Contracts Awarded. Berkeley.

No.	Owner	Contractor	Amt.
362	Nash	Wald	2250
365	Ala Co Bldrs.	Owner	2250
366	Same	Same	2250
373	Alvord	Wrampelmeier	4000
400	Thomas	Warren	2470
407	Houghtaling	Chase	1000

DWELLING AND GARAGE
 (362) LOT 19 BLK "F" Map Eastern Ptn Newbury Tract, Berkeley. All work for one-story 5-room dwelling and garage.
 Owner.....Frank and Annie Nash, 2141 Woolsey, Berkeley.
 Architect...James W. Plache, Acheson Bldg., Berkeley.
 Contractor...A. F. Wald, 636 65th, Okd.
 Filed Mar. 8, '15. Dated Feb. 19, '15.
 Frame up and roof on.....\$550
 Brown coated 575
 Completed 575
 Usual 35 days..... 550
 TOTAL COST, \$2250
 Bond, \$1125. Sureties, L. Huseman and J. H. Reynolds. Limit, 60 days after Feb. 22. Forfeit, none. Plans and specifications filed.

DWELLING
 (365) E HENRY 200 S Rose, Berkeley One-story 5-room dwelling.
 Owner.....Alameda County Home Builders, 1st Natl. Bank Bldg., Berkeley.
 Architect...None.
 Day's work. COST, \$2250

DWELLING
 (366) E HENRY 120 S Rose, Berkeley One-story 5-room dwelling.

Owner.....Alameda County Home
Builders, 1st Natl. Bank
Bldg., Berkeley.
Architect...None.
Day's work. COST, \$2250

DWELLING
(373) S HILLCREST ROAD opp.
Crossways, Berkeley. Two-story 8-
room dwelling.
Owner.....V. M. Alvord, Regent and
Parker, Berkeley.
Architect...Stringham & Bryant, 2245
Piedmont Ave., Berkeley.
Contractor...Henry F. Wrampelmeier,
2324 Piedmont Ave., Bkly.
COST, \$4000

DWELLING
(388) E JOSEPH 76 N Hopkins, Ber-
keley. One-story 6-room dwelling.
Owner.....J. B. McCormick, S. F.
Architect...None.
Contractor...F. R. Peake Co., 2127 Uni-
versity Ave., Berkeley.
COST, \$2500

STORE AND FLAT
(400) NE NINTH AND SNYDER AVE.,
Berkeley. All work for two-story
frame store and flat.
Owner.....Walter L. Thomas, SE
Snyder Ave and 7th, Okd.
Architect...John Hdson Thomas, 1st
National Bank Bldg., Bkly.
Contractor...C. H. Warren, 2200 Ather-
ton, Berkeley.

Filed Mar. 10, '15. Dated Mar. 9, '15.
Frame up ¼
Brown coated ¼
Completed and accepted..... ¼
Usual 35 days..... ¼
TOTAL COST, \$2470
Bond, \$1235. Surety, U. S. Fidelity &
Guaranty Co. Limit, 70 days. Forfeit,
none. Plans and specifications filed.

DWELLING
(407) E CORNELL AVE 256 N Vir-
ginia, Berkeley. One-story 4-room
dwelling.
Owner.....A. W. Houghtaling, 1543
Fairview, Berkeley.
Architect...None.
Contractor...W. H. Chase, Oakland.
COST, \$1000

Alameda.

375 BoysonRockingham 2000
376 HillenHillen 2000
377 HillenHillen 2000
378 HammondAndresen 2000
399 LittlefieldFletter 15000

DWELLING
(375) NO. 1424 FOUNTAIN, Alameda.
One-story 6-room dwelling.
Owner.....S. Boyson, 1444 Broadway
Oakland.
Architect...None.
Contractor...J. H. Rockingham, 2306
San Jose Ave., Alameda.
COST, \$2000

DWELLING
(376) NO. 1420 PAGE, Alameda. One-
story 5-room dwelling.
Owner.....R. C. Hillen, 1529 Santa
Clara Ave., Alameda.
Architect...None.
Day's work. COST, \$2000

DWELLING
(377) NO. 1416 PAGE, Alameda. One
story 5-room dwelling.
Owner.....R. C. Hillen, 1529 Santa

Clara Ave., Alameda.
Architect...None.
Day's work. COST, \$2000

DWELLING
(378) S ENCINAL AVE 300 W Willard
Alameda. One-story 5-room dwlg.
Owner.....C. J. Hammond, 1504 Wal-
nut, Alameda.
Architect...None.
Contractor...H. C. Andresen, 1229 Pearl
Alameda. COST, \$2000

STORES AND APARTMENTS
(399) SW CENTRAL & PARK AVES
S 120xW 80, Ala. All work for two-
story stores and apartments (4 stores
and 7 apartments) and wrecking old
building.
Owner.....Edgar E. and Natalie
Littlefield.
Architect...None.
Contractor...Fletter & Winlund, 1011
Franklin, Oakland.
Filed Mar. 11, '15. Dated Mar. 11, '15.
Signing of contract.....\$6000
Usual 35 days after filing com-
pletion notice 9000
TOTAL COST, \$15,000
Bond, \$7500. Surety, New Amsterdam
Casualty Co. Limit, 90 days after Mar.
15, 1915. Forfeit, none. Plans and
specifications filed.

COMPLETION NOTICES.

ALAMEDA COUNTY

Mar. 5, 1915—LOT 4 BLK 7 Map
Berkeley Heights, Bkly. C R
Hodgkin to C N Grant..Mar. 3, 1915
Mar. 8, 1915—LOT 18 BLK "K" New
Map Eastern Part Lynn Home-
stead, Oakland. Hoy & Green, Inc
to T S Handley.....Mar. 3, 1915
Mar. 8, 1915—SE GRANT & BER-
keley Way E 86-8 S 29.93 W 88.86
N 30, Bkly. E A Janssen to whom
it may concern.....Mar. 6, 1915
Mar. 8, 1915—PTN LOT 4 Map Pleas-
ant Valley Court, Okd. Mrs Mar-
inda J Rittenhouse to Joseph
Coward.....Mar. 4, 1915
Mar. 9, 1915—LOT 18 BLK 8 Fourth
Ave Heights Tact, Okd. Ida Fabing
to F N Fabing.....Mar. 8, 1915
Mar. 9, 1915—LOT 1 Map Simmons
Ppty, Bkly. Mary B F Babcock to
Lawton & Vezey.....Mar. 5, 1915
Mar. 9, 1915—E CHESTNUT 158-6 N
26th N 26xE 132, Okd. Pauline
Morris Luttrell to G A Scott.....
.....March 4, 1915
Mar. 10, 1915—LOTS 17, 18, 19, 20, 21
Alton Park Tract, Okd. Amy N
Freeling to Amos Charles Rogers
.....Mar. 6, 1915
Mar. 10, 1915—SW KENMORE AVE
356.54 NW Lake Shore Ave NW
49.36 SW 101.61 SE 65 NE 100, Okd.
M E Beers to Louis Johnson.....
.....March 1, 1915
Mar. 11, 1915—SW "K" & FOURTH
W 150xS 100, — The First
Presbyterian Church U S A of
Livermore Cal. to William Morten-
sen and Frank Lamanno..Mar. 8, 1915
Mar. 12, 1915—SE TWENTY-THIRD
Ave 50 SW E-19th SW 50xSE 135,
Okd. Edna F Beckett to whom it
may concern.....Mar. 10, 1915
Mar. 12, 1915—S 20 LOT 43 and N
25 Lot 44 Blk 7 Map Auseon's Moss
Tract, Okd. Jessie E Auseon to
George H Lydiksen.....Mar. 5, 1915
Mar. 12, 1915—LOT 112 Woodlawn

Park Tract, Okd. J F Kirkpatrick
to Edwin C Graff.....Mar. 3, 1915

LIENS FILED.

ALAMEDA COUNTY.

Mar. 4, 1915—NE FIFTY-FIFTH &
Telegraph Ave N 60xE 150, Okd.
Contra Costa Bldg Materials Co vs
Patrick and Jane Mulgihill and
Joseph Gallo\$26.45
Mar. 8, 1915—NW TWENTY-FOURTH
and Broadway N 61.50 W 111.42 N
59.50 W 40 S 119 E 136.25, Okd.
George Calder vs Broadway De-
velopment Co and Pacific Kissel
Kar Branch.....\$262
Mar. 8, 1915—NE FIFTEENTH AND
Broadway N 124xE 100, Okd. Oak-
land Window Cleaning Co vs
Stocker & Holland Abstract Co, Jas
Crichton, East Bay Title Co, John
Yale, A P Holland and H O Mc-
Dougall\$407.50
Mar. 8, 1915—SW BUENA VISTA AV
and Hubbard W 72xS 100, Ala. R
N Jansen vs T B Henry.....\$201.50
Mar. 9, 1915—S 43 LOT 120 and N 23
Lot 130 Map Crooked Highlands,
Okd. Joseph Stevens vs Henry E
Jackson, Oscar Sairanen and J S
Gard\$87.25
Mar. 10, 1915—LOT 9 BLK "A"
Amended Map Moss Tract, Okd.
Pacific Hardware & Steel Co vs A
and Caroline Boe and O Carlson..
.....\$64.40

RELEASE OF LIENS

ALAMEDA COUNTY.

Mar. 8, 1915—E TELEGRAPH AVE
and W Broadway N 108.83 NW
36.86 S 104 SE 8.70, Oakland. J N
Brittain, Frank Bogart, H S Zeh-
ner, Trustees Brittain & Co, dis-
solved, \$163.01; Oakland Elec Co,
\$36.20; Gladding, McBean & Co,
\$24.45; Hogan Lumber Co, \$2338.69;
Baker & Hamilton, \$131.46; John P
Maxwell, \$202.47; Trussed Concrete
Steel Co, \$1304.77; Enterprise Elec
Works, \$70; H D Samuel Co, \$376;
Howard Co, \$9673.55; John Mc-
Guigan & Co, \$1623; Jas L Brown,
Inc, \$12,015.73; Peter Pilkington,
\$194; Ransome-Crummey Co, \$173.96
to Federal Realty Co.....

SAN JOSE AND THE SANTA CLARA VALLEY.

CULVERT—Cost not stated. San
Jose, Santa Clara Co., Cal. Engineer,
City Engineer, San Jose. Owners, City
of San Jose. The City Engineer has
been ordered by the City Council to
prepare plans and specifications for a
culvert on Orchard street.

STREET REPAIRS AND PAVING—
Cost not stated. San Jose, Santa Clara
Co., Cal. Engineer, City Engineer,
San Jose. Owners, City of San Jose.
Plans and specifications are being pre-
pared for re-surfacing and re-gutter-
ing the following streets: Market
street, from San Fernando to St.
James; First street, Santa Clara street
to the Southern Pacific station; First
street, San Salvador to Santa Clara;
St. John, First street to Market.

STREET PAVING—Cost not stated.
San Jose, Santa Clara Co., Cal. En-
gineer, City Engineer, San Jose. Own-

Wybro

Reg. U. S. Pat. Office
Veneered Panels that
ARE good---order
today from

White Brothers

5th and Brannan Streets

San Francisco

Wybro Panels are Smooth and Even.

WYBRO PANELS surpass all others in point of smoothness and even finish. That is why they lead all others in popularity and sales.

These panels never blister or crack. They are always smooth and even and retain their qualities indefinitely.

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Chalmer Munday

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615 Phelan Building, San Francisco

ers, City of San Jose. Plans and specifications presented by the City Engineer for paving of North Seventeenth street, from Santa Clara to the northerly city limits, have been adopted by the City Council and bids will be called for at an early date.

RETAINING WALL—Reinforced concrete. Cost not stated. Redwood City, San Mateo Co., Cal. Engineer, County Surveyor, Redwood City. Owners, San Mateo County. Plans have been completed and approved for the construction of a concrete retaining wall to be erected near Menlo Country Club. Bids are now being taken and will be opened by the Board of Supervisors on April 5th. Plans and specifications can be secured from the County Surveyor.

BRIDGE—Reinforced concrete. Cost not stated. Redwood City, San Mateo Co., Cal. Engineer, County Surveyor, Redwood City. Owners, San Mateo County. Plans have been completed and are now out for figures for a three-span reinforced concrete bridge to be erected over El Corte de Madera creek in the Fifth Road District. Bids will be opened on April 5th. Plans and specifications can be secured from the County Surveyor.

HIGHWAY CONSTRUCTION—Cost not stated. Salinas, Monterey Co., Cal. Engineer, County Surveyor, Howard F. Cozzens, Salinas. Owners, Monterey County. The County Surveyor has been ordered to make a preliminary survey for a new road from Priest Valley road to the end of the Long Valley road in Peach Tree Road District.

Contracts Awarded.

HIGHWAY CONSTRUCTION—\$28,296.75. Redwood City, San Mateo Co., Cal. Engineer, County Surveyor, Redwood City. Owners, San Mateo County. Contractor, Daniel Flynn, S. F. Contact price, \$28,296.75.

BUILDING CONTRACTS

SANTA CLARA COUNTY.

FRAME HOUSE

E THIRTEENTH ST., bet. Taylor and Mission Sts., San Jose. All work for frame house.

Owner.....Joe Guardino, 424 N-21st St., San Jose.

Architect...None.

Contractor..S. Di Cola and E. Scotti, 592 N-11th St., San Jose.

Filed Mar. 3, '15. Dated Feb. 13, '15.

Frame up\$350

Roof on 350

When completed 350

Usual 35 days..... 375

TOTAL COST, \$1425

Bond, limit, forfeit, none. Plans and specifications filed.

FRAME DWELLING

ON DOYLE ROAD joined on east by E McKee; on north by W Holburn; on west by S Desivaro. All work for frame dwelling.

Owner.....W. H. Curtis, Doyle Road near Stevens Creek Road, Cupertino.

Architect...T. C. Hastings.

Contractor..T. C. Hastings, 31 S-Mor-

rison Ave., San Jose.

Filed Mar. 4, '15. Dated Mar. 4, '15.

Frame up\$625

1st coat plaster on..... 625

When completed 625

Usual 35 days..... 625

TOTAL COST, \$2500

Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications filed.

STONE WORK

STANFORD UNIVERSITY CAMPUS,

Palo Alto. Stone work for Memorial Church.

Owner.....Stanford University Trustees.

Architect...Bakewell & Brown, 251 Kearny, San Francisco.

Contractor..The McGilvray Stone Co., Inc., 7th and Townsend, San Francisco.

Filed Mar. 1, '15. Dated Feb. 23, '15.

On 15th of each month..... 75%

Usual 35 days..... 25%

TOTAL COST, \$1585

Bond, \$1585. Sureties, J. D. McGilvray and R Dewar. Limit, on or before May 1, 1915. Forfeit, not less than \$10 per day or more than \$20 per day. Plans and specifications filed.

BUILDING CONTRACTS

SAN MATEO COUNTY.

FRAME BUILDING

LOTS 18 AND 21 BLK 14 Sub No. 4 of Burlingame Park. All work for one story frame garage building to be used as cottage.

Owner.....Marcellus and Lillian E. Krigbaum, Burlingame.

Architect...Norman P. Coulter, 46 Kearny, San Francisco.

Contractor..Peter Jensen.

Williamson's Continuous Clothes Line Outfit

Clothes Line Problem Solved At Last

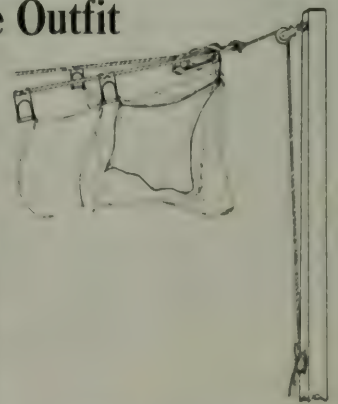
DOUBLE your line space, use all the line. No empty top line, keeps the clothes free from the soiled line, making it Sanitary. Take clothes off any part of line without removing the wet clothes.

CONSTRUCTION: The pulleys are made of cast iron galvanized; so constructed as to allow the patent clothes pine to pass through carrying the clothes around the pulleys, thereby using both lines.

BY using three pulleys, the lines are spread apart as shown in the picture and allows you to put clothes on or take them off the line without hanging out of the window side-ways. The clothes pin is made of heavy galvanized wire formed in such a manner as to allow it to be fastened to the clothes line very easily; nothing complicated to get out of order. Holds the clothes free from the line so the lines need not be covered with cloth-strips in order to keep the clothes from being soiled from the line. The strongest wind cannot blow the clothes out of the pins as they are held in a spring slot. When the wind blows it pulls the clothes deeper into the slot holding them tighter.

NO SPRINGS TO PRESS OR SQUEEZE to get the clothes in or out. Just slip clothes in slot and pull down. WILL hold the daintiest fabrics or the heaviest blanket. 1340 Mission St. Phone Mkt. 4008.

THIS OUTFIT CONSISTS OF 3 DOZEN Sanitary, Stronghold, Clothes Pins, 3 Continuous Clothes Line Pulleys and 1 Pair Line Splacers. **Price, \$2.00 per Set.**



Filed Mar. 3, '15. Dated Mar. 2, '15.
On 1st and 15th of each month 75%
36 days after..... 25%
TOTAL COST, \$1,000
Bond, none. Limit, 30 working days.
Forfeit, none. Plans and specifications
filed.

CEMENT PLASTERINGS
CAOLANS, Hillsboro. Cement plaster-
ings, etc., in connection with garden
for residence.
Owner.....Harriett Pullman Carolan,
Hillsboro.
Architect...Willis Polk & Co., Hobart
Bldg., San Francisco.

Contractor..Floodberg & McCaffery,
Monadnock Bldg., S. F.
Filed Mar. 2, '15. Dated Feb. 26, '15.
Work done up to time of com-
pletion 75%
Usual 35 days..... 25%
TOTAL COST, \$4500
Bond, \$2250. Surety, New England
Casualty Co. Limit, 21 days. Forfeit,
\$10 per day. Specifications only filed.

FRAME DWELLING
LOT 4 BLK 2 Sbdvn of Lots 1, 2, and 3
of San Mateo Park. A work for
two-story and basement frame dwlg.
Owner.....Chester W. O'Neill, San
Mateo.

Architect...John Davis Hatch, Hum-
boldt Bank Bldg., S. F.
Contractor..Myrl R. Crane, 71 Miramar
Ave., San Francisco.
Filed Mar. 4, '15. Dated Feb. 13, '15.
2nd story joists set.....\$1170.50
Interior brown coat on..... 1170.50
Completed and accepted..... 1170.50
Usual 35 days..... 1170.50
TOTAL COST, \$4682.00
Bond, none. Limit, 80 days after Feb.
23. Forfeit, \$5 per day. Plans and
specifications filed.

MARIN, CONTRA COSTA AND SONOMA COUNTIES.

HIGHWAY BRIDGES—1 reinforced
concrete. Cost not stated. Fairfield,
Solano Co., Cal. Engineer, County
Surveyor, Fairfield. Owners, Solano
County. These four bridges will be
erected along the State Highway at
the following points: 1, American
Canyon Creek, about a mile and a
quarter south of the Town of Cordelia;
2, Sweeney Creek, near Batavia; 3, Gib-
son Canyon Creek, near Batavia; 4, Mc-
Cune Creek, near Batavia. Plans are
complete and now out for figures.
Bids will be opened on April 5th.
Plans and specifications can be se-
cured from the County Clerk's office.

SCHOOL—1 story and base, frame.
Cost not stated. Sebastopol, Sonoma
Co., Cal. Architect, W. H. Weeks, 75
Post street, S. F. Owners, Town of
Sebastopol. The building has been
designed for a four-room school with
principal's office. Interior finish will
be of pine throughout. There will be
a central heating system. Exterior
of the building will be covered with
cement plaster. Plans are complete
and figures are being taken. Bids will
be opened on April 2nd. Plans and
specifications can be secured from the
architect.

STREET PAVING—Cost not stated.
Richmond, Contra Costa Co., Cal. En-
gineer, City Engineer Chapman, Rich-
mond. Owners, City of Richmond.
Plans and specifications prepared by
City Engineer Chapman for the im-

provement of Mary street have been
accepted by the City Council, and bids
will probably be called for at the next
meeting. The type or paving to be used
in the work is Richmond standard
macadam.

SEWERS—Cost not stated. Rich-
mond, Contra Costa Co., Cal. Engineer,
City Engineer Chapman, Richmond.
Owners, City of Richmond. The City
Engineer has been ordered by the City
Council to call for bids for the con-
struction of sewers in the Bay View
Park Tract. The bids will close on
March 22nd at 8 p. m.

STREET PAVING—Cost not stated.
Sausalito, Marin Co., Cal. Engineer,
City Engineer, Sausalito. Owners,
City of Sausalito. The City Trustees
have adopted specifications submitted
by the City Engineer for the paving
of Princess street to the corporate
limits, and have decided to submit
four propositions in the proposals.
Five-inch concrete base with two-inch
asphalt surface; four-inch concrete
base with an inch and a half asphalt
surface; four-inch concrete base with
two-inch bithulithic surface; and a
six-inch bithulithic pavement. Bids on
the work close March 29th at 8 p. m.

SEWER WORK—Cost not stated.
Sebastopol, Sonoma Co., Cal. Engi-
neer, City Engineer, Sebastopol. Own-
ers, City of Sebastopol. At the last
meeting of the Trustees the Town En-
gineer was instructed to prepare plans
and specifications for the extension of
the sewer system in North Main street.
A six-inch sewer main will be laid to
a point about 400 feet north of the
present high school building. The en-
gineer will also prepare plans and
specifications for a six-inch sewer on
South High street and Maple street.

ROAD EXTENSION AND GRADING
—Cost not stated. Fairfield, Solano
Co., Cal. Engineer, County Surveyor,
Fairfield. Owners, Solano County.
Plans are complete for the extension
of Sacramento street from the city
limits of Vallejo to the main entrance
gate of the Union Cemetery in Vallejo
Township. Bids are now being taken
for the work and will be opened on
April 5th. Plans and specifications
can be secured from the Clerk of the
Board of Supervisors.

STORES—2 story and base, frame,
\$10,000. Martinez, Contra Costa Co.,
Cal. Architect, William H. Crim, Jr.,
425 Kearny street, S. F. Owner's name
withheld. The building will contain
several small stores on the first floor
and hotel rooms above. Interior will
be finished in pine and redwood. There
will be modern plumbing and a hot
water system. Exterior will be cov-
ered with cement plaster and shiplap.
Plans are nearly complete and figures
will be called for shortly.

SCHOOL—2 story and base, brick
and steel, \$90,000. Petaluma, Sonoma
Co., Cal. Architect, Brainard Jones,
Petaluma. Owners, City of Petaluma.
The building will cover a considerable
ground area and has been designed to
contain ten class rooms, departments
of domestic science, manual training
and a large auditorium. Interior will
be finished in pine with maple floors
in the class rooms. There will be
steam heat, program clocks and a vac-
uum cleaning system. Modern school
plumbing will be installed. A tem-
porary gymnasium is also included in
the work. Exterior of the building

will be faced with pressed brick.
Plans are complete and separate fig-
ures are now being taken for the
general construction and for the heat-
ing and ventilating. Bids will be
opened on March 22nd. Plans can be
secured from the architect.

SCHOOL—1 story and base, brick,
\$12,000. Richmond, Contra Costa Co.,
Cal. Architect, James T. Narbett,
Berry Bldg., Richmond. Owners, City
of Richmond. The building will be
erected on property at the corner of
Pennsylvania and 5th streets, and will
be the first unit of a large school. The
present building will contain four
class rooms. Interior will be finished
in pine with maple floors in the class
rooms. There will be steam heat and
an oil burning plant. Modern school
plumbing will be used. Exterior of
the building will be faced with pressed
brick. Plans are complete and figures
are being taken. Bids will be opened
on March 27th. Plans and specifica-
tions can be secured from the archi-
tect.

BRIDGE—Steel and reinforced con-
crete. Cost not stated. Martinez,
Contra Costa Co., Cal. Engineer,
County Surveyor Quail, Stockton, and
County Surveyor Arnold, Martinez.
Owners, Contra Costa and San Joaquin
Counties. Plans and specifications for
the Borden Delta road bridge across
Old River will be presented to the
Supervisors immediately. The plans
were prepared by County Surveyor
Quail of Stockton and delivered to
County Surveyor Arnold of Contra
Costa County. As soon as the plans
have been approved by the Supervisors
bids will be called for.

BUILDING CONTRACTS

MARIN COUNTY.

FRAME DWELLING
SAN RAFAEL HEIGHTS, San Rafael.
All work including carpenter work,
plastering, etc., for two-story frame
dwelling.

Owner.....Albert B. Anderson & wife
Architect...None.
Contractor..Ellis L. Wilson.

Filed Mar. 8, '15. Dated Mar. 2, '15.
Brown mortar on.....\$625
Building completed 625
TOTAL COST, \$2500

Bond, none. Limit, 80 working days.
Forfeit, none. Plans and specifications
filed.

ALTERATIONS

ROSS, Marin County. Alterations and
additions for house.

Owner.....Norman B. Livermore,
Ross.

Architect...John White, 35 Mont-
gomery, San Francisco.
Contractor..Edward C. Bletch, 1512
Buchanan, San Francisco.

Filed Mar. 9, '15. Dated Mar. 2, '15.
Ready for plaster.....\$750
Plaster completed 750
When completed..... 750
Usual 35 days..... 1000
TOTAL COST, \$4000

Bond, none. Limit, forfeit, none. Plans
and specifications filed.

NOTICE OF NON-RESPONSIBILITY.

NOTICE OF NON-RESPONSIBILITY.

Lot 47 Map Stone Orchard Stone-hurst being on 107th Ave, bet Royal Ann and Grafflan, Oakland. Jennie F Stone and E B & A L Stone Co as to improvements on leased property
 Mar. 10, 1915—SW CENTRAL AND Park Aves S 120xW 80, Alameda. Frank S and Louise S Kelly as to improvements on leased property

FRESNO, MODESTO STANISLAUS AND CENTRAL CALIFORNIA.

BRIDGES AND CULVERTS — Pile and reinforced concrete. Cost not stated. Bakersfield, Kern Co., Cal. Engineer, County Surveyor, Bakersfield. Owners, Kern County. Plans have been completed and are now out for figures for constructing several bridges and a number of culverts on the Bakersfield-Mojave road between Tehachapi and Cameron. Bids are now being received and figures will be opened on March 22nd. Plans and specifications can be secured from the office of the County Surveyor.

BRIDGE—Concrete and timber. Cost not stated. Visalia, Tulare Co., Cal. Engineer, County Engineer, Visalia. Owners, Tulare County. Plans are complete and figures are now being taken for the construction of a timber and concrete bridge which is to be erected over Cameron Creek in Mooney Grove. Bids will be opened on April 7th. Plans and specifications can be secured from the County Surveyor.

SUBWAY, ETC.—Cost not stated. Fresno, Fresno Co., Cal. Engineer, City Engineer Cronkhite, Fresno. Owners, City of Fresno. To obtain State aid in getting subways at the Monterey street and Belmont avenue crossings of the Southern Pacific, a viaduct over the Santa Fe at Fresno street and drainage in the southwest of the city, Mayor Snow expects soon to appear before the State Railroad Commission. City Engineer Cronkhite will prepare the plans for the work.

BRIDGE—Concrete or timber. Cost not stated. Mooney Grove, Tulare Co., Cal. Engineer, none. Owners, United States Forestry Service. The Board of Forestry is ready to build a new bridge over Cameron Creek in Mooney Grove, but at the present time are unable to determine whether construction will be of concrete, wood or steel. As a result three sets of plans have been presented and the Board has asked the Supervisors to call for bids on the three plans submitted.

LIBRARY—1 story and base, frame, \$8,500. Exeter, Tulare Co., Cal. Architects Bowen & Davis, McKenzie Bldg., Fresno. Owners, City of Exeter. The building will contain one large reading room, librarian's office, stack room and toilets. Interior finish will be of pine with maple floor in the reading and stack rooms. There will be furnace heat. Metal stacks are specified. The design is in the classic style, the exterior being covered with cement plaster on metal lath. Plans are complete and figures are now being taken. Bids will be opened on March 24th. Plans and specifications can be secured from the architects.

RESIDENCE — 2 story and base, frame, \$2,600. Fresno, Fresno Co., Cal. Architect, none. Owner, O. D.

Atkins, 743 Weldon street, Fresno. The dwelling will be erected in the Alta Vista Tract and has been designed for a six-room house with bath and sleeping porch. Interior will be finished in pine and redwood. Hardwood floors will be used in the living and dining rooms. There will be open fire place and tile or brick mantel. Tile wainscot will be used in the bath room. An automatic water heater will be installed. Exterior of the house will be covered with cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor. Materials are now being purchased.

BUNGALOW — 1 story and base, frame, \$1,500. Fresno, Fresno Co., Cal. Architect, none. Owner, C. V. Smith, 1371 De Mar street, Fresno. The dwelling will be erected in Arlington Heights, and has been designed for a five-room house with bath. Interior finish will be of pine and redwood. Hardwood floors will be used in the living and dining rooms. There will be an open fire place and tile mantel. Bath room will have imitation tile wainscot. Exterior of the house will be covered with rustic and cement plaster. Plans are complete and in the hands of the owner who will do the work by Day Labor.

SUPERINTENDENT'S HOUSE — 2 story and base. Cost not stated. Mooney Grove, Tulare Co., Cal. Architect, none. Owners, Tulare County. Plans have been completed for the construction of a tank house and superintendent's residence to be erected at Mooney Grove. Plans are now out for figures and bids will be opened on April 7th. Plans and specifications can be secured from the Clerk of the Board of Supervisors at Visalia.

FAIRFIELD, SOLANO CO., CAL.—Highway bridges, 4, reinforced concrete. Cost not stated. Engineer, County Surveyor, Fairfield. Owners, Solano County. These four bridges will be erected along the State Highway at the following points: 1, American Canyon Creek, about a mile and a quarter south of the Town of Cordelia; 2, Sweeney Creek, near Batavia; 3, Gibson Canyon Creek, near Batavia; 4, McCune Creek, near Batavia. Plans are complete and now out for figures. Bids will be opened on April 5th. Plans and specifications can be secured from the County Clerk's office.

HOTEL ALTERATION AND ADDITION—2 story and base, brick, \$10,000. Turlock, Stanislaus Co., Cal. Architect, Ralph P. Morrell, Odd Fellows' Bldg., Stockton. Owner, M. Joice. This work will consist of new interior trim, plastering, plumbing, the installation of a new steam heating system and hot water supply and electric work. Exterior of the building will also be changed and faced with pressed brick. Patent store fronts are specified. Plans are being prepared.

Contracts Awarded.

WATER TANK—Steel construction, \$5,350. Modesto, Stanislaus Co., Cal. Engineer, City Engineer, Modesto. Owners, City of Modesto. Contractors, Chicago Bridge and Iron Works, Chicago. Contract price, \$5,350.

SACRAMENTO, STOCKTON AND NORTHERN CALIFORNIA.

BRIDGE WORK—Cost not stated. Red Bluff, Tehama Co., Cal. Engineer, County Surveyor, Red Bluff. Owners, Tehama County. The Board of Supervisors after considerable discussion on the permanent improvement of the sand slough east of Red Bluff, has instructed the County Surveyor to prepare plans and specifications for concrete piers, steel spans and either concrete or asphaltum floor for a bridge to span the main slough. Bids on the work will be called for on the acceptance of the plans.

SCHOOL—1 story and base, frame and plaster, \$25,000. Woodland, Yolo Co., Cal. Architect, W. H. Weeks, 75 Post street, S. F. Owners, City of Woodland. The building will contain six class rooms, assembly hall and teachers' rooms. Interior finish will be of pine throughout. Maple floors will be used in the class rooms. There will be a central heating system and modern school plumbing. Exterior of the building will be covered with cement plaster on metal lath. Plans are nearly complete and figures will be called for shortly. Plans are also nearing completion for a second and larger school which will be of the brick type of construction and is estimated to cost \$75,000. This building has been mentioned before.

SCHOOL—1 story and base, reinforced concrete, \$35,000. Auburn, Placer Co., Cal. Architect, W. H. Weeks, 75 Post street, S. F. Owners, City of Auburn. Plans for this building have been out for figures for some time and bids were to have been opened on March 11th. The architect announces a postponement in the date of opening figures until March 24th.

SCHOOL—1 story and base, frame and concrete. Cost not stated. Biggs, Butte Co., Cal. Architect, Chester Cole, Waterland-Breslauer Bldg., Chico. Owners, Town of Biggs. The building will be erected just east of the town and has been designed for a district school. Interior will be finished in pine throughout. Stoves will be used for heating. Exterior of the building will be covered with cement plaster on metal lath. Plans are complete and figures will be opened on March 19th. Plans can be secured from either the office of the architect or from the Sacramento Valley Bank at Biggs.

STREET PAVING—Cost not stated. Gridley, Butte Co., Cal. Owners, City of Gridley. The City Engineer has been instructed by the Trustees to prepare levels and the necessary surveys for the paving of certain streets.

HIGHWAY CONSTRUCTION — Cost not stated. Ukiah, Mendocino Co., Cal. Engineer, County Surveyor, Ukiah. Owners, Mendocino County. At the last meeting of the Board of Supervisors bids for the construction of section No. 2 of the Ten-Mile River road were ordered advertised. Bids were also ordered received for the construction of section No. 3 of the Two Rivers and Covelo road. Bids close on both jobs on April 6th at 2 p. m.

RED BLUFF, TEAMA CO., CAL.—
Bridge work. Cost not stated. Engineer, County Surveyor, Red Bluff. Owners, Tehama County. The Board of Supervisors, after considerable discussion on the permanent improvement of the sand slough east of Red Bluff has instructed the County Surveyor to prepare plans and specifications for concrete piers, steel spans and either concrete or asphaltum floor for a bridge to span the main slough. Bids on the work will be called for on the acceptance of the plans.

RESIDENCE—1 story and base, frame, \$1,500. Sacramento, Cal. Architect, none. Owner, W. B. Grant, 3231 Orange avenue, Sacramento. The dwelling will be on Upper Stockton avenue and has been designed for a five-room house with bath. Interior finish will be of pine and redwood. Hardwood floors will be used in the living and dining rooms. There will be a large open fire place in the living room. Mantel will be of tile. Bath room and kitchen will have imitation tile wainscot. Exterior of the house will be covered with rustic and cement plaster on metal lath. Plans are in the hands of the owner and the work will be done by Day Labor. Materials are now being purchased.

Contracts Awarded

ROAD AND BRIDGE—\$14,990. Ukiah, Mendocino Co., Cal. Engineer, County Surveyor, Ukiah. Owners, Mendocino County. Contractors, Sallinen & Sallinen, Ukiah. Contract price, \$14,990.

SEWER WORK—\$3,382.50. Willits, Mendocino Co., Cal. Engineer, City Engineer, Willits. Owners, City of Willits. Contractors, Leach & De Camp, S. F. Contract price, \$3,382.50.

UKIAH, MENDOCINO CO., CAL.—
Road and bridge, \$14,990. Engineer, County Surveyor, Ukiah. Owners, Mendocino County. Contractors, Sallinen & Sallinen, Ukiah. Contract price, \$14,990.

BUILDING CONTRACTS

SACRAMENTO COUNTY.

DWELLING

LOT 9 BLK 42 North Sacramento Land Co Shdyn, Sacramento. Four-room dwelling.

Owner.....John Bond.

Architect...None.

Contractor..R. Morrison.

Filed Mar. 3, '15. Dated Mar. 1, '15.

COST, \$700

SERVICE STATION

NO. 1301 K ST. on W 35 feet of S 60 feet of Lot 8, J, K, 13th and 14th Sts., Sacramento. One-story steel frame and brick service station.

Owner.....Freeman Supply So., 1930 P St., Sacramento.

Achitect...None.

Contractor..Palm Iron Works, 15th & R Sts., Sacramento.

COST, \$600

GARAGE

NOS. 126, 127, 128 WEST CURTIS OAKS Sacramento. Two-story private garage.

Owner.....Mrs. D. A. Lindley, 1314 H St., Sacramento.

Architect...None.

Contractor..T. V. Mayo, 1413 H St., Sacramento.

COST, \$500

NO. 1301 K ST., on W 35 feet of S 60

feet Lot 8, J, K, 13th and 14th Sts., Sacramento. Erect pump and insulation and storage tanks.

Owner.....Freeman Supply Co., 1913 P St., Sacramento.

Architect...None.

Day's work. COST, \$450

FIXTURE, ETC., IN SALOON

NO. 1126 J ST., on Lot 4, J, K, 11th and 12th Sts., Sacramento. Fixture etc., in saloon.

Owner.....Henry De Leat, 1126 J St., Sacramento.

Architect...None.

Contractor..Chas. Van Hall, 3rd and X Sts., Sacramento.

COST, \$300

RESIDENCE

CALIFORNIA BOULEVARD AND Fremont Ave in Lot 812 and W ½ of Lot 813, Elmhurst, Sacramento. Two story 9-room interlocked terra cotta tile residence.

Owner.....Judge A. G. Burnett, 820 18th St., Sacramento.

Architect...Jas. A. McCullough.

Contractor..Jas. A. McCullough, 1631 M St., Sacramento.

COST, \$8000

ALTERATIONS

THIRTY-THIRD & MAGNOLIA, on N ½ of Lot 8 Blk 28, South Sacramento Alterations and additions to residence.

Owner.....Dr. S. J. Wells.

Architect...None.

Contractor..G. F. Romack, 3301 W St., Sacramento.

COST, \$950

GARAGE

NO. 1614 ELEVENTH ST., on S ½ of Lot 4, P, Q, 10th and 11th Sts., Sacramento. Private garage.

Owner.....F. S. Smith, Premises.

Architect...None.

Contractor..G. A. Clinton, 2425 15th St., Sacramento.

COST, \$400

GARAGE

DWIGHTWAY, Lot 611 W & K Sub 20, Sacramento. "Pruden System" portable fireproof garage.

Owner.....S. E. Cook, 1309 F St., Sacramento.

Architect...None.

Day's work. COST, \$400

FINISH OFF PORCH

TERRACE AVE Lots 145 and 146 Palmetto Heights, Sacramento. Finish off porch for sleeping room.

Owner.....G. H. Johnson, Terrace Ave near Palmetto, Sacramento.

Architect...None.

Day's work. COST, \$300

ADDITION

NO. 1405 R ST., on Lot 8, Q, R, 14th and 15th, Sacramento. Brick addition to bakery.

Owner.....Elizabeth Attl, 1611 S St., Sacramento.

Architect...P. J. Herold, Forum Bldg., Sacramento.

Contractor..H. R. Van Horst, 731 2nd Sacramento.

COST, \$4000

DWELLING

UPPER STOCKTON & TRACY AVE, on Lot 3 Toesch Tract, Sacramento.

One-story 4-room and basement frame dwelling.

Owner.....W. B. Grant, 3231 Orange Ave., Sacramento.

Architect...None.

Day's work. COST, \$1400

ADDITION

NO. 2718 SECOND AVE on Lot 131 Curtis Oaks, Sacramento. Addition to residence.

Owner.....Dr. M. W. Haworth, Elks' Bldg., Sacramento.

Architect...None.

Contractor..R. H. Reuter, 2717 2nd Ave Sacramento. COST, \$650

REPAIRS

NO. 2007 J ST., on I ½ Lot 8, I, J, 20th and 21st, Sacramento. Repairs to three-story building.

Owner.....Dack Seng, 725 J St., Sacramento.

Architect...None.

Contractor..W. Sturderant, Oak Park, Sacramento. COST, \$350

BRICK STORE

NO. 406 L ST., on E 20 feet of N ½ of Lot 1, L, M, 4th and 5th, Sacramento. One-story brick store.

Owner.....J. M. Wright, 703 24th St., Sacramento.

Architect...None.

Contractor..W. R. Sanders, 2810 I St., Sacramento

COST, \$1500

REPAIRS

NO. 521 T ST., on E ½ Lot 5, S, T, 5th and 6th, Sacramento. Repair fire damage to flats.

Owner.....John B. Martin.

Architect...None.

Contractor..C. Valine, 2417 15th St., Sacramento.

COST, \$1250

REMODEL

NO. 609 J ST., on W 20 feet Lot 7, I, J, 6th and 7th, Sacramento. Remodel story entrance in brick building.

Owner.....Frank M. Jones.

Architect...None.

Contractor..Siller Bros., 1402 P St., Sacramento.

COST, \$300

FRAME RESIDENCE

LOT 11 BONITA TERRACE, Sacramento. One-story 6-room frame residence.

Owner.....J. H. Arnold, 2133 Bonita Ave., Sacramento.

Architect...None.

Contractor..W. R. Saunders, 2810 I St., Sacramento.

COST, \$2250

ALTERATIONS

NO. 2714 THIRTY-THIRD, on S ½ Lot 8 Blk 28, South Sacramento. Make two-story 2 family residence out of one and one-half-story building.

Owner.....Dr. S. J. Wells.

Architect...None.

Contractor..G. F. Romack, 3301 W St., Sacramento.

COST, \$1100

LIENS FILED

SACRAMENTO COUNTY.

RECORDED

Mar. 6, 1915—LOT 1, K, L, 9th and 10th, Sacramento. James F Smith vs Mathews Constr Co.....\$1596.29
Mar. 6, 1915—LOT 1, K, L, 9th and 10th (Forum Bldg), Sacramento.

AMOUNT

James F Smith vs Mathews Constr
Company\$3768.50

BUILDING CONTRACTS

SAN JOAQUIN COUNTY.

FRAME BUILDING

LOT 10 BLK 7 of Yosemite Terrace,
Stockton. All work for one-story
frame building.

Owner.....George Sievers, 330 E-
Poplar St., Stockton.

Architect...Joseph Losekann, 79 San
Joaquin Bldg., Stockton.

Contractor...A. J. McPhee & Sons, N-
California, Stockton.

Filed Mar. 9, '15. Dated Feb. 23, '15.

Foundation completed.....\$300

Frame work completed..... 720

Plastering completed 720

Building accepted 722

TOTAL COST, \$2462

Bond, \$1231. Sureties, J. H. Winder
and L. Cassinelli. Limit, 70 days.
Forfeit, \$5. Plans and specifications
filed.

NOTE:—This job was reported under
name of Ray Friedberger.

LOS ANGELES AND SOUTHERN CALIFORNIA.

APARTMENT HOUSE—4 story and
base, brick and steel. Cost not stated.
Los Angeles, Cal. Architect, I. H. See-
horn, 328½ Clay street, L. A. Owner,
J. D. Thompson. The building will be
erected at the corner of Ceres and 8th
streets, and has been designed to con-
tain 120 rooms arranged in suites of
two and three rooms. All apartments
will have wall beds and private bath
rooms. There will be steam heat, ele-
vator service and a hot water supply.
Interior will be finished in pine and
redwood with some elm panels. Hard-
wood floors will be used in the living
and dining rooms. Bath rooms will
have tile wainscot and composition
floors. Exterior of the building will
be faced with pressed brick. Plans
are being prepared.

BRIDGE—Reinforced concrete. Cost
not stated. Holtville, Imperial Co.,
Cal. Engineer, County Surveyor, El
Centro. Owners, City of Holtville.
This bridge will be erected over Alamo
River on the extension of Sixth street.
Bids are now being taken and will be
opened by the City Council on March
29th.

STORES AND LOFTS—5 story and
base, reinforced concrete, \$135,000. Los
Angeles, Cal. Architect, John F. Blee,
Union League Bldg., L. A. Owners,
Neptune Meter Co. The building will
be erected on property at the north-
east corner of Third and Alameda
streets, covering an area of 112 by 131
feet. The entire building will be oc-
cupied by the owners. Interior finish
will be of pine except in the office por-
tion which will be finished in hard-
wood and ornamental plaster. Plans
provide for steam heat, elevator serv-
ice, vacuum cleaning and metal win-
dow sash and frames. Exterior will
be faced with pressed brick. Plans are
now being prepared and construction
will be started within a month or six
weeks.

STORES AND ROOMS—2 story and
base, brick. Cost not stated. South
Pasadena, Los Angeles Co., Cal. Ar-
chitects, George F. Gusterson & J. E.
Kavanaugh, California Bldg., L. A.
Owner, A. C. Ong. The building will
be erected at the corner of Mission

street and Fair Oaks avenue, covering
and area of 84 by 130 feet. There will
be several small stores on the ground
floor and a number of single rooms
on the upper floor. Interior finish will
be of pine and redwood. Patent store
fronts are specified. Exterior of the
building will be faced with pressed
brick. Plans are complete and figures
are being taken.

THEATRE—1 story and base, brick,
\$25,000. Santa Ana, Orange Co., Cal.
Architect, J. Flood Walker, 303 East
4th street, Santa Ana. Owners, West
End Improvement Association. The
building will be erected at the corner
of 4th and Birch streets and will cover
a large ground area. There will be
stores besides the theatre. Interior
will be finished in pine and ornamental
plaster. There will be a special ven-
tilating system, special electric work
and metal window sash and frames.
Exterior of the building will be faced
with pressed brick. Plans are now
being prepared.

SCHOOL—1 story and base, brick,
\$25,000. Los Angeles, Cal. Architects,
Train & Williams, Exchange Bldg., L.
A. Owners, City of Los Angeles. The
building will be erected on Manches-
ter avenue and will cover an area of
72 by 100 feet. There will be six class
rooms and an auditorium. Interior
will be finished in pine throughout.
Maple floors will be used in the class
rooms. There will be steam heat,
modern school plumbing and program
clocks. Exterior of the building will
be faced with pressed brick. Plans are
being completed and figures will be
called for shortly.

SCHOOL—2 story and base, brick,
\$45,000. Los Angeles, Cal. Architects,
Alfred W. Rae and Charles E. Garsta-
ny, Black Bldg., L. A. Owners, City of
Los Angeles. The building will be
erected on 68th street and has been
designed for an eight-room school,
covering an area of 70 by 152 feet.
There will be a large auditorium. In-
terior finish will be of pine with maple
floors in the class rooms. Plans pro-
vide for steam heat, program clocks
and modern school plumbing. Exterior
of the building will be faced with
pressed brick. Plans are now being
prepared.

PIPE FITTINGS, ETC.—Cost not
stated. Pasadena, Los Angeles Co.,
Cal. Engineer, City Engineer, Pasade-
na. Owners, City of Pasadena. Bids
will be received by the City Clerk up
to 10 a. m. of March 19th, for furnish-
ing the city with 133 12-foot lengths
of 24-inch and 260 12-foot lengths of
20-inch cast iron, class A water pipe,
together with fittings, etc. An alter-
nate proposal will be considered for
a similar quantity of class C pipe.
Herman Dyer is the City Clerk.

SEWER WORK—\$320,000. El Cen-
tro, Imperial Co., Cal. Engineer's
name not given. Owners, Cities of El
Centro and Imperial. The cities of El
Centro and Imperial are considering
the proposition of an outfall sewer
system to New River to serve the two
cities. The cost to Imperial would be
about \$70,000. El Centro plans to vote
bonds in the sum of \$250,000 for its
share of the outfall sewer construc-
tion and for the construction of a
lateral system within the city.

Contracts Awarded.

AN OFFICIAL award of contract has
been made for the construction of the
radio towers at San Diego and Hono-
lulu. The Llewellyn Iron Works of

Los Angeles secured both contracts at
\$200,000. The work will be done in
six months.

APARTMENT HOUSE AND STORES
—2 story and base, brick, \$29,100. Los
Angeles, Cal. Architect, none. Owner,
Los Angeles Securities Co. Contractor,
H. L. Childs, Childs Title Insurance
Bldg., L. A. Contract price, \$29,100.

STREET PAVING, ETC.—\$97,184.72.
East San Diego, Cal. Engineer, City
Engineer, East San Diego. Owners,
East San Diego. Contractors, Federal
Construction Co., Sharon Bldg., S. F.
Contract price, \$97,184.72.

HIGHWAY CONSTRUCTION — \$63,-
954.64. Riverside, Riverside Co., Cal.
Engineer, County Surveyor, Riverside.
Owners, Riverside County. Contrac-
tors, B. R. Davison Co., Monrovia.
Contract price, \$63,954.64.

SEWER CONSTRUCTION — \$10,440.
Santa Barbara, Santa Barbara Co., Cal.
Engineer, City Engineer, Santa Bar-
bara. Owners, City of Santa Barbara.
Contractors, A. L. Pendola and E. A.
Garland, Santa Barbara. Contract
price, \$10,440.

PORTLAND AND OREGON

APARTMENT HOUSE—3 story and
base, brick and reinforced concrete,
\$60,000. Portland, Ore. Architects,
Goodrich & Goodrich, Abington Bldg.,
Portland. Owner's name withheld.
The building will be erected on a cor-
ner lot covering a considerable ground
area. Plans show a total of 32 suites
of two and three rooms. All apart-
ments will have wall beds and private
baths. There will be steam heat, ele-
vator service, five dumb waiters, a hot
water system and vacuum cleaning.
Bath rooms will be finished in tile.
There will be marble wainscot. In-
terior will be finished in pine through-
out. Exterior of the building will be
faced with pressed brick. Plans are
now being prepared.

SEWER WORK—Cost not stated.
McMinnville, Ore. Engineer, City En-
gineer R. W. Jones, McMinnville. Own-
ers, City of McMinnville. Plans and
specifications have been completed
under the supervision of City En-
gineer R. W. Jones for the construction
of a trunk sewer system to be built
in this city. Bids will be received by
City Recorder A. C. Chandler until
March 23rd at 7:30 p. m. The contract
is to include the following, which are
approximates only: 300 lineal feet 6-
inch vitrified pipe, 260 lineal feet 10-
inch vitrified pipe, 555 lineal feet 12-
inch vitrified pipe, 260 lineal feet 16-
inch vitrified pipe, 260 lineal feet 18-
inch vitrified pipe, 300 lineal feet 22-
inch vitrified pipe, 300 lineal feet 24-
inch vitrified pipe, 600 lineal feet 30-
inch mono. concrete pipe, 23 concrete
manholes, 8 concrete catchbasin inlets,
1,227 lineal feet 36-inch mono. con-
crete pipe, 4,525 lineal feet 48-inch
mono. concrete pipe.

Contracts Awarded.

SCHOOL—2 story and base, brick
and tile, \$13,327. Silverton, Ore. Ar-
chitect, P. Campbell Browne, Mohawk
Bldg., Portland. Owners, Town of Sil-
verton. Contractors, Anderson & Lar-
son, Silverton. Contract price, \$13,-
327.

CAST IRON PIPE—\$125,290. Port-
land, Ore. Engineer, City Engineer,
Portland. Owners, City of Portland.
Contractors, United States Cast Iron
Pipe Co., Portland. Contract price,
4,250 tons at \$29.48 per ton.

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Phone Sutter 3580

110 JESSIE ST.

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Gompertz, Chas. W. McLeran, Ralph

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Lange & Berg-

strom
Lansing, Frank P.
Larsen & Larsen
Linden, William

Lindgren Co.
Lindsay, Chas. M.
Lynch, P. J.
MacMillen, R.S.K.

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Kahn
Mager Brothers
Martin, William

Masow & Morrison
McGlenahan &
Co., T. W.
McLean, Neil

Mitrovich, J. I.
Moore Bldg Co.
C. P.

Moore & Burlingame
McLaughlin, Jas.
L.

McLeran & Peterson
McMullin - Von
Voorhies Co.
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Munster & Bornholdt
Neldick, Frank
Newsom, Wm. A.

Nielsen, N. F.
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Olson, Andrew
Owsley, Burt T.

Petterson & Persson
*Pratt, J. J.
Quinn, P. P.
Ransome Concrete

Co.
Rednall, W. W.
Reese & Rountree
Reite, J. B.

Roland, F.
Rushdon, C. A.
Sauer, Adam
Saywell, Sylvester

Schulz, J. E.
Sjogren Brothers
Siller Brothers
Speidel, P. F.

Stockholm & Allyn
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& Peterson.
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C. C.
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Thurston & Co.,

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Trost, Robert
Van Sant-Houghton
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Seth
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Wenderling, J.
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Williams Bros. &
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Wold, C. L.
Wright, G. A.
Wright, Chas.
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Bude Iron Works
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Iron Works

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ing & Corr. Co.
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ucts Co.

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Diamond Brick Co.
Gladding - Mc-

McNear Brick
Steiger Terra Cot-
to Co.
United Materials
Co.

Art Ceilings.
Berger Mfg. Co.
Art Glass.
Grosslicht & Din-

niene
Pioneer Plate &
Window Glass
Co.

Schwarz & Gottlieb
Artistic Plaster
Decorations.

Benkman, Ed. G.
Binner Theodore
Larson, O. F.
Lipp & Co., I. P.

Co.
Asbestos Materials
Johns - Manville

Co., H. W.
Magnesia Asbes-
tos Supply Co.
Western Asbestos

Magnesia Co.
Western Builders'
Supply Co.
Asphalt & Bitum-

inous Paving.
Nugent, Robinson
Attorneys.

Aitken & Aitken
Perkins, Geo. R.
Auto Delivery.

Federal Transfer
& Dray Co.
Peerless Motor
Dray Co.

Star Con. Co.
Automobile Supplies.

Burgers, Fred W.
Knowles, T. C.
Boilers.

Peerless Agencies
Company.
Boiler & Pipe Cov-

ering.
Johns - Manville
Co., H. W.

Lewis, W. S.
Magnesia Asbestos
Supply Co.

Western Asbestos
Magnesia Co.
Bonds & Insurance

Agency Company
Aetna Life Ins. Co.
Brown, Carl G.

Costello & Cutler
Glass, Samuel
Guyett & Co., R.

G.
Hayburn, Jas. C.
Illinois Surety Co.

Hughes, Chas. T.
Kohlberg, A. M.
Lloyd & Spengler

MacMeans, H. V.
Meherin & Son,
Mark M.

Pacific Coast Cas-
ualty Co.
Schnee, Gustave
Schweinhard, G.

W.
Webster Co., Per-
cy V.
Brick Contractors

Anderson & Ral-
ney
Alexander, Robt.

Beagle, S. A.
Buckley, Jos.
Collin, Jean
Drake, H. L.
Finilla, M. A.
Gilbertsen, L.
Hogberg & Lud-
wig
John, F. A.
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Cal. Brick Co.
Cal. Pottery Co.
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Clark & Sons, N.
Diamond Brick Co.
Tile Co.

Gladding - Mc-
Bean Co.
McNear Brick
Agency

Steiger Terra Cot-
ta & Pottery Wks
United Materials
Co.

Western Develop-
ment Syndicate
Western Lime &
Cement Co.

Builders
Instruments.
Keuffel & Esser Co.
Building Journals

Building and In-
dustrial News.
Daily Pacific
Builder

Building Materials
Alsen's Portland
Cement Co.
Baker & Hamil-

ton
Bay Develop. Co.
Berger Mfg. Co.
Cal. Brick Co.

Cal. Bldg. Mate-
rial Co.
Cal. Pottery Co.,
Inc.

City Supply Co.
Carnegie Brick &
Company.

Cowell Lime and
Cement Co., H.
Diamond Brick Co.

Dwan Co., J. E.
Falls Mfg. Co.
Fuller & Co., W.P.
Gladding - Mc-

Bean Co.
Gross Co., Felix
Guerin & Co., J. S.
Holloway Exp.

Metal Lath Co.
Holmes Distrib-
uting Co.

Johns - Manville
Co., H. W.
Jorgensen & Co., C
Kinneer Mfg. Co.

Lennon Co., J. E.
Levy, Robt. S.
Mapes, Sanford N.

Meyer, Adolph
Pac. Bldg. Mate-
rials Co.

Pac. Portland Ce-
ment Co.
Paraffine Paint Co.
Parrott & Co.

Raman Co., C.
Ryan, George
S. F. Lime Co.

Shannon, M. T.
Simon-Fout Brick
Co.

Standard Portland
Cement Co.
Steiger Terra Cot-
ta & Potry Wks

Stoner, O. W.
Waterhouse &
Price Co.

Western Asbestos
Magnesia Co.
Western Builders'
Supply Co.

Western Develop-
ment Syndicate
Western Lime &
Cement Co.

Whittier - Coburn
Co.
Woods & Hud-
dart

Card File Co.
Architects' Card
File Co.

Cement Dealers.
Alsen's Portland
Cement Co.

City Supply Co.
Cowell Lime &
Cement Co.

Dwan & Co., J. E.
Guerin & Co., J. S.
Lennon Co., J. E.
Lilley & Thurston

Co.
Meyer, Adolph
Pacific Portland
Cement Co.

Standard Portland
Cement Co.
Waterhouse &
Price Co.

Western Lime &
Cement Co.
Chimneys, Patent

Clawson Co., L. E.
Dresser - McDon-
nell Co.
Hughes, H. J.

Clay Products.
Cal Brick Co.

Cold Storage Insu-
lation
Van Fleet, M. V.

Concrete Contrac-
tors.
American Con-
crete Co.

Amorsen Co. A & T
Barrett & Hill
Bluxome & Co.

Camp & Carrillon
Chase, S. A.
Crescent Concrete
Co.

Daniel & Schott
Dillon, H.
Edminster Bros.
Foster Co., W.

Gnecco, M. H.
Hansen & John-
son.

Haun, C. C. W.
Hurley, P.
Leonard, J. P.
McCabe & Brown

McClenahan &
Co., T. W.
Miller, Louis
Mission Concrete

& Mosaic Wks.
Moroncelli, John
Nilsson & Arras

New Era Marble
& Concrete Co.
Nugent, Robinson
Rasmussen, A.

Riboni, Henry
Schlosser, Max
Schmidt & Son, J.
Sundberg, A.

Spargo, John
Thomas & Sands
Westerlund, J. V.

Zimmerman, L. M.
Concrete Machy.
Bacon & Co., E. R.

Road Machy. Co.
Lansing Co.
Livermore Co.,
Norman B.

Contractors' Equipment.
Bacon & Co. E. R.
Blaisdell Mchy.
Co.

Compressed Air &
Gen. Mchy. Co.
Lansing Co.

Mapes, Sanford N.
Orenstein - Ar-
thur Koppel Co.

Cornice Works.
Amsler Sheet
Metal Works

Appman Cornice
Works.
Atlas Heating &
Ventilating Co.

Capitol Sheet
Metal Works
Conlin & Roberts.
Crown Cornice

Works
Cronan, Wm.

Elite Sheet Metal Works
Guilfooy Cor. Wks.
Comyns & Nygren
Forderer Cornice

Works
G. & M. Sheet
Metal Works.

Hibernia Sheet
Metal Works
Hughes, H. J.

Ideal Cornice Co.
Korell & Co., J. A.
Modern Sheet
Metal Works

Morrison & Co.
U. S. Metal Prod-
ucts Co.

Western Furnace
& Cornice Co.
S. F. Metal Stamp
& Carr. Co.

Crude Oil Burners
Bill & Jacobsen
Fess System Co.
Johnson Co., S. T.

Crushed Rock.
Bay Devel. Co.
Cal. Building Ma-
terial Co.

Cassarretto, John
City Supply Co.
McMullin, A. L.
Simon-Fout Brick

Co.
Star Contracting
Company.
Standard Crushed

Rock Co.
Stone Co., E. B. &
A. L.

Western Develop-
ment Syndicate
Damp Proofing.

Brickley, P. J.
Fox, John L.
Keene Co., E. G.
Reagle & Jamei-

son
Taylor, L. A.
Whittier - Coburn
Company.

Door Opener and Closer.
Rischmuller, Geo.

Electric Fixtures.
City Electric Co.
Gas & Elec. App.
Co.

Pac. Gas & Elec
Company.
Electric Wiring & Equipment.

American Elect.
Eng. Co.
Central Elec. Co.

Decker Electrical
Construction Co.
Farnsworth Elec-
trical Works.

General Electric
Constr. Co.
Globe Electric
Works

Hicks & Foite
Kirsten, W. H.
Lauder, H. I.
Manhattan Elec-
trical Co.

National Electric
Co.
Newberry - Bend-
heim Elec. Co.

Peters, Gus. J.
Rex Electric Con-
struction Co.

Ridley, A. E. B.
Rochdale Elec. Co.
Schmitschek, M.
Turner Co., The

Vitt Elec. Co.
Weidenthal - Gos-
liner Elec. Co.

Weitel Electric Co.
Elevator Builders.

Otis Elevator Co.
S. F. Elevator Co.
Van Emon Eleva-
tor Co.

Estimator.
Dillon, H.

- Morser, E. J.
Peterson, P. O.
Fridle, Arthur
Walker, J. M.
Church
- Floors, Composition.**
Artolith Mfg. Co.
Bender R.&P. Co.,
J. W.
Dwan Co., J. E.
Fibrestone &
Roofing Co.
Flaherty R. & P.
Co., R. H.
Malott & Peterson
- Floors, Hardwood.**
Hardwood Int. Co.
Inlaid Floor Co.
Pac. Floor Sand-
ing Co.
- Galvanized Iron.**
Baker & Hamil-
ton
Berger Mfg. Co.
Gas Fixture.
Day Co., Thomas
- Gas Heating Sys-
tems.**
Reactor System
Gas Heating Co
- Gasoline Tanks &
Pumps.**
Brown, F. R.
Blaisdell Mch'y. Co.
- Glass & Glazing.**
Cal. Plate & Win-
dow Glass Co.
Friedman Bros.
Fuller Co., W. P.
Grosslicht & Din-
necht
Habenicht &
Howlett
Mission Plate &
Window Glass
Co.
Pioneer Plate &
Window Glass
Co.
Schwarz & Gott-
lieb
- Grading.**
Branick, J. P.
Carlin Bros.
Cassaretto, John
Devincenzi & Co.,
L.
Dillon Teaming
Co.
Federal Transfer
Co.
Glorgi Co., G.
Hartnett J. D.
Harbor View
Contract Co.
Hule Co., E. M.
Lennon Co., J. E.
Lettler, Fred
McGlitchey &
Monahan
Montague Co., P.
O'Day Co., Dan'l
O'Donnell, Philip
Powers, Chas. J.
Bibley Grading &
Teaming Co.
Star Con. Co.
Wright Co., J. H.
- Granite Curbing.**
Graham Granite
Co.
Lead Granite Co.,
W.
Pacific Granite Co.
Tronoff, John
- Gravel.**
Bay Devel. Co.
Cal. Building Ma-
terial Co.
Cassaretto, John
City Supply Co.
Standard Crushed
Rock Co.
Star Contracting
Company.
Stone Co., E. B. &
A. L.
- Hardwood Deal-
ers.**
Inlaid Floor Co.
Hardwood Inter-
ior Co.
Union Floor Co.
- Wood Lumber Co.,
E. K.
- Hd'ware, Dealers.**
Baker & Hamil-
ton
Bennett Bros.
Kruse, J. H.
Joost Bros.
Meyer, Adolph
Norman & Sons,
F. G.
Palace Hd'ware Co.
S. F. Hd'ware Co.
Smith Co., P. A.
- Heating & Venti-
lating.**
Atlas Heating &
Ventilating Co.
Klennan & O'Brien
Hurley Co., J. C.
Lawson, Herman
Looney Co., J.
Mangrum & Otter
Snook & Co.,
Fred W.
Torrid Zone Fur-
nace Co.
Turner Co., The
Wilson, Robt. M.
- House Movers &
Raisers.**
Hatch, H. L.
Pearson, N. H.
Sullivan, D. J. & T.
- Holisting Engi-
neer.**
Le Clair, S. D.
- Inlaid Floors.**
Hardwood Inter-
ior Co.
Inlaid Floor Co.
Pac. Floor Sand-
ing Co.
- Interlocking Tile
Blocks.**
California Deni-
son Block Co.
- Iron Foundry.**
Stelger & Kerr,
Stove & Found-
ry Co.
- Iron & Steel.**
Baker & Hamil-
ton
Dawson & Noyes
Judson Mfg. Co.
Pacific Coast Steel
Company.
Trussed Concrete
Steel Company.
Woods & Huddart
- Iron Works.**
Brode Iron Wks.
Dyer Bros.
Eureka Wire &
Iron Wks.
Golden Gate Iron
Works
Hillard Co., C. J.
Kell Iron Works
Michel & Pfeffer
Monarch Iron
Works
Pacific Iron Wks.
Pacific Structural
Iron Works.
Raiton Iron
Works
S. F. Iron Works
Sartorius Co.
Schraeder's Iron
Works
Stelger & Kerr
Stove & Found-
ry Co.
Vulcan Iron Wks.
West Coast Wire
& Iron Works
Western Iron
Works
- Joint Hangers &
Post Caps.**
Falls Mfg. Co.
Pac. Bldg. Mate-
rials Co.
Roman Co., C.
Waterhouse &
Price Co.
Western Bldg.
Supply Co.
- Lathers, Wood &
Metal.**
Balzke, Robt.
Edwards, C. H.
Hayden, Fred
Kaiser, Jos.
McAbee, E. T.
Raymond, Wm. H.
Snell, Ralph L.
- Lighting Fixtures**
Day Co., Thomas
Mohillite Co.
- Lime & Plaster
Dealers.**
Arden Plaster Co.
Cal. Lime & Hy-
drate Co.
Cowell Lime &
Cement Co.
Guerin & Co., J. S.
Lennon Co., J. E.
Pacific Portland
Cement Co.
Western Lime &
Cement Co.
- Lumber Dealers.**
Acme Lumber Co.
Christenson Lum-
ber Co.
Columbia Lumber
Co.
Doe Co., Frank P.
Excelsior Red-
wood Co.
Hardy Lumber Co.
Hart-Wood Lum-
ber Co.
Hauptman Lum-
ber Co.
Kruse Co., J. H.
Hooper Lumber Co.
Higgins Lumber
Co., J. E.
Loop Lumber Co.
MacDonald Lum-
ber Co.
Moore Mill and
Lumber Co.
Oakley, —
Olson, — Mahony
Lumber Co.
Peterson, E. T.
Pope & Talbot
Reinhart Mill &
Lumber Co.
Ryan, George
Santa Clara Val-
ley Mill & Lum-
ber Co.
Santa Fe Lumber
Co.
S. F. Lumber Co.
Schouten & Co., J.
W.
Sunset Lumber Co.
Tierman & Beronie
Van Arsdale-Har-
ris Lumber Co.
Wilson Bros. & Co.
Wood Lumber Co.,
E. K.
Wright, Jr., Wm.
- Magnesian Floor-
ing.**
Artolith Mfg. Co.
Bender R.&P. Co.
Dwan & Co., J. E.
Fibrestone &
Roofing Co.
Flaherty R.&P. Co.
R. H.
Goodmanson, A. K.
Malott & Peter-
son
Watsonite Co.
- Mantels, Tiles &
Grates.**
General Building
Work Co.
Ginsberg Bros.
Mangrum & Otter
Peerless Agencies
Co.
- Marble and Mosaic
Work.**
General Building
Work Co.
Gnecco, M. H.
Grassi & Co., P.
Mission Concrete
& Mosaic Wks.
Mission Marble
Works.
Musto Sons-Keen-
nan Co.
New Era Marble
& Concrete Co.
Teltz, Francis E.
Tomagnini & Co.,
G.
Vermont Marble
Co.
- Metal Lath.**
Atlantic Fire-
proofing Co.
Berger Mfg. Co.
Holloway Metal
Lath Company.
- Waterhouse &
Price**
Western Builders'
Supply Co.
- Metal Stamping**
S. F. Metal Stamp-
ing & Corr. Co.
U. S. Metal Prod-
ucts Co.
- Notary Public.**
Duncan, A. M.
- Oils and Greases.**
Standard Oil Co.
Union Oil Co.
- Ornamental Plas-
tering.**
Benkman, Ed. G.
- Painters and Dec-
orators.**
Baker Co., W. T.
Bell, Wm. J.
Bernstein, Wm.
Blum, Louis
Brown, J. L.
Burns Bros.
Clark & Dickson
Cramer Bros.
Conlin, J. J.
Copnick, T. W.
Dahl, T. H.
Donovan, V. J.
Hansen, Elbing A.
Johnson, C.
Kissel, Isidor
Miller, L.
Miller, J. A.
McCubbin, James
Manning, John
Neal, L. J.
Progressive
Painting Co.
Quandt & Son
Ruderman, I.
Simon Nelson Co.
Smith, J. S.
Sovig, C. E.
Trost, C. R.
Walk, Mayer
Wagner, Fred
Wagner Bros.
Zelinsky, R.
- Paints, Oils Varn-
ishes, Etc.**
Clark & Dickson
Cohn & Co., Mar-
ion D.
Fuller Co., W. P.
O'Brien, J. S.
Paint Products
Corporation
Paraffine Paint Co.
Pratt & Lambert
Whittier - Coburn
Co.
- Patent Chimneys.**
Clawson Co., L. E.
Dresser - McDon-
Hughes, H. J.
- Pile Driving.**
Lamburth, C. E.
- Paving Brick.**
Cal Brick Co.
- Planting Mills.**
Acme Plgn. Mill
Anderson Bros.
Atlas Planing
Mill Co.
Builders' Supply
Depot
Cal. Door Co.
Cal. Planing Mill.
Emanuel, L. & E.
(Inc.)
Empire Planing
Mill
Hart & Burmels-
ter
Hermann, A.
Herring's Mill
Holden - Deuprey
Co.
Lorden Mill Co.,
J. P.
Main St. Planing
Premus Planing
Mill
Reinhart Lumber
& Planing Mill
Ryan, George
- San Mateo Plan-
ing Mill**
Santa Clara Val-
ley Mill & Lum-
ber Co.
Spencer St. Plan-
ing Mill
Taylor & Co.
Western Planing
Mill
Veyhle & Collins
- Plasterers.**
Bosch, Herman
Bradley & O'Reilly
Brennan, James
Campbell, Chas.
Campbell & Will-
iams
Connell Co., J. E.
Daly, J. H.
Duthie, Chas.
Gilmour, W. G.
Jones, Francis
Kaiser, Jos.
Leaf, Al.
MacGruber & Co.
Mellon, Thos.
Modica, S.
Mowat Donald
Fehlin, J. J.
Sexton, T. D.
Terranova Bros.
Wagner, James A.
- Plumbing and Gas
Fitting.**
Band, S. W.
Bernard, Geo. F.
Dunn, Nell H.
Goss, Wm. P.
Grundy, Ed.
Houston, J. J.
Kara, F. E.
Klennan & O'Brien
Lacey, E. V.
Lauder, H. I.
Lawson, Herman
Lettich, Antone
Lettich, J. M.
Looney Co., J.
May, Gus
McLeod, J. J.
Penkerton, J. H.
Skelly, Thomas
Snook & Co.,
Fred W.
Turner Co., The
Wetzel, Theo.
Wilson & Co., W.
- Plumbers Supplies**
Kinney Co., R. W.
Mark-Lally Co.
Mueller Mfg. Co.,
H.
Nelson Mfg. Co.
Pac Sanitary Mfg
Co.
Paragon Brass
Mfg. Co.
- Radiators.**
American Radia-
tor Co.
- Railway Materials**
Orenstein - Ar-
thur Koppel Co.
- Rigging.**
Lamburth, C. E.
- Roofing, Gravel &
Composition.)**
Bender Roofing &
Paving Co.
Cantley & Co., J.
Enterprise Roof-
ing Co.
Flaherty, R. H.
Keene Co., R. E. G.
Lawson Roofing
Co.
Lewis, W. S.
Malott & Peterson
Rapheld Roofing
Co.
Samuel Co., H. D.
Watsonite Co.
Western Asbestos
Magnesia Co.
Western Felt and
Refining Co.
- Roofing (Slate &
Tile.)**
Graham, R. G.
Klatt, R. J.
White, Ed. A.
Fibrestone &
Roofing Co.
- Roofing Materials.**
Johns - Manville
Co., H. W.
Paraffine Paint Co.
Waterhouse &
Price
Western Asbestos
Magnesia Co.
Western Builders'
Supply Co.
Whittier - Coburn
Co.
- Sand, Gravel, Etc.**
Bay Develop. Co.
Cal. Building Ma-
terial Co.
McMullin Bros.
Stone Co., E. B. &
A. L.
Western Develop-
ment Syndicate.
- Sanitary Garbage
Chutes.**
Bill & Jacobsen
- Sand Blasting.**
McDermott, W.
- Sheet Metal Wks.**
Amsler Sheet
Metal Works
Appman Cornice
Works
Atlas Heating &
Ventilating Wks.
Capitol Sheet
Metal Works
Comyns & Nygren
Cronan, Wm.
Crown Cornice
Works
Elite Sheet Metal
Works
Formder Cornice
Works
G. & M. Sheet
Metal Works
Guilford Cornice
Hibernia Sheet
Metal Works
Hughes, H. J.
Ideal Cornice Wks
Korall & Co., J. A.
Modern Sheet Met-
al Works.
Morrison & Co.
S. F. Metal Stam-
ing & Corr. Co.
U. S. Metal Prod-
ucts Co.
Western Furnace
& Cornice Co.
- Sidewalk Lights.**
Jackson Co., P. H.
Dwan & Co., J. E.
Phoenix Sidewalk
Light Co.
- Stair Builders.**
Bishop & Peralino
Bolter, John
Jacobsen, J. F.
Porter, W. F.
Stewart, J. K.
- Stationery.**
Foster & Short
Wright, J. H.
- Steel Bars.**
Baker & Hamil-
ton
Dawson & Noyes
Woods & Hud-
dart.
- Pacific Coast
Steel Co.**
Soule Co.
- Steel Erector.**
Schauer, Fred C.
Pioneer Con. Co.
Williams Con-
struction Co.
- Store Fronts**
Kawneer Mfg. Co.
U. S. Metal Prod-
ucts Co.
- Structural Steel
Contractors.**
Central Iron Wks
Dyer Bros.
Judson Mfg. Co.
Pacific Structural
Iron Works
Pac. Rolling Mills
Schraeder's Iron
Works
S. F. Iron Works
Western Iron Sup-
ply Co.
- Stoves.**
Mangrum & Otter
Stelger & Kerr

Structural Steel Contractors.

Brode Iron Wks.
Dwer Bros.
Golden Gate Iron Works
San Francisco Iron Works
Ralston Iron Wks
Vulcan Iron Wks.

Surveyors.

Morser, E. J.
Quimby, L. S.
Wetherell, Chas E

Teaming & Grading.

Branick, J. P.
Blanchini, G.

Federal Transfer & Draying Co.

Carlin Bros.
Devencenzi & Co., L.
Dillon Teaming Co.

Federal Transfer & Draying Co.
Harbor View Contract Co.

Huile Co., E. M.
Lennon Co., J. E.
Leffler, Fred
McGlinchey & Monohan
Montague Co., P.
O'Day Co., D.
Powers, Chas. J.

Sibley Teaming & Grading Co.

Star Contracting Co.
Wright Co., J. H.

Tiling.

Cal. Tile Contr. Co.
Ginsberg & Co., S.
Mangrum & Otter
Peerless Agencies Co.

Vacuum Co.
Bill & Jacobson
Hughson & Merton Co.
Schaer Bros.
Stevens Co., Frank A.

Hyde Henry C. United Elec. Co.

Wall Beds.
Marshall - Stearns Co.
Water Company.
Spring Valley Water Works.

Whitewashing
Brickley, P. J.
Reigle & Jameison
Taylor, L. A.

Window Cleaning.
American Window Cleaning Co.

Windows. Patent.
Simplex Window Co.

Central Electric Co.

City Electric Co.
De Lew, M. A.
Decker Electric Co
Globe Elec. Co.
Levy Elec. Co.

Elevators.
Otis Elevator Co.
Van Emon Elevator Co.

Fibre.
S. F. Fibre & Cordage Co.

Fireproof Doors.
Norris, L. A.

U. S. Metal Products Co.

Floor Sanding
Inland Floor Co.
Pacific Floor Sanding Co.

Grill Work.
Cal. Art Metal & Wire Works.

Merle Co., A.
Sartorius Co.
Withington, C. W.

Gen. Contractors.
Andrus, R. C.
Brigham, H. B.
Brockhage, Foley & Green

Caldwell & Co.
Cereghino & Son, Louis

Currie & Currie
Dempniak Bros.
Farquharson, D. B.
Fluth, J.

Fraser & Fraser
Graham, D. E.
Griffith, Wm.
Hannah, J. D.

Hannah & Co. J.S.
Hayes, W. W.
Jackson, A.
Kuykendall, J. O.

Malley, Edward.
Matthies, Henry
Peacock, John
Schnebley, Host-trawser & Ped-griff

Glass and Glazing
Cal. Plate & Window Glass Co.
Cohen, I.
Cobbledick-Kibby Glass Co.

Friedman Bros.
Fuller, W. P. & Co.
Habenicht & Howlett

Holland, J. P.
Schwarz & Gottlieb (Inc.)

Grading & Teaming.
Dillon, D.
Eureka Teaming Co.

Fay, S. J.
Greenwalt, C. J.
McClure, H. N.
Wilhelm, A. H.

Wilkie Co., A.
Williams, F. A.
Wright, Chas.
Monarch Teaming Co.

Sibley, L. B.
McLenegan, S. B.

Granite.
Bradbury, Thos.
Cal. Granite Co.
De Lano & Sons, I. L.

Hunt, A. T.
Raymond Granite Co.

Hardware.
Joost Bros.
Kruise, J. H.
Lorenz, Schaffner & Co.

Meyer, A.
Palace Hdq Co.
Heat and Light.
Pacific Gas and Electric Co.

Heating & Ventilating.
Burnham Plumbing & Heating, Inc.

Cronan, Wm.
Mangrum & Otter
Montague, W. W. & Co.

House Moving & Raising.

Blume Cont'g Co.
Pearson, E. K.
Sullivan, D. J. & T.

Inland Floors.
Hardwood Interior Co.
Inland Floor Co.
Pacific Floor Sanding Co.

Iron Works.
Lorenz, Schaffner & Co.
Michaels & Pfeiffer

Monarch Iron Works.
Pacific Rolling Mill Co.

Pacific Struc. Iron Works.
Joist Hangers & Post Caps.

Kortick - Falls Mfg. Co.
Lilley & Thurston Co.

Lorenz Schaffer & Co.
Western Builders' Supply Co.

Kawneer System Store Fronts.
Falls Mfg. Co.
Lilley & Thurston Co.

Light and Power
City Electric Co.
Pac. Gas & Electric Co.

Lime, Cement, Etc.
Acme Cement Plaster Co.
Arden Plaster Co.

Cowell Lime & Cement Co.
Holland, J. P.
Holmes Lime & Cement Co.

Lennon, Jas. E.
Lucas, W. E.
Pacific Bldg. Material Co.

Pac Lime & Plaster Co.
S. F. Lime Co.
Shasta Lime Products Co.

Western Building Material Co.
Western Lime & Cement Co.

Lumber.
Acme Lumber Co.
Christenson Lumber Co.

Hardy, Jas. H., Inc.
Hart-Wood Lumber Co.
Humboldt Lumber Co.

Hauptman Lumber Co.
Hooper Lumber Co.
Kruise, J. H.

Loop Lumber Co.
Macdonald Lumber Co.
Moore, R. B. Mill & Lumber Co.

National Mill & Lumber Co.
Olsen Mahoney Lumber Co.
Pope & Talbot.

Santa Fe Lumber Co.
Schouten Lumber Co.
Tiernan & Bero-nio

Van Arsdale-Harris Lumber Co.
Wilson Bros. & Co.
Doe Co., F. P.

Lumber (Hardwood.)
Dieckmann & Co.
Howard, E. A. & Co.

Niehaus, Ed. F. & Co.
White Bros.
S. F. Lumber Co.

Machinery.
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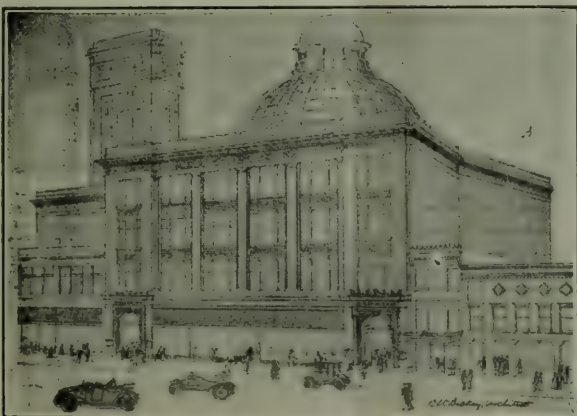
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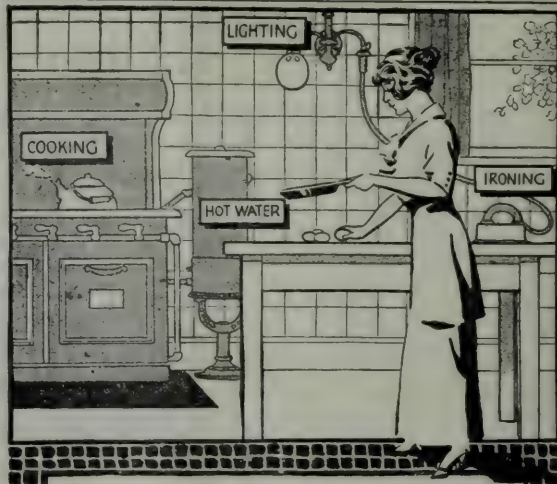
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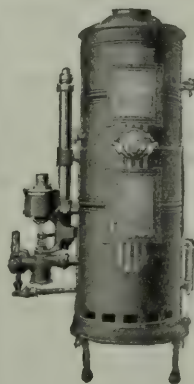
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Editorial Comment.

Building construction for the month of February throughout the country made a better showing than it did last month. From 80 cities representing building centers throughout the country the decrease for the month amounted to 14 per cent as compared with the same month of last year. Further there seems to be a revival of building operations in the larger cities, which seems to indicate that business is adjusting itself to present conditions. The following table shows the record for the month:

	February, 1915	February, 1914.
Akron	\$ 110,260	\$ 198,530
Albany	277,115	200,650
Atlanta	471,961	335,391
Baltimore	977,365	417,743
Berkeley	93,600	100,200
Birmingham	136,710	216,455
Boston	1,375,810	2,964,032
Bridgeport	237,495	154,682
Buffalo	307,000	660,000
Cedar Rapids	133,000	145,800
Chattanooga	33,110	108,925
Chicago	4,701,500	5,097,900
Cincinnati	499,645	316,515
Cleveland	1,733,925	1,398,010
Columbus	153,350	225,915
Dallas	324,185	565,320
Dayton	14,453	49,970
Denver	165,070	206,205
Detroit	1,307,215	3,020,850
Duluth	89,647	156,370
East Orange	182,607	42,678
Evansville	85,435	159,256
Fort Wayne	80,100	103,300
Grand Rapids	104,300	82,095
Harrisburg	38,425	41,875
Hartford	151,600	99,165
Indianapolis	207,750	292,469
Kansas City	896,330	1,053,950
Lincoln	31,560	35,675
Little Rock	37,095	69,084
Los Angeles	560,697	1,455,730
Louisville	283,220	163,800
Manchester	40,065	51,310
Memphis	101,735	275,455
Milwaukee	409,056	577,148
Minneapolis	811,495	498,005
Montclair	65,926	48,987
Nashville	65,705	79,885
Newark	955,391	1,247,933
New Haven	674,855	291,754
New Orleans	97,323	204,794
New York City	12,159,733	8,784,931
Manhattan	5,899,930	2,761,042
Bronx	2,657,934	1,286,311
Brooklyn	1,868,365	3,535,465
Queens	1,582,125	1,101,709
Richmond	151,379	100,404
Oakland	328,934	429,192
Oklahoma	42,780	12,235
Omaha	84,100	221,175
Pasadena	36,531	83,035
Paterson	57,217	65,378
Peoria	51,750	66,350
Philadelphia	2,574,730	1,794,905

Pittsburgh	608,644	2,010,568
Portland	311,740	605,530
Richmond	259,184	270,567
Rochester	382,607	372,957
Sacramento	123,307	200,691
Salt Lake City	147,705	112,600
San Antonio	113,595	577,950
San Diego	95,990	162,098
San Francisco	1,637,148	2,331,866
San Jose	27,418	42,278
St. Joseph	18,751	29,715
St. Louis	701,062	908,083
St. Paul	797,054	371,445
Schenectady	3,825	8,680
Scranton	42,600	64,729
Seattle	353,880	553,295
Shreveport	41,576	115,002
Sioux City	36,150	28,875
Spokane	21,725	24,125
Springfield, Ill.	65,900	28,050
Stockton	33,900	21,936
Syracuse	160,383	75,915
Tacoma	56,751	167,722
Toledo	454,607	606,400
Topeka	37,770	49,110
Troy	47,445	26,966
Utica, N. Y.	7,975	19,000
Washington	890,833	834,036
Wilkes Barre	70,125	36,973
Worcester	104,220	104,820
Total	\$42,122,731	\$45,418,991

There can be no better time than the present to enlist the services of all good citizens who have the principles of conservation at heart, to form a strong state forestry organization, whose duties will be looking after the interests of the people of the state in all matters relating to forestry. The present forest laws are very unsatisfactory inasmuch as they make no provision for an adequate system of forest protection. They depend upon a system of voluntary firewardens who serve without pay, and there is no gainsaying the fact that a system which compels a man to neglect his business to fight fire remote from his property without compensation cannot be efficient. Therefore, a paid system of protection is necessary.

There is a measure now before the Legislature, Senate Bill No. 460, and its companion—Assembly Bill 605, which meets all the requirements of a strong protective system. Its aim is to protect every industry and further the principles of conservation. By urging the senator and assemblymen from your district to support this bill much can be accomplished, and our State Forester will then be in a position to carry out a systematic plan of protection that will bring results.

There is undoubtedly much to be done by California in protecting her forests and streams, and its realization depends principally upon good and popular legislation. Friends of conservation will support the above mentioned bill; others will not.

Why San Francisco Should Purchase the Property of the Spring Valley Water Company.

Report of Advisory Water Committee
of the Board of Supervisors.

San Francisco, August 10, 1914.

To the Honorable, the Board of Supervisors of the City and County of San Francisco.

Gentlemen: On the 24th day of February, 1913, your Honorable Board passed Resolution No. 639, requesting the City Engineer to transmit to you a list of properties belonging to the Spring Valley Water Company necessary, available and usable for a source of water supply for the City and County of San Francisco, which properties, including a distributing system, would be made an integral part of the Sierra water supply. Therefore on the 19th day of November, 1913, the City Engineer, pursuant to your request, transmitted to your Board his report, together with a list containing specific descriptions of the properties aforesaid. Accompanying this report and list was also an atlas containing maps delineating said properties. Reference to the list and atlas, now on file in the office of the clerk of your Honorable Board, is hereby made.

On the 31st day of December, 1913, pursuant to resolution of your Honorable Board, the City and County of San Francisco, through the City Attorney, commenced an action in the Superior Court of this city and county, to condemn said properties. The action is now pending and is numbered on the register of the Superior Court, No. 33708.

Pending the action and during the course of preparation for trial thereof, the City Engineer and experts employed by the city examined all of the properties described in the complaint in said action, for the purpose of ascertaining the value thereof.

While preparing for the trial of the case the City Attorney and his assistants entered into negotiations with representatives of the Spring Valley Water Company, with the desire to avoid, if possible, the inevitable delays incident to litigation, and with a view of coming to an understanding as to the amount which the company would accept for the properties sought to be condemned. After the negotiations had been opened, the City Engineer made a further examination of the "Pleasanton Lands" in Alameda County, belonging to the company, which were included in the condemnation proceedings. These lands comprise about 5,614 acres, and if purchased would be valuable to city only for waters under their surface, which now yield the Spring Valley Water Company 10,000,000 gallons daily, or about one-fourth of the total daily supply delivered to San Francisco. After careful examination by the City Engineer, he concluded, and so reported to the Advisory Committee, that the only part of said "Pleasanton Lands" necessary for the city's purposes was that part south of County Road No. 2000, containing 654 acres, and certain strips of land in that part of the tract north of the county road,

containing 86 acres, provided the city had the right to pump water from its wells to the extent of fifteen million gallons daily, regardless of the effect of operation of the wells on the water plane under the adjoining lands retained by the company. During the negotiations it was stipulated by the City Attorney and the representatives of the company that in the event of purchase by the city of the properties mentioned, the city would buy 654 acres of "Pleasanton Lands" south of County Road No. 2000, and the strips of land mentioned in the tract north of the county road, and that the city should have the right to take waters to the extent of 15,000,000 gallons daily, or 5,000,000 gallons more than have ever yet been taken in one day from the property, without hindrance or conditions of any sort, the company agreeing on behalf of itself, its successors and assigns, to waive all right to object to or enjoin the taking of waters up to the limit mentioned, either upon the ground that the pumping from the city's wells to the extent of said limit lowered the water plane under the land retained by the Spring Valley Water Company, or drained the waters beneath the lands so retained, or upon any other ground whatever. In due time the City Attorney reported to your Advisory Water Committee that the Water Company was willing to sell to the city for the sum of \$34,500,000 and payments of capital expenditures made by the company since January 1, 1913, with interest, upon certain terms and conditions fully set forth in letter from your committee to the Spring Valley Water Company, dated July 27, 1914, and hereinafter referred to, all of the properties described in the condemnation proceedings, with this exception, however, that the city should take only 654 acres of the "Pleasanton Lands" south of the County Road No. 2000, and the strips of land hereinabove mentioned, containing 86 acres situated north of said county road. These strips to be selected by the City Engineer, to insure the maximum possibilities of the entire water-bearing region.

On the 15th day of June, 1914, your committee and a majority of the members of the Board of Supervisors met in the office of the Mayor and considered the proposition. At the meeting of the Advisory Water Committee was instructed by those present to send to the Spring Valley Water Company a communication requesting them to state in writing its willingness to accept for its properties required by the city the said sum of \$34,500,000.00 and said capital expenditures, with interest, on the terms and conditions hereinabove and in said letter of July 27, 1914, referred to. Thereafter, to wit, on the 27th day of July, 1914, your Advisory Committee signed and sent the Spring Valley Water Company a letter requesting it to state in writing whether or not it

was willing to sell its properties under the terms and conditions which were set forth in said letter.

On the 30th day of July, 1914, said Spring Valley Water Company answered said letter, and in its answer stated its willingness to sell the properties under the terms and conditions set for in said letter of July 27, 1914.

The lands and other properties offered by the Spring Valley Water Company to the city include everything of value required by the city for a water supply.

The city wants water—not land.

For that reason your committee deemed it advisable to exclude all lands not used or usable for producing, conserving, impounding, or transmitting water.

The proposal of the Spring Valley Water Company involves a sale to the city of 823.67 acres of Lake Merced Rancho, the remainder of the tract, embracing 1,253.69 acres in San Francisco County and 779.07 acres in San Mateo County, would be of no value to the city for water supply purposes, and if purchased by the city would entail a very heavy additional expense and would withdraw from settlement a large area of land which, in the near future, will be improved and yield an increased revenue to the city in the way of taxes.

The Alviso or South Bay lands are excluded from the offer of the Spring Valley Water Company, and contain 5,283.63 acres. These are marsh lands and situated at the southern extremity of San Francisco Bay, having been originally acquired by the Spring Valley Water Company for the purpose of development of water by wells. All plans looking toward the utilization of them have been abandoned for the reason that the withdrawal of water from the area would seriously affect the water supply of the surrounding country, including Palo Alto. This is shown by the fact that the proposal so to do early resulted in an attack by the communities which would be affected, after which the development ceased. In addition to this it is doubtful if water from the lands in such close proximity to tidewater can be withdrawn in sufficient quantity for a supply for San Francisco without deteriorating the quality. Notwithstanding the fact that these lands are in immediate proximity to the supply main of the Spring Valley Water Company no attempt has been made to transmit this water to San Francisco, which is the best evidence of the value placed upon them by the Spring Valley Water Company. The experts for the city have appraised these lands at \$111,000.

The Coyote Creek lands contain 11,977.96 acres, and are not included in the offer of the Spring Valley Water Company. These lands are tributary to the Coyote Creek and Pajaro River. They cover an underground source of supply, all of which is needed to sat-

isfy the farming interests below. These lands were bought by the Spring Valley Water Company many years ago, presumably for the purpose of heading off competition in this territory by the Bay Cities Water Company, and any attempted withdrawal of water by the Spring Valley Water Company, or by the city would be resisted by the Bay Cities Water Company on the one hand, and by the land owners in the valley on the other. Any attempted withdrawal of such water would be immediately followed by litigation. A permanent injunction has already been granted in the Superior Court of Santa Clara County against the Bay-Cities Water Company, and said injunction against the withdrawal of water has been affirmed by the Supreme Court of this State. Even if the project to utilize these lands for water supply for San Francisco was not clouded with doubt as to the right to do so, it would be indefensible upon the ground of expense of development and transmission. These lands have been appraised by the experts for the city at \$134,469.50.

San Benito Lands.—These lands are in the same general region as the lands noted above, and contain 691 acres. These lands, also, are not included in the offer made by the Spring Valley Water Company. They lie on the other side of the ridge from the Coyote Creek proper and drain into the Pacific Ocean. The same general statement applying to the Coyote lands applies to this property. While possibly somewhat more valuable for other purposes it lacks value to the city of San Francisco as a source of supply for reason that the expense of development and transmission, as well as the uncertainty of results, are beyond reason. The city experts have appraised the market value of these lands at \$72,725.00.

All of the other tracts of land retained by the Spring Valley Water Company are of no value for water supply purposes to San Francisco except in certain cases, and in such tracts the water rights appurtenant to the land are to be conveyed to the city, thus giving to San Francisco all the value that can attach to them as water supply lands.

The Operating Revenue of the Spring Valley Water Company.

1st: With the operating revenues as collected by the Spring Valley Water Company for the calendar year 1913;

2nd: With the works of the Spring Valley Water Company under the management of the city for the same year, collecting the same rate, but operating the properties offered for sale to the city;

Your committee recommends that the city, subject to the approval of the people, offer to purchase from the Spring Valley Water Company its properties described in said "Exhibit A," hereunto annexed, for the consideration and upon the terms and conditions mentioned in said exhibit; that the proposition to acquire said properties and incur a bonded indebtedness to pay for the same be submitted to the voters at a date hereafter to be determined by your Honorable Board. The following is a statement of reasons which have impelled your Advisory Water Committee to make this

recommendation:

Reasons Why the City and County of San Francisco Should Purchase the Properties of the Spring Valley Water Company.

1. The properties offered for sale include all necessary lands, watersheds, water rights, and everything else of value belonging to the Spring Valley Water Company required by the city for its water system, and are substantially the same properties sought to be condemned in the pending condemnation suit.

2. The price which the company is willing to accept, to-wit, \$34,500,000 and capital expenditures made by the company since January 1, 1913, not to exceed \$595,000, approximates the valuation placed upon the properties by the City Engineer and experts employed by the city to ascertain values for the purposes of condemnation.

3. The Prosecution of the condemnation suit now pending may result in delay that will postpone indefinitely the acquisition of the properties by the city, and may cause the city to pay a higher price ultimately.

4. The system of the Spring Valley Water Company, if purchased, will be self-supporting from the start.

5. The purchase and operation of the plant by the city, and the necessary extension of the distributing system, will not increase taxation.

6. As the gross revenue collected by the company in the year 1913 from the properties offered for sale amounted to \$3,322,048.10 (rates, rentals, etc., including increase over rates fixed by ordinance), and as the city will certainly derive from the plant, without additions to or extensions thereof, an annual net income in excess of \$2,000,000, at present ordinance rates, the offer made by the Spring Valley Water Company must be deemed reasonable.

7. The completion of the Calaveras dam and reservoir, now in course of construction, will cause an increase in the city's water supply to the extent of at least 50 per cent, and a corresponding increase in revenues.

8. The increased supply resulting from the completion of the Calaveras dam and reservoir will be sufficient to meet the demands of the city until the population exceeds in number 750,000, and until the completion of the Hetch Hetchy system.

9. The net income to be derived from the properties after the completion of the Calaveras dam and reservoir and from the use of additional waters obtained from that source, will be sufficient to pay interest on all bonds issued to pay the purchase price, and interest on additional bonds required to defray the cost of extending the distributing system, and to provide a sinking fund to redeem the bonds.

10. The unsettled portions of the city — Richmond, Sunset, University Mound, Excelsior Homestead, Sunnyside, Ocean View, Holly Park, and other districts now sparsely settled by reason of an inadequate supply or entire absence of water, will rapidly improve.

11. The present supply of water is absolutely insufficient. Immediate steps to increase the supply should be taken. The Spring Valley Water Company will not expend the capital necessary to increase the supply or extend its mains, and the city cannot

wait seven or eight years for the completion of the Hetch Hetchy system.

12. The reservoirs of the Spring Valley Water Company in San Mateo County, and its reservoirs and distributing system in San Francisco, will be required for the storage and distribution of water from Hetch Hetchy.

13. The growth of San Francisco has been retarded in the past and will, unless the city acquires and promptly extends the present system, be retarded in the future by reason of its inadequate supply of water for domestic purposes and fire protection. At least forty percent of the territory of San Francisco is now unimproved, and will remain unimproved until San Francisco acquires its own water supply.

14. Unless the properties are acquired, few of the hundreds of thousands, perhaps millions, of home seekers who will come to California within the next few years after the completion of the Panama Canal, will settle in this city. Being unable to get water for domestic purposes, they will seek homes elsewhere.

15. Upon the completion of the completion of the Hetch Hetchy system seven or eight years hence, the city, with its anticipated growth, will need the additional supply from that source, and the net income thereafter derived from the combined systems, including the proceeds of sale of electric power developed at Hetch Hetchy, will be sufficient to pay interest on all bonds issued to acquire both plants, and to provide a sinking fund to redeem the bonds at maturity.

16. During the construction of the Hetch Hetchy system, assuming that construction will take eight years, the interest on the bonds required to construct the same during the period of construction will exceed nine million dollars. In addition to the interest two millions must be paid to redeem maturing bonds, commencing with the year 1920. Every dollar paid for interest and on account of principal before completion of the work must be paid by taxation if the city does not acquire the properties of the Spring Valley Water Company in the meantime. If, however, the city buys the properties of the Spring Valley Water Company, the surplus over and above the amount required to pay interest on the bonds issued to make the purchase from the company can be used to pay, or assist in paying of interest on the Hetch Hetchy bonds.

17. The operation of a municipal plant separate and distinct from that of the Spring Valley Water Company's will necessitate an expensive duplication of a distributing system by the city, rendering it necessary to tear up streets and dig trenches in the business and residential districts, thereby damaging the pavements, interfering with traffic, and causing injury to business, persons and property.

18. The acquisition of the distributing system within the city and the impounding reservoirs on the peninsula, and the rights-of-way for conduit lines owned by the Spring Valley Water Company, will, in the judgment of the City Engineer and other competent authorities, save the city, in the ultimate cost of the Hetch Hetchy system, at least \$20,000,000.

19. As practically all of the available reservoir sites on the peninsula and those in the city are owned by the Spring Valley Water Company, unless the city buys from that company it will be impossible, without the expenditure of a vast amount of money, to secure or construct reservoirs of adequate capacity or in suitable localities to hold the waters that will come from the Hetch Hetchy.

20. Upon the completion of the Hetch Hetchy system, unless these properties are acquired, San Francisco must compete with the Spring Valley Water Company in the business of selling water. Such competition will seriously affect the value of the city's bonds, will, on account of the divided business reduce the expected revenue of the city, and increase taxation, by reason of insufficient income to pay the interest on the bonds and to redeem the same.

21. All litigation between the city and the Spring Valley Water Company will cease, thereby saving the city directly a large sum of money and saving indirectly to the rate payers the expenses of litigation paid by the company, which are usually allowed by courts in fixing rates.

22. The increase in the assessed valuation of land in the districts benefited by the extension of the distributing system, will yield an additional tax income which, to a great extent, will help to pay interest upon the bonds.

23. In the event of the purchase by the city of the properties of the Spring Valley Water Company, approximately 1,000,000 of the moneys now impounded by reason of the pending injunction suits against the city will be returned to the rate payers.

24. With the Spring Valley Water Company's properties and the Hetch Hetchy system combined, San Francisco will own the best water system in the world, and one sufficient to meet the requirements of the metropolis of the Pacific Coast for all future time.

August 10th, 1914.

Respectfully submitted,
ADVISORY WATER COMMITTEE.
By MATT I. SULLIVAN, Chairman.

Exhibit "A."

July 27, 1914.

Mayor's Office, San Francisco.
Spring Valley Water Company,
San Francisco, California.
Gentlemen:

On the 15th day of June, 1914, a meeting was held at the office of the Mayor of the City and County of San Francisco, at which there were present a majority of the members of the Board of Supervisors of the City and County of San Francisco. At this meeting the undersigned Advisory Water Committee was requested to secure from the Spring Valley Water Company a statement as to whether or not it would accept an offer, if made by the City and County of San Francisco, to purchase certain of its properties hereinafter named for \$34,500,000, upon the terms and conditions hereinafter named.

"The properties hereinabove referred to and to be included in said offer of purchase are:

"(a) All franchises (other than corporate franchises), all licenses, privileges and easements connected with

the property purchased, or in connection with the Spring Valley Water Company's water business, and all service connections.

"(b) All supplies and materials on hand owned by the Spring Valley Water Company; all vehicles of every description, horses, tools, furniture and fixtures outside of the directors' and president's offices; all maps and records relating to the Water Company's plant and system to be purchased; all other similar equipment; and all other personal property appertaining to or incidental to the company's water business or used or held for use in connection with that business or the property taken, expressly excepting, however, cash and bills and accounts receivable.

"(c) All property included in and covered in that certain condemnation proceeding heretofore commenced by the City and County of San Francisco against the Spring Valley Water Company on December 31, 1913, and now pending in the Superior Court of the State of California, in and for the City and County of San Francisco, except that

"1st: As to a certain tract of land included in said condemnation proceedings and known as the Nussbaumer Tract, situate in Alameda County, the city under its offer, will take only such portion thereof as may be determined by City Engineer O'Shaughnessy to be necessary to protect the waters in the creek flowing through same.

"2nd: The Spring Valley Water Company is to retain title to the lands known as the Pleasanton Lands included in said condemnation proceedings and located north of County Road No. 2000 in Alameda County, with the exception of the said lands located north of said County Road 2000 the City and County of San Francisco is to secure title to the following.

"(a) A strip of land 200 feet in width, the center line of which is the line of the wells of the Spring Valley Water Company, known as the G line, said lines of wells being the wells connected with the pumping plant of the company on the tract immediately to the north of said County Road No. 2000. Said strip, of which the center line is the G line of wells, shall extend at each end 100 feet beyond the last well of the line; said strip, the center line of which is the N line of wells, shall extend from a point 100 feet northerly of the most northerly well of said line of wells southerly to said County Road No. 2000.

"(b) Two strips of land, one 100 feet wide and the other 50 feet wide, one extending approximately easterly and westerly across the entire width of the company's Pleasanton Lands north of County Road No. 2000, and the other extending approximately northerly and southerly across the entire width in that direction of the same lands. The exact location of these last mentioned two strips and the determination as to which shall be 100 feet wide and which shall be 50 feet wide, shall be made by City Engineer O'Shaughnessy. These two strips are to be located so as to avoid any buildings or other improvements, so far as the same can be done in the opinion of City Engineer O'Shaughnessy consistently with the interests of the city. The company

will have the right to remove any buildings or improvements not a part of its water plant which are located on said strips as finally located."

"3rd: The City and County of San Francisco is to have and shall be given the right to take water from the Pleasanton lands conveyed to it to the amount of, but not in excess of 15,000,000 gallons during any one day, the said right to take such water is to be the right without hindrance or conditions of any sort, and the Spring Valley Water Company, for and on behalf of itself, its successors and assigns, shall waive any and all rights to object to, or enjoin the taking of such water from said lands so conveyed to said City and County of San Francisco up to said 15,000,000 gallons during any one day, either upon the ground that the pumping from said wells up to said limit of 15,000,000 gallons daily on the lands so conveyed to the City and County of San Francisco lowers the subterranean water plane under the said lands retained by the Spring Valley Water Company, or drains the water from beneath the said retained lands, or upon any other ground whatsoever, whether specifically enumerated or otherwise. The right to take said water up to said amount of 15,000,000 gallons daily is to be a right and easement running in favor of the land purchased by the City and County of San Francisco and against the lands retained by the Spring Valley Water Company. The Spring Valley Water Company is to have the right to take water from the land retained by it for use on those lands, but not elsewhere or otherwise.

"The terms and conditions to be attached to said offer, if made, are:

"1st: The company shall convey to the City and County a good and sufficient title to the company's lands and the City and County shall assume the obligations of the company to supply water under the company's existing contracts, a list of which has been furnished by the company to the City and County. Subject to provisions of paragraph 7 hereof, the company's properties are to be conveyed to the City and County free and clear of the lien of any mortgage, deed of trust, attachment, judgment, execution, mechanic's lien, or any other lien, except the lien for taxes for the current year, created or suffered by the company or subject to which the company bought the property. This provision, however, does not apply to lands held under option or lease by the company, but, as to such last mentioned lands, the company is to convey to the City and County such title as the company has.

"The term 'good and sufficient title' herein shall be interpreted to mean such a title as is necessary to assure the City and County of the absolute right, in case of purchase, to take hold and use the lands purchased without interference or hindrance, but shall not be interpreted to mean a title free and clear of trivial defects and imperfections when in fact the company is the actual and exclusive owner of the property, or free and clear of rights or way or easements appearing of record which do not prevent the use of lands for water purposes. In case there are any lands as to which a good and sufficient title, as above defined, cannot be given by the

company, the value of such lands shall be deducted from the purchase price, such value to be determined by arbitration in case the same cannot be agreed upon between the City and County and the company. As to any such lands the company shall be allowed a reasonable time to procure title by legal proceedings or otherwise, and, when title is so procured, the land shall be taken over by the City and County at the amount by which the purchase price was reduced by reason of the absence of such title thereto. With reference to the right of way, the City and County is to take such title as the company has and is to perform all legal and binding covenants and conditions heretofore assumed by the company with reference to such rights of way.

"The company shall convey its real property to the City and County by grant, bargain and sale deed, subject to existing leases, rights of way, obligations of the company which are assumed by the City and County, and the lien for taxes for the current fiscal year. Nothin herein being intended to conflict with the prorating of taxes as hereinafter provided.

"2nd: Wherever, because of the retention of certain lands by the Spring Valley Water Company, or wherever, by reason of the fact that the city purchases only portions of the land held by the Spring Valley Water company, rights of way to either party are necessary over the lands of the other, such rights of way are to be given.

"3rd: Taxes on property purchased by the city are to be prorated as of date of conveyance. Lands taken over by the city which are subject to Twin Peaks Tunnel Assessment are to be taken subject to such assessment and the amount which the company has paid or shall pay on account of such assessment on the lands taken by the city shall be deemed a capital expenditure for which the company is to be reimbursed under the conditions of paragraph 4. Accounts receivable from customers and rents on property taken are to be prorated as of date of conveyance.

"4th: The City and County of San Francisco is to reimburse the company for capital expenditures other than investment in land, rights of way or water rights made since January 1, 1913, up to the date of the making of any offer by the City and County of San Francisco, and the acceptance thereof by the Spring Valley Water Company, with interest at the rate of six (6) per cent per annum. The Spring Valley Water Company has presented to the city a statement of its said capital expenditures showing the same to be \$595,000.00. It is understood that the city under this paragraph shall not be called upon to reimburse the Spring Valley Water Company for more than this amount together with interest thereon and that the correctness of this claim is to be passed upon by City Engineer O'Shaughnessy and a representative of the company; and in case they cannot agree by a third person to be chosen by them.

"5th: The City and County of San Francisco is to reimburse the Spring Valley Water Company for capital expenditures from and after the date of making any offer by the City and County of San Francisco and the ac-

ceptance thereof by the Spring Valley Water Company, with interest at the rate of six (6) per cent per annum; such capital expenditures, however, are to be made and incurred subject to the approval of the City Engineer, and all work involving capital expenditures shall be done subject to his approval.

"6th: Judgment is to be entered in the rate suits now pending in the District Court of the United States between the Spring Valley Water Company and the City and County of San Francisco in such a way as to provide that the company shall take but one-half of the moneys impounded therein and that the balance shall be returned to the rate-payers, and that any portion of such balance which cannot be so returned to the rate-payers shall be turned over to the City and County of San Francisco; it is at all times to be understood, however, that the provisions of this paragraph are wholly conditioned upon and in consideration of the consummation of the final purchase of the Spring Valley Water Company's properties upon the terms herein set forth.

"7th: The city is willing to agree that it will, in case any bondholder of the Spring Valley Water Company refuses to receive payment of his bond so as to enable the trustees under the deed of trust securing such bond, to make reconveyance and clear the property from the lien of said bond issue, take the property subject to such lien, and so far as it can do so without detriment to itself, retaining, however, such portion of the purchase price as is equal to the par value plus the interest accrued on said bond, the owner of which so refuses to accept payment. The city will pay to the trustee of the deed of trust, as a part of purchase price, the amount necessary to pay off at par, with accrued interest, those bonds whose owners are willing to accept such payment.

"8th: Acceptance of the offer if made by the City and County shall be consented to by stockholders of the Spring Valley Water Company holding of record at least two-thirds of its issued capital stock."

Pursuant to the authority vested in it, the Advisory Water Committee requests of the Spring Valley Water Company a statement as to whether or not it will accept the above offer if made to it by the Board of Supervisors of the City and County of San Francisco.

Respectfully,

(Signed)

JAMES ROLPH, JR.,
MATT I. SULLIVAN,
ALEXANDER T. VOGELSANG,
PERCY V. LONG,
THOMAS JENNINGS,

Advisory Water Committee.
M. M. O'SHAUGHNESSY,

City Engineer.

PERUVIAN INFORMATION BUREAU.

[Consul General William W. Handley, Callao, Jan. 20.]

An office has been recently opened at Callao, called "Oficina de Informacion Commercial" (Commercial Information Bureau), to furnish to American manufacturers and exporters commercial information that may assist in the introduction and sale of American goods. The head of the

new bureau has been connected for many years with the Callao customs department and appears to be well informed on Peruvian trade conditions.

A circular letter that the Commercial Information Bureau is sending to Peruvian merchants and American exporters may be summarized, in part, as follows: Up to date direct orders of American goods have been scanty, because American sellers have made little or no effort to make their products known and come in contact with importers in this country. Our office has been planned to bring together American sellers and Peruvian buyers by giving information on imports, duties, commercial regulations, trade-marks, etc. The dues of the association are \$2 per month.

[A copy of the circular letter may be obtained from the Bureau of Foreign and Domestic Commerce or its branch offices.]

OIL PAINT ON CEMENT.

There is some difficulty in making paint adhere to cement, but if the cement is first washed with 1 per cent sulphuric acid (one part concentrated acid to 100 of water), rinsed and allowed to dry thoroughly the paint will find the surface suitably prepared for adhesion. Or the cement may be covered with three coats of water glass (silicate of soda), one part to four of water, and then painted. A first coat of linseed oil varnish followed by the usual paint is effective.

EARLY USES OF COPPER.

Copper is not a metal of modern utilization. It was mined and manufactured in prehistoric times, when it was utilized as a material for the construction of utensils for domestic use and also for implements of war. It has been generally supposed that the use of copper preceded that of iron, but at present it is believed by students of the subject that iron was first subjected to human use. In many regions, however, where native copper appeared at the surface it is probable that it was worked before iron because of the comparative ease and simplicity of obtaining it, which involved no metallurgy. The Indians of the western United States were acquainted with copper. Many objects fashioned from it have been found in mounds. Indications of early working of the Lake Superior copper mines exist, while in Tennessee there are remains of prehistoric smelting plants. Copper was first mined in this country in Connecticut in 1709.

The charter amendment election Tuesday shows that the average citizen does not want to burden the city with any more taxes than is necessary. Some of the amendments may have had merit and deserved to have been passed but there were 36 of them and some of them were insufferably long and the average man had no time to determine whether or not they were right so he voted against them. While the vote was light it shows that the people exercised their own judgment in the matter whether it was good bad or indifferent. And the result was that no particular changes in the charter were made except those that were absolutely necessary.

ADVANCE NEWS

Classified according to Character of Work

APARTMENT HOUSES

SAN FRANCISCO—Apartment house, 4 story and base, brick and steel, \$25,000. Architect, Herman Barth, 12 Geary street, S. F. Owner, O. C. Holt, 110 Jessie street, S. F. The building will be located on the west side of Hyde street south of Ellis, having a frontage of 25 feet and a depth of 93 feet. Interior has been arranged for a number of two, three and four room suites, all of which will have private baths and wall beds. Interior finish will be of pine with some elm panels. Hardwood floors will be used in the living and dining rooms. Plans provide for steam heat, a hot water system and elevator service. Bath rooms will have tile wainscot and composition floors. Marble wainscot will be used in the entrance. The exterior of the building will be faced with pressed brick and terra cotta. Plans are complete and in the hands of the owner who will do the work by Day Labor. Materials are now being purchased.

OAKLAND, CAL.—Apartment house, 2 story and base, frame, \$10,000. Architects, Hutchinson & McLean, 470 13th street, Oakland. Owner's name withheld. The building will be erected on 41st street at the corner of Broadway, and has been designed to contain eight apartments of three rooms each. Interior finish will be of pine and redwood with some hardwood floors. All apartments will have wall beds and private bath rooms. Bath rooms will have tile wainscot and composition floors. Plans provide for steam heat and hot water supply. Exterior of the building will be covered with cement plaster on metal lath. Plans are waiting final action of the owner. Further mention will be made of this work.

SAN FRANCISCO—Apartment house, 3 story and base, frame, \$17,500. Architects, Rousseau & Rousseau, French Bank Bldg., S. F. Owners, Gerard Investment Company, 110 Sutter street. The building will be erected at the northwest corner of Pine and Mason streets, covering an area of 23 by 52½ feet. There will be two stores on the first floor and four apartments of three and four rooms on the upper two floors. Interior finish will be of pine and redwood with hardwood floors in the living rooms. Each apartment will have wall beds and private baths. Bath rooms will be finished in tile. Plans provide for steam heat and a hot water system. Patent store fronts will be used. Exterior of the building will be faced with cement plaster on metal lath. Plans are complete and the work will be done by Day Labor.

BANKS

OAKLAND, CAL.—Bank alteration. Class A construction, \$20,000. Architect, Walter J. Mathews, 927 Broadway, Oakland. Owners, Union Savings Bank. This work will consist of

changes in the banking rooms on the first floor and in the basement. Plans have been completed and figures are now being taken. Sub-bids only are being considered.

BONDS.

STOCKTON, SAN JOAQUIN CO., CAL.—The First National Bank of Sonora and the Jamestown National Bank have purchased a sufficient amount of bonds to insure the completion of the State Highway lateral from Knights Ferry to Sonora, according to statements made by a local newspaper.

All told, \$100,000 has been raised for grading of the State Highway from the Stanislaus County line to Sonora, and the money was entirely raised by the purchase of bonds as follows: First National Bank, \$57,500, Jamestown National Bank, \$27,500, Tuolumne County, \$15,000.

MONTEREY, MONTEREY CO., CAL.—The people of the city of Monterey will vote upon a question of issuing and selling bonds of \$60,000 next month.

The proceeds of the sale, should the election carry, will be used in the improvement of streets. The work will include the opening of Perry and Scott streets, widening Jefferson, Pacific and Figueroa streets and the extension of Hoffman and Prescott avenues in New Monterey; and establishment of city parks and the improvement of the fire department. The various propositions have been divided as follows: Municipal parks, \$10,000; fire department, \$20,000; street work, \$10,000.

SACRAMENTO, CAL.—A system of State-owned and operated railway lines along the State Highways is now being built, under an \$18,000,000 bond issue, is urged by a resolution submitted in the Assembly by Shartel. The resolution asked that the State Highway Commission immediately investigate the cost to the State of acquiring the existing intercounty electric railway system for connecting the State system, together with the cost of running the lines to various county seats. This project is similar to that voted by the people in 1910, for the State Highways.

REDONDO, LOS ANGELES CO., CAL.—The election held in Redondo for the voting of the proposition of issuing bonds in the sum of \$121,000 carried by a large majority.

The vote was 759 in favor and 248 against the issue.

The proceeds of the sale of the bonds will be used in the construction of a municipal wharf.

MIAMI, ARIZ.—While not officially announced, it is understood that the proposition to bond the Live Oak School No. 26, in the amount of \$75,000, has carried.

The proceeds of the sale of the bonds will be used in the construction

of a school building for the district.

DEER LODGE, MONT.—A petition has been filed with the County Clerk requesting that the question of a bond issue for the purpose of building a new high school building be submitted at the time of the regular school election on April 3rd. The petition calls for an issue of \$50,000 and will run 20 years and bear 5 per cent interest.

TACOMA, WASH.—Reduced from \$4,000,000 to \$1,500,000 bonds, on motion of Davis, the Capitol Commission bill passed the House. Debts of almost \$1,200,000 will be met and the remainder used for completing the Temple of Justice and purchasing additional land for the prospective capitol group.

LOS ANGELES, CAL.—The Board of Supervisors has accepted the proposal of R. H. Moulton for bonds of the Los Angeles City High School District of the aggregate par value of \$6,000.

LANCASTER, LOS ANGELES CO., CAL.—At a bond election recently held bonds in the sum of \$5,000 were voted which will insure the completion of the new \$20,000 grammar school building.

POCATELLO, IDAHO.—Bonds of \$70,000 have been voted for the remodeling of a high school building recently destroyed by fire.

ALBUQUERQUE, NEW MEXICO.—A school election will be held on April 6th for the purpose of electing five directors and the question of issuing bonds of \$18,000 for the erection of a high school building.

WILLOWBROOK SCHOOL DISTRICT, LOS ANGELES CO., CAL.—An election will be held on April 2nd to vote bonds of \$5,000 for the erection of a new school building for Willowbrook School District.

EL CENTRO, IMPERIAL CO., AL.—Notice has been given that the Heber School District, Imperial County, will hold an election on April 2nd to vote bonds in the sum of \$65,000 for making alterations and additions to the present school buildings.

Further information in regard to the election may be had from E. A. Dingman, a member of the Board of Trustees.

PETALUMA, SONOMA CO., CAL.—Two bids received from N. W. Halsey and E. H. Rollins & Sons of San Francisco for the purchase of the Washington street bonds have been rejected by the City Council.

HANFORD, KINGS CO., CAL.—The Kings County Good Roads Association is engaged in an active campaign for the coming bond election carrying \$672,500, and also the plan to boost the Valley-to-Coast Highway bill now pending in the Legislature. Indorsements have been secured from all the commercial and civic organizations in Kings County as well as in Fresno County.

YAKIMA, WASH.—The State of Washington has purchased the \$12,000

worth of 5 per cent bonds of School District No. 94. The proceeds of the sale will be used in the construction of a school building for the district.

MILTON, ORE.—A special bond election has been called for March 30th to vote on the proposition of bonding School District No. 31 for \$18,000. The proceeds of the sale will be used to add four rooms with a basement to the Freewater school building and to build a new four-room brick or concrete structure in the south end of the district.

CUCAMONGA, SAN BERNARDINO CO., CAL.—At a mass meeting held by the Central School District it was decided to call a special bond election to vote \$20,000 with which to build a new school.

The election will probably be called within thirty days.

SATICOY, VENTURA CO., CAL.—A special election to vote bonds in the sum of \$18,000 will be called at once by the Board of School Trustees. The funds will be to rebuild the school building which was recently destroyed by fire and for the erection of a new building in the lower part of the town.

LONG BEACH, LOS ANGELES CO., CAL.—A mass meeting has been called to discuss the proposition of holding a special election to vote bonds in the sum of \$55,000 for the construction of a municipal general and emergency hospital.

NILAND, IMPERIAL CO., CAL.—The city of Niland has voted bonds in the sum of \$15,000 for the erection of a school building.

VISALIA, TULARE CO., CAL.—Bonds in the sum of \$4,000 for the erection of a school building have been voted in the Highway School District west of Visalia.

CHINO, SAN BERNARDINO CO., CAL.—The Board of Trustees has called a special election to vote bonds in the sum of \$50,000 for the construction of a municipal sewer system in accordance with plans and specifications prepared by Engineers Olmsted & Gillilen, Hollingsworth Bldg., Los Angeles.

An election will also be called by the trustees for the purpose of voting bonds in the sum of \$50,000 to be used in the construction of roads to connect with the good roads system being constructed by the county.

SAN FERNANDO, LOS ANGELES CO., CAL.—The special election held to vote bonds of \$65,000 for the purchase of the present water system and making extensions, failed to carry. It is thought another election will be held.

VISALIA, TULARE CO., CAL.—The Board of Supervisors of Tulare County has authorized the purchase of \$475,000 of State Highway bonds to finance the completion of the State Highway work in this county.

VENTURA, VENTURA CO., CAL.—The Board of Supervisors has authorized the purchase of \$250,000 of State Highway bonds to finance the completion of the State Highway through this county.

BISHOP, INYO CO., CAL.—The Board of Supervisors has authorized the purchase of \$100,000 of State Highway bonds to finance the completion of the State Highway throughout the county.

SAN DIEGO, SAN DIEGO CO., CAL.—The Board of Supervisors has au-

thorized the purchase of \$250,000 of State Highway bonds to finance the to the Imperial County line.

VISALIA, TULARE CO., CAL.—By accepting the bid of Byrn & McDonnell of \$451,843.75 for the State Highway bonds assigned to Tulare County the Board of Supervisors took what is believed to be the last necessary step in the matter of the State Highway bond purchase.

LIVERMORE, ALAMEDA CO., CAL.—By a vote of 430 to 180, the proposition to bond Livermore for \$50,000 for street paving purposes was carried. As the Pacific Gas and Electric Company is laying mains in the district to be paved, the work will not be ordered immediately.

SANTA PAULA, VENTURA CO., CAL.—At a recent meeting held by those interested in school affairs, a resolution was adopted favoring the calling of a bond election for \$18,000 for the purpose of building two new school houses.

W. H. Duval, Mrs. John Nebby and J. M. Sharp have been appointed to act as the Board of Trustees in the matter.

DOUGLAS, ARIZ.—At a recent meeting of the Board of Trustee for city schools, the matter of selling school bonds in the sum of \$90,000, and which were voted last year, was discussed, and it is expected that as a result the bonds will be placed on the market in the near future.

The bonds when sold will be used in the construction of a new school building.

EL PASO, TEX.—The City Council has passed an ordinance calling for a special election to vote bonds in the tion of school buildings and improvements.

BRIDGES, DAMS AND HARBOR WORK.

SAN FRANCISCO — Bridge approaches, reinforced concrete. Cost not stated. Engineer, City Engineer, Temporary City Hall, S. F. Owners, City and County of San Francisco. The Board of Public Works will shortly call for bids on the construction of the approaches to the Third street bridge. This work will put the bridge in shape to carry heavier traffic.

FORT MASON, CAL.—Driving creosoted piles. Cost not stated. Engineer, Constructing Quartermaster's Office, Fort Mason. Owners, United States Government. Plans are complete and figures are being taken. Bids will be opened on March 29th. An official proposal appears in another column of this issue.

NAPA, NAPA CO., CAL. — Stone highway bridge. Cost not stated. Engineer, County Surveyor, Napa. Owners, Napa County. Plans have been completed for a stone highway bridge to be erected over Huichica Creek in Road District No. 13. Bids will be opened on April 14th. Plans and specifications can be secured from the County Surveyor.

SAN RAFAEL, MARIN CO., CAL.—Bridges, 2, reinforced concrete. Cost not stated. Engineer, County Surveyor, San Rafael. Owners, Marin County. These two bridges will be erected on the road from San Rafael to Olema. Plans can be secured from the County Clerk at San Rafael. Bids are now being taken and will be open-

ed by the Board of Supervisors on April 6th.

PLACERVILLE, EL DORADO CO., CAL. — Furnishing reinforcing steel and cement. Cost not stated. Engineer, City Engineer, Placerville. Owners, City of Placerville. City Clerk C. H. Weatherwax has issued the following call for bids: 54 rods, 26 feet long, 1 inch in diameter; 54 rods, 20 feet long, ½ inch in diameter; 300 feet, any lengths, ½ inch in diameter. All of twisted steel for bridge work. Also eleven tons of cement, good quality. Bids must be in not later than March 22nd.

RED BLUFF, TEHAMA CO., CAL.—Bridge. Cost not stated. Engineer, County Surveyor Lunning, Red Bluff. Owners, Tehama County. County Surveyor Lunning appeared before the Board of Supervisors in reference to bridging the sand slough with suggestions as to what sort of a bridge should be constructed. Lunning favors steel cylinders filled with concrete for the structure, with a floor practically as used in the construction of highways. Lunning was instructed by the Board to prepare plans for such a bridge and an estimate of the cost. Plans will be prepared for the three sloughs, making a bridge of about 3,300 feet. All but about 600 feet of this will be required on the main slough. The cost will probably reach \$120,000.

COLUSA, COLUSA CO., CAL.—Bridge, reinforced concrete. Cost not stated. Engineer, County Surveyor, Colusa. Owners, Colusa County. Plans have been completed and figures are now being taken for constructing a reinforced concrete bridge across the slough between Maxwell and Colusa. The county will furnish the cement. Plans can be secured from the County Surveyor at Colusa. Bids will be opened on April 6th.

SEATTLE, WASH.—Sea wall, reinforced concrete, \$200,000. Engineer, City Engineer A. H. Dimmock, Seattle. Owners, City of Seattle. Plans have been completed by the City Engineering Department for the construction of the concrete sea wall along the western side of Railroad avenue, between Yesler Way and Madison street. The structure will be 1,258 feet long and average a height of about 20 feet. It will be 2½ feet wide at the top and 12 feet wide at the bottom. The work in this contract will also call for the filling of the entire street between these points, a distance of 60 feet and paving same at a total cost of about \$200,000. Bids on this work will soon be called for. A railing will extend the full length of the improvement, composed of 2½ inch galvanized iron and No. 8 wire, 3-inch mesh.

Contracts Awarded.

PORTLAND, ORE. — Timber dock, \$17,575. Engineer, G. B. Hegardt, Worcester Bldg., Portland. Owners, City of Portland. Contractors, Brayton Engineering Co., Pittcock Bldg., Portland. Contract price, \$17,575.

COURT HOUSES.

RICHMOND, CONTRA COSTA CO., CAL.—City Hall, 2 story and base, reinforced concrete and brick, \$17,500. Architect, James T. Narbett, Berry Bldg., Richmond. Owner, George L. Wall. The building will be erected on

the Wall property and will be leased to the city. The design is in the classic style. The building will be practically fireproof. There will be offices for all of the city officials and a large council room. Interior finish will be of pine with some hardwood, marble and tile wainscot. There will be steam heat and an oil burning system. Plans provide for special fireproof vaults. Exterior of the building will be faced with cement plaster. Plans are complete and the work will be done by Day Labor.

GRANTS PASS, ORE.—Court house, 2 story and base, reinforced concrete, \$100,000. Architect, E. E. McClaren, Lumber Exchange Bldg., Portland. Owners, County of Josephine. The building will be a fireproof structure, covering an area of 137 by 70 feet, and has been designed in the classic style. The first and main floor will contain a number of county offices together with the county court chambers. Each office will have vault equipment. The second floor will be arranged for offices for the various county officials and circuit court chambers. The basement will contain the heating apparatus and county jail. Interior will be finished in pine and hardwood with some metal trim. Plans provide for steam heat, a hot water system and vacuum cleaning system. Considerable ornamental plaster, marble and tile wainscot will be used. Exterior of the building will be faced with pressed brick and ornamental terra cotta. Plans are complete and figures are being taken. Bids will close on April 1st. Separate figures are being taken for the heating, plumbing and plaster work.

FACTORIES AND WAREHOUSES.

SAN FRANCISCO—Factory, 2 story and base, frame, \$10,000. Architect Charles C. Frye, 20 Montgomery street, S. F. Owner's name withheld. The building will be erected in the Potrero District and will cover an area of 50 by 100 feet. There will be a cement floor. No interior finish is specified. The exterior of the building will be covered with rustic. Corrugated iron roof will be used. Included in the work is a fifty horse-power, low-pressure steam boiler. Plans are being prepared.

OAKLAND, CAL.—Warehouse, 1 story, steel and reinforced concrete. Cost not stated. Engineer, Harbor Engineer Robert Henningsen, City Hall, Oakland. Owners, City of Oakland. The building will be erected on the quay wall between Grove and Jefferson streets, covering an area of 90 by 400 feet. There will be a complete steel frame with roof and exterior walls of corrugated asbestos sheets. No interior trim will be used. Metal window sash and frames are specified. Plans for the foundation work are complete and bids are being taken. Figures will close on March 26th. Plans for the structural steel and other portions of the work will be out within a week or ten days. Further mention will be made of the work.

OAKLAND, CAL.—Warehouse and factory, 1 story and base, reinforced concrete, \$200,000. Architect, Louis P. Hobart, Crocker Bldg., S. F. Owners, Shredded Wheat Biscuit Company. The building will be erected on Poplar

street, covering an area of 200 by 100 feet. Construction will be fireproof throughout, with reinforced concrete walls, floors and roof slabs. Interior will be finished in pine. A large amount of special machinery will be installed which is not included in the general contract. Exterior of the building will be faced with cement plaster. There will be a gravity conveying system and two elevators, steam heat and a hot water supply. Metal window sash and frames are specified. Plans are complete and now out for figures. Bids are being taken both as a whole and segregated.

SACRAMENTO, CAL.—Oil storage tanks and warehouse, steel and frame construction, \$15,000. Engineer's name not given. Owners, Shell Oil Co. of California, S. F. This work will consist of the construction of a pumping station, oil storage tanks and a warehouse. The buildings will be erected in the Thomas Otis Tract on the Upper Sacramento Road. Plans are complete and the work will be done by Day Labor.

FIRE HOUSES AND JAILS.

ALBANY, ALAMEDA CO., CAL.—Fire house, 2 story and base, frame, \$1,000. Architect, not given. Owner, Town of Albany. The building will be erected at the corner of Washington and San Pablo streets and has been designed for two pieces of apparatus on the first floor and living quarters for the men on the second floor. Interior will be finished in pine and redwood. There will be a central heating system. Exterior of the building will be faced with cement plaster on metal lath. Plans are complete and figures are now being taken. Plans and specifications can be secured from the City Clerk.

FLATS.

SAN FRANCISCO—Flats, 3 story and base, frame, \$5,975. Architect, none. Owners, Andrew and Clorinda Cuneo, 1723 Stockton street, S. F. The building will be erected on the south side of Union street east of Larkin, and has been designed to contain three modern flats of five and six rooms each. The basement will be used for a garage. Interior finish will be of pine and redwood with elm panels. Hardwood floors will be used in the living and dining rooms. There will be open fire places and tile or brick mantels. Tile wainscot will be used in bath rooms and kitchens. Entrance vestibule will have marble wainscot. Mosaic steps and risers are specified. Exterior of the building will be faced with rustic and cement plaster on metal lath. Plans are complete and in the hands of the owners who will do the work by Day Labor. Materials are now being purchased.

SAN FRANCISCO—Flats, 2 story and base, frame, \$8,000. Architect, W. G. Hind, 46 Kearny street, S. F. Owner's name withheld. The building will be erected on Lombard street near Jones and has been designed for two large residential flats. Interior will be finished in pine and hardwood. Hardwood floors will be used in the principal rooms. There will be open fire places with tile or brick mantels, furnace heat and hot water system. Bath rooms will be finished in tile. Exterior

of the building will be covered with cement plaster on metal lath. Plans are complete and figures are now being taken.

OAKLAND, CAL.—Flats, 2 story and base, frame, \$4,000. Architect, W. A. Savage, 5920 California street, S. F. Owner, Rudolph Orth. The building will be erected on the south side of Yosemite street near Piedmont avenue, and has been designed to contain four small flats of four rooms each. Interior will be finished in pine with some elm panels. Hardwood floors will be used in the living and dining rooms. There will be open fire places and tile mantels. Bath rooms will have tile wainscot and composition floors. Wall beds will be used. Exterior of the building will be covered with cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor. Materials are now being purchased.

GARAGES

SAN FRANCISCO—Garage, 2 story and base, brick and steel, \$25,000. Architect, T. Patterson Ross, 310 California street, S. F. Owners, Shields Estate Co. The building will be erected on the south side of Bush street west of Montgomery and will cover an area of 70 by 137½ feet. There will be two stores besides the garage on the first floor. The garage portion of the building has been designed for storage space, machine shop and repair room, and will occupy a portion of the first and all of the second floor. There will be a steel frame and steel roof trusses. Interior will be finished in pine. Special gasoline storage tanks are specified. Metal window sash and frames will be used. Exterior of the building will be covered with pressed brick trimmed with terra cotta. Plans are complete and figures have been taken. The bids are now under advisement.

Contracts Awarded.

OAKLAND, CAL.—Garage, 1 story and base, brick, \$3,780. Architect, none. Owners, City of Oakland. Contractor, A. P. Spence. Contract price, \$3,780.

GOVERNMENT WORK & SUPPLIES.

Pipe for Pumping Plant.

The following bids were opened at the office of the U. S. Reclamation Service, Sunnyside, Wash., for furnishing 20-inch and 18-inch w. s. pipe for Snipes Mountain pumping plant:

- Bid 1. Valley Construction Co., North Yakima, Wash.
2. Byrne-Turner Co., Bellingham, Wash.
3. George P. Wright, Tacoma, Wash.
4. Pacific Coast Pipe Co., Seattle, Wash.
5. Washington Pipe & Foundry Co., Tacoma, Wash.
6. Washington Pipe & Foundry Co., alternate proposition.
7. Pacific Tank & Pipe Co., Portland, Ore.
8. Portland Wood Pipe Co., Portland, Ore.
9. Portland Wood Pipe Co., alternate proposition.
10. Portland Wood Pipe Co., alternate proposition.
11. Red Wood Mfg. Co., San Francisco, Cal.

Schedule No. 1.

- Item 1. 28 wood stave pipes, com-

plete in place, 4,315 feet, except bands and painting—Bid 1, 58c; 3, 55c; 5, 41.5c; 7, 47c; 11, 78.9c.

Item 2. $\frac{3}{8}$ -inch steel bands with shoes for 20-inch pipe, 13,250 bands—Bid 1, 23c; 3, 20c; 5, 17.5c; 7, 15.2c; 11, 14.5c.

Item 3. 18-inch wood stave pipe, complete, except bands, 1,100 feet—Bid 1, 51c; 3, 50c; 5, 40c; 7, 36.5c; 11, 71.5c.

Item 4. $\frac{3}{8}$ -inch steel bands with shoes, etc., for 18-inch pipe, 1,531 bands—Bid 1, 21c; 3, 19c; 5, 19c; 7, 14.6c; 11, 13.8c.

Item 5. Saddles or tees connecting 4-inch pipe—Bid 1, \$15.50; 3, \$25; 5, \$15; 7, \$12; 11, \$6.

Item 6. Saddles or tees connecting 6-inch wood stave pipe—Bid 1, \$17.50; 3, \$50; 5, \$15; 7, \$15; 11, \$6.

Item 7. Painting 321 squares—Bid 1, \$1; 3, 65c; 5, 60c; 7, \$1.35.

Total schedule 1—Bid 1, \$6,835.21; 3, 6,197.79; 5, \$5,107.97; 7, \$5,166.43; 11, \$6,352.46.

Schedule 1-A.

Item 1-A. 1,885 feet 20-inch pipe for 50-foot head—Bid 1, 73c; 3, 77c; 7, 64.4c; 11, 78.9c.

Item 2-A. Do, for 75-foot head, 690 feet—Bid 1, 76c; 3, 80c; 7, 70.9c; 11, 91.2c.

Item 3-A. 510 feet do, for 100-foot head—Bid 1, 86c; 3, 83c; 7, 76.6c; 11, 93.7c.

Item 4-A. Do, for 125-foot head, 440 feet—Bid 1, 91c; 3, 97c; 7, 85c; 11, \$1.015.

Item 5-A. Do, for 150-foot head, 590 feet—Bid 1, 96c; 3, \$1.02; 7, 92.2c; 11, \$1.75.

Item 6-A. Do, for 175-foot head, 220 feet—Bid 1, \$1.06; 3, \$1.12; 7, 96.7c; 11, \$1.122.

Item 7-A. 18-inch pipe for 50-foot head, 1,100 feet—Bid 1, 66c; 3, 72c; 7, 56.5c; 11, 73.3c.

Item 8-A. Saddles or tees connecting 4-inch w. s. pipe to 20-inch wood stave pipe, 3 saddles—Bid 1, \$15.50; 3, \$25; 7, \$12; 11, \$25.

Total schedule 1-A—Bid 1, \$4,320.35; 3, \$4,598.35; 7, \$3,893.59; 11, \$4,823.90.

Schedule 1-B.

Items and quantities under this schedule same as schedule 1-A.

Item 1-B—Bid 1, 58c; 2, 47c; 4, 50.75c; 5, 57.25c; 6, 50c; 7, 47.7c; 8, 72.5c; 9, 56c; 10, 50.5c; 11, 54% c.

Item 2-B—Bid 1, 61c; 2, 55.5c; 4, 58.5c; 5, 64.25c; 6, 56.5c; 7, 53.4c; 8, 78.5c; 9, 63c; 10, 57.8c; 11, 66% c.

Item 3-B—Bid 1, 71c; 2, 70c; 4, 66c; 5, 72c; 6, total, \$367.20; 7, 58.5c; 8, 84.5c; 9, 70c; 10, 63.9c; 11, 69% c.

Item 4-B—Bid 1, 76c; 2, 86c; 4, 78c; 5, 79.25c; 6, total, \$348.70; 7, 65.9c; 8, 91.5c; 9, 77c; 10, 72c; 11, 77% c.

Item 5-B—Bid 1, 82c; 2, 74c; 4, 82.5c; 5, 87c; 7, 72.2c; 8, 79.5c; 9, 83.3c; 10, 79c; 11, 83% c.

Item 6-B—Bid 1, 91c; 2, 98c; 4, 89.5c; 5, 96.5c; 6, total, \$212.30; 7, 76.2c; 8, \$1.03; 9, 89.2c; 10, \$85.7c; 11, 87% c.

Item 7-B—Bid 1, 51c; 2, 42.5c; 4, 42.5c; 5, 52.25c; 6, 45c; 7, 41.4c; 8, 65c; 9, 44c; 10, 44c; 11, 49c.

Item 8-B—Bid 1, \$15; 2, \$6; 4, \$7.25; 5, \$12.75; 6, total, \$38.25; 7, \$12; 8, \$13.35; 9, \$13.35; 11, \$22.

Item 9-B—Bid 1, \$13.50; 2, \$6; 4, \$7; 5, \$12.75; 6, total, \$25.50; 7, \$15; 8, \$14; 9, \$14; 11, \$18.

Total schedule 1-B—Bid 2, \$3,253.20; 4, \$3,197.29; 5, \$3,585.09; 6, \$3,316.20; 7, \$2,956.50; 8, \$4,307.23; 9, \$3,409.20; 11, \$3,492.41.

Berkeley, Cal., Lighting Fixtures.

The contract for installing lighting fixtures in the U. S. post office at Berkeley, Cal., has been awarded to Ickelheimer Bros. Co., San Francisco, Cal., at \$2,000; time to complete August 15.

Electrical Apparatus.

The following bids were opened at the office of the U. S. Reclamation Service, Los Angeles, Cal., for furnishing electrical apparatus for Elephant-Butte dam:

General Electric Co., Schenectady, N. Y., item 1, \$1,140, at Ft. Wayne, Ind., 30 days; , \$560, Schenectady, 30 days, accepted.

Allis-Chalmers Mfg. Co., Los Angeles, Cal., \$1,700, at Milwaukee, 45 days; 2, \$645, at Milwaukee, 45 days.

Westinghouse Electric and Mfg. Co., Los Angeles, Cal., item 1, \$1,840, at East Pittsburgh; 2, \$650, at East Pittsburgh, 20 days.

Bronze Slide Gates.

The following bids were opened by the U. S. Reclamation Service, Los Angeles, Cal., for furnishing bronze slide gates, Salt River project, Ariz.:

Pelton Water Wheel Co., San Francisco, Cal., \$6,660; at San Francisco April 18; accepted.

Llewellyn Iron Works, Los Angeles, Cal., \$6,950; Los Angeles, March 30.

Fulton Engine Works, San Francisco, Cal., \$6,957; Los Angeles, March 7.

Joshua Hendy Iron Works, San Francisco, Cal., \$8,212; Sunnyside, Cal., March 18.

Los Angeles, Cal., Pumping Unit.

The following bids were opened at the office of the U. S. Reclamation Service, Los Angeles, Cal., for direct-connected pumping unit for Minidoka project:

Smith-Boothe-Usher Los Angeles, Cal., \$896; at Battle Creek, Mich., 25 days; accepted.

Krogh Mfg. Co., San Francisco, Cal., \$1,035; San Francisco, Cal.; 30 days.

Henry R. Worthington, Harrison, N. J., \$1,096; Harrison, N. J., 30 days.

The Pelton Water Wheel Co., San Francisco, Cal., \$1,100; San Francisco, Cal., 30 days.

Fairbanks-Morse Co., Los Angeles, Cal., \$1,100; East Berkeley, Cal., 20 days.

Byron-Jackson Iron Works, Los Angeles, Cal., \$1,151; West Berkeley, Cal., 20 days.

C. F. Braun & Co., San Francisco, Cal., \$1,129; Newburg, N. Y., 40 days.

Hill-Tripp Pump Co., Anderson, Ind., \$1,200; Anderson, Ind., 50 days.

Harron, Rickard & McCone, Los Angeles, Cal., \$1,237.15; Baldwinville, N. Y., 28 days.

Manistee Iron Works Co., Manistee, Mich., \$1,500; Manistee, Mich., 40 days.

De Laval Steam Turbine Co., San Francisco, Cal., \$1,830; Trenton, N. J., 60 days.

Reclamation Service, Pressure Pipe.

Abstract of proposals for pressure pipe and penstock manifolds and roof truss and trolley beam, Yakima project, U. S. Reclamation Service, opened at Los Angeles, Cal.:

Fulton Engine Works, Los Angeles, Cal., item 1, \$449; delivery Los Angeles, 21 days; weight, 5,700 lbs; accept-

ed; item 2, \$99; delivery Los Angeles, 15 days; weight, 1,700 lbs.

Lacy Mfg. Co., Los Angeles, Cal., item 1, \$465; delivery Los Angeles, 30 days; weight, 6,700 lbs.

Llewellyn Iron Works, Los Angeles, Cal., item 1, \$570; Los Angeles, 14 days; weight 6,800 lbs; item 2, \$90; Los Angeles, 14 days; weight, 1,800 lbs.

Seattle Construction and Dry Dock Co., Seattle, Wash., item 1, \$587; delivery Seattle, Wash., 45 days; weight, 6,500 lbs; item 2, \$85; delivery Seattle, Wash., 6 days; weight, 1,600 lbs.

The Pelton Water Wheel Co., San Francisco, Cal., item 1, \$815; delivery South San Francisco, 40 days; weight 8,000 lbs.

Northwest Steel Co., Portland, Ore., item 2, \$74; delivery Portland, Ore., 5 days; weight, 1,700 lbs; accepted.

Western Pipe and Steel Co. of California, Los Angeles, Cal., item 1, \$471; delivery, Richmond, Cal., 20 days; weight, 6,970 lbs; item 2, \$115; delivery Richmond, Cal., 20 days; weight, 1,725 lbs.

Building, Fort Winfield Scott.

The following awards have been made for the construction of commanding officer's quarters at Fort Winfield Scott, Cal: J. Collins, San Francisco, Cal., construction, \$12,675; less for certain items, \$3,350; total as awarded, \$9,125. Wm. P. Scott, San Francisco, Cal., plumbing, \$1,139; less for alternate 1, item 16, \$185; total, \$954; heating, \$620; less for item 17, \$10; total \$610. H. L. Peterson, San Francisco, Cal., electric wiring, \$334. E. A. Mantell, San Francisco, Cal., electric fixtures, \$190. Make of plumbing fixtures not specified.

Excavation and Concrete.

The Reclamation Service is asking for proposals for construction involving about 8,000 yards of canal excavation and 1,350 yards of reinforced concrete. The work is located near Payson City, Utah, on the San Pedro, Los Angeles and Salt Lake R. R., and the Denver and Rio Grande R. R. Bids will be opened at the office of the U. S. Reclamation Service in Provo, Utah, on April 8.

Hydraulic Apparatus.

The following bids were received at the office of the U. S. Reclamation Service, Los Angeles, Cal., for hydraulic apparatus, Rio Grande project:

Trump Mfg. Co., Springfield, Ohio, \$1,990; at Springfield, 80 days; accepted.

S. Morgan Smith, York, Pa., \$2,130; at York, 60 days.

Pelton Water Wheel Co., San Francisco, Cal., \$2,725; at San Francisco, 60 days.

HALLS AND SOCIETY BUILDINGS.

HAYWARD, ALAMEDA CO., CAL.—Lodge hall alterations, frame construction, \$4,000. Architect, C. Schwartz, Maple Court, Hayward.

Owners, Eden Parlor Native Sons. The work will consist of alterations to the entrance and front portion of the Native Sons' Hall. The work will require some ornamental plaster, tile wainscot and carpentry work. Plans are complete and awaiting the action of the committee.

WASHINGTON, YOLO CO., CAL.—City hall repairs, frame construction. Cost not stated. Architect's name not given. Owners, Town of Washington. Plans are now out for figures for minor repairs to the city hall in the town of Washington. The exact nature of this work is not known. Further particulars together with plans and specifications can be had from the Town Clerk. Bids will be opened on April 5th at 10 a. m.

KLAMATH FALLS, ORE. — Lodge hall, 2 story and base, brick and reinforced concrete, \$50,000. Architects, Houghtaling & Dugan, Henry Bldg., Portland. Owners, Klamath Falls Elks' Hall Association. The building will cover an area of 80 by 120 feet and has been designed in the classic style. The main floor will contain a large lounging room, billiard hall, reading and writing rooms, ladies' parlor and reception hall and a cafe. The second floor will be arranged for a banquet room, lodge rooms and ante rooms. Basement will be arranged for a gymnasium, including swimming pool, locker rooms and a heating plant. Interior finish will be of pine and hardwood. Hardwood floors will be used in the principal rooms. There will be steam heat, a hot water system and vacuum cleaning. Exterior of the building will be faced with pressed brick trimmed with terra cotta. Plans are complete and figures are now being taken. Bids will be opened on April 1st.

HOSPITALS

YOUNTVILLE, NAPA CO., CAL.—Hospital, 2 story and base, frame. Cost not stated. Architect, State Architect George B. McDougall, Sacramento. Owners, State of California. Bids opened for the construction of this work show contractors Louis Cereghino & Son of San Francisco low at \$13,240. This amount is within the appropriation. They will probably be awarded the contract. A complete list of the bidders for this work will be found under the heading of Marin, Contra Costa and Sonoma Counties in this issue.

HOTELS.

SAN FRANCISCO—Hotel, 3 story and base, brick and steel, \$25,000. Architects, Oser Bros., 165 Post street, S. F. Owners, Morris and Max Levy. The building will be erected at the northeast corner of 4th and Natoma streets, and has been designed to contain two stores on the first floor besides the hotel lobby. Upper floors will contain a number of single rooms and public baths. Interior finish will be of pine and redwood. There will be patent store fronts. Plans provide for steam heat and a hot water system. Baths will have tile wainscot and composition floors. Exterior of the building will be faced with pressed brick and terra cotta. Plans are complete and figures are being taken.

POST OFFICES

PENDELTON, ORE.—Post office, 2 story and base. Class A construction. Cost not stated. Architect, Supervising Architect Oscar Wenderoth, Washington, D. C. Owners, United States Gov-

ernment. The following firms have applied to the Supervising Architect for plans and specifications on the Pendleton, Ore., post office: Bedford Stone Club, Bedford, Ind.; Erickson & Larson, Seattle, Wash.; James S. Winters, 605 Couch Bdg., Portland, Ore.; E. D. Loch & Sons, 34 F street, Salt Lake City, Utah; Palmberg & Mattson, 829 Commercial street, Astoria, Ore.; J. H. Wiese, City National Bank Bldg., Omaha, Neb.; J. L. Murphy & Sons, 3138 North Ferdinand street, Tacoma, Wash.; H. E. Doehring, 568 Maple street, Portland, Ore.; Welch Bros. & Hannaman, 15th and Jefferson streets, Oakland, Cal.; Olson & Johnson, Missoula, Mont.; J. B. Sweatt, 406 Rookery Bldg., Spokane, Wash.; Sound Construction and Engineering Co., Seattle, Wash.; Bailey-Marsh Co., Metropolitan Life Bldg., Minneapolis, Minn.; Eugene Schuler, Pasadena, Cal.; Dieter-Wenzel Construction Co., Wichita, Kans.; John Almeter, 626 7th street, Portland, Ore.; The Brennan Construction Co., District National Bank Bldg., Washington, D. C.; W. D. Lovell, 1415 8th street, SE, Minneapolis, Minn.; The Connors Bros. Co., 64 W. 88th street, New York City; King Lumber Co., Charlottesville, Va.; George A. Whitmeyer & Sons, 2759 Grant avenue, Ogden, Utah; George W. Stiles Construction Co., Rookery Bldg., Chicago, Ill.

RESIDENCES.

SAN FRANCISCO—Residence, 2 story and base, frame, 6,000. Architect, none. Owner, Conservative Building and Investment Co., 200 Phelan Bldg., S. F. The dwelling will be erected on the west side of 14th avenue, north of Clement, and has been designed for a seven-room house with two baths and sleeping porch. A separate garage will also be erected on the property. Interior finish will be of pine and redwood and some hardwood veneer and white enamel in the bedrooms. Hardwood floors will be used in the living room, dining room and reception hall. There will be furnace heat and open fire places. Mantels will be of tile and brick. Bath rooms will have tile floors and wainscot. Plans provide for a hot water circulating system and vacuum cleaning. Exterior of the dwelling and garage will be covered with cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor.

SAN FRANCISCO—Residence, 2 story and base, frame, \$3,000. Architect, none. Owner, E. A. Schkade, 240 20th avenue. The dwelling is to be erected on the east side of 19th avenue, south of California street, and has been designed for a six-room dwelling with bath and sleeping porch. The basement will be occupied by a garage. The finish will be of pine with elm paneling in the dining room. Hardwood floors will be used in the living room, dining room and reception hall. Plans provide for furnace heat and open fire places. An automatic water heater will be installed. Bath room will have tile wainscot and floor. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor.

SAN FRANCISCO — Residence, 1½ story and base, frame, 2,000. Architect, none. Owner, P. F. Person, 4447 23rd street, S. F. The dwelling will be erected on the west side of Castro street, south of 29th, and is designed for a five-room house with bath. Interior will be finished in pine and redwood. Hardwood floors will be used in the living room and dining room. There will be an open fire place and brick or tile mantel. An automatic water heater will be installed. Tile wainscot will be used in the bath room and kitchen. Exterior of the house will be covered with rustic and cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor. Materials are now being purchased.

SAN FRANCISCO—Residence, 1 story and base, frame, 2,000. Architect, none. Owner, John L. Cliff, 463 Guerrero street, S. F. The dwelling will be erected at the southwest corner of Newton and Morse streets, and has been designed for a five-room house with bath. Interior finish will be of pine and redwood. Some hardwood floors will be used. There will be a large open fire place in the living room. Mantel will be of tile or brick. Tile wainscot will be used in the bath room and kitchen. An automatic water heater is specified. Exterior of the house will be covered with rustic and cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor. Materials are now being purchased.

SAN FRANCISCO—Residence, 1 story and base, \$2,500. Architect, E. E. Young, 251 Kearny street, S. F. Owner, Thomas Scoble, 363 14th avenue, S. F. The dwelling will be erected on the west side of 44th avenue, south of Balboa street. Interior has been designed to contain six rooms and bath. Hardwood floors will be used in the living and dining rooms and reception hall. There will be an open fire place in the living room with a tile or brick mantel. Tile wainscot will be used in the bath room and kitchen. Exterior of the dwelling will be covered with rustic and cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor. Materials are now being purchased.

SAN FRANCISCO—Residence, 2 story and base, frame, \$4,000. Architect H. C. Baumann, Chronicle Bldg., S. F. Owner, E. A. Janssen, 521 Hearst Bldg., S. F. This is one of five dwellings which will be erected in Lincoln Manor. This house has been designed to contain seven rooms, bath two toilets and sleeping porch. A separate garage will also be erected on the property. Interior of the dwelling will be finished in pine and hardwood, with white enamel in the bedrooms. Hardwood floors will be used in the principal rooms. Plans provide for furnace heat and open fire places. Mantels will be of tile or brick. Tile floor and wainscot will be used in the bath room. A hot water system is provided for, also vacuum cleaner. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the

work by Day Labor. Materials are now being purchased.

SAN FRANCISCO—Residence, 2 story and base, frame, \$2,500. Architect, none. Owner, F. Nelson, 30 Presidio Terrace, S. F. The dwelling will be erected on the east side of 29th avenue, south of Lincoln Way, and has been designed for a five-room house with bath. Interior finish will be of pine and redwood throughout. Hardwood floors will be used in the principal rooms. There will be an open fire place and brick or tile mantel. Tile wainscot and composition floor will be used in the bath room. Exterior of the house will be covered with cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor.

SAN FRANCISCO—Residence, 2 story and base, frame, \$6,000. Architect, Charles J. Rousseau, 46 Kearny street, S. F. Owner, John Little. The dwelling will be erected on the west side of 11th avenue, between Anza and Balboa streets, and has been designed to contain seven rooms, one bath and two toilets. The basement will be arranged for a garage. Interior finish will be of pine and redwood, with the main floors finished in blue gum. Upper floor will be finished with white enamel. Hardwood floors will be used throughout. Plans provide for furnace heat and open fire places. Mantels will be of tile. Bath rooms will have tile wainscot and floors, and will be finished with high grade plumbing fixtures. Exterior of the dwelling has been designed in the French Renaissance style and will be covered with cement plaster on metal lath. Plans are being prepared and when complete the work will be done by Day Labor.

SAN FRANCISCO—Residence, 2 story and base, frame, \$3,000. Architect, W. H. Rhodes, 3372 16th street, S. F. Owner, D. J. Clancy, 2884 Folsom street, S. F. The dwelling will be erected on the west side of 23rd avenue, north of Anza and has been designed to contain six rooms and sleeping porch. Interior will be of pine and redwood with some elm panels. Hardwood floors will be used in the living room, dining room and reception hall. There will be open fire places, and tile or brick mantels. Bath rooms will be finished in tile. An automatic water heater will be installed. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are complete and figures are now being taken by the architect.

OAKLAND, CAL.—Residence, 1 story and base, frame, \$3,000. Architect, none. Owner, Thomas J. Oakes, 6029 Hillegass avenue, Oakland. The dwelling will be erected on the east side of Beaumont, south of 38th street, and has been designed to contain six rooms, bath and sleeping porch. Interior finish will be of pine and redwood with some hardwood. White enamel will be used in the bed rooms. Hardwood floors will be used in the principal rooms. There will be open fire places and tile or brick mantels. Bath room will have tile wainscot. An automatic water heater will be installed. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor.

PIEDMONT ALAMEDA CO., CAL.—Residence, 2 story and base, frame. Cost not stated. Architect, John Hudson Thomas, First National Bank Bldg., Berkeley. Owner, G. Ross. The dwelling has been designed for a handsome city residence and will be erected in Nova Piedmont. Interior finish will be of pine, redwood, hardwood veneer and white enamel. Hardwood floors will be used throughout. Plans provide for furnace heat and open fire places. Mantels will be of tile or brick. Tile wainscot and floors will be used in the bath rooms. An automatic water heater will be installed. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are complete and figures are now being taken.

OAKLAND, CAL.—Residences, 12, 1 story and base, frame, \$2,500 to \$3,500 each. Architect, none. Owner, C. M. MacGregor, 470 13th street, Oakland. These dwellings will be erected on Millbury near Everett street, and will contain from five to six rooms with bath each. Interior finish will be of pine and redwood with some elm panels. Hardwood floors will be used in the living rooms and dining rooms. There will be open fire places and tile or brick mantels. Tile wainscot will be used in the bath rooms and kitchens. Automatic water heaters will be installed in the more expensive houses. Exteriors will be covered with cement plaster on metal lath, rustic and shingles. Plans are complete and in the hands of the owner who will do the work by Day Labor.

OAKLAND, CAL.—Residence, 2 story and base, \$3,500. Architect, Universal Drafting Bureau, 1844 5th avenue, Oakland. Owner, R. A. McWilliams. The dwelling will be erected on Fourth avenue, between 20th and 21st streets, and has been designed for a seven-room house with bath and sleeping porch. Interior finish will be of pine and redwood with some hardwood veneer and white enamel in the bed rooms. Hardwood floors will be used in the living room, dining room and reception hall. Plans provide for furnace heat and open fire places. Mantels will be of tile or brick. Tile wainscot will be used in the bath room and kitchen. An automatic water heater will be installed. Exterior of the building will be covered with cement plaster on metal lath. Plans are now being completed and work will be done by Day Labor.

OAKLAND, CAL.—Residence, 2 story and base, frame, \$6,500. Architect, Charles W. McCall, Central Bank Bldg., Oakland. Owners, Wickham Haven, Inc. The dwelling has been designed for an eight-room house with two baths and sleeping porch and a separate garage, and will be erected on Mandana Boulevard. Interior of the dwelling will be finished in pine and redwood with some hardwood veneer, and white enamel. Hardwood floors will be used in the living room and dining room and reception hall. There will be furnace heat and open fire places. Mantels will be of tile or brick. Tile wainscot will be used in the bath room and kitchen. Plans provide for an automatic water heater. Exterior of both dwelling and garage will be covered with cement plaster on metal lath. Plans are now ready

for figures and bids will be taken by the architect.

OAKLAND, CAL.—Residence, 2 story and base, frame, \$6,000. Architects, Hutchinson & McLean, 470 13th street. Owner's name withheld. The dwelling will be erected in East Piedmont Heights, and has been designed for an eight-room house with two baths and sleeping porch. Interior finish will be of pine and redwood with white enamel in the bed rooms. Plans provide for furnace heat and open fire places. Mantels will be of tile or brick. Tile wainscot will be used in the bath rooms. There will be an automatic water heater. Separate garage will be erected in the rear of the property. Exterior of the dwelling and garage will be covered with cement plaster on metal lath. A clay tile roof will be used on the dwelling. Plans are being prepared.

OAKLAND, CAL.—Residence, 2 story and base, frame, \$4,000. Architect, Charles W. McCall, Central Bank Bldg., Oakland. Owner, K. C. Paul. The dwelling has been designed for a seven-room house and will be erected on Lakeside avenue. Interior finish will be of pine and redwood, with some elm panels and white enamel in the bed rooms. Hardwood floors will be used in the living room, dining room and reception hall. An automatic water heater will be installed. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are complete and figures are now being taken.

FRESNO, FRESNO CO., CAL.—Residence, 1 story and base, frame, \$1,500. Architect, none. Owner, John Gamber, 1543 C street, Fresno. The dwelling has been designed for a five-room house with bath. Interior finish will be of pine and redwood. Some hardwood floors will be used. There will be an open fire place in the living room. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are complete and in the hands of the owner, and the work will be done by Day Labor.

SAN JOSE, SANTA CLARA CO., CAL.—Residences, 1 story and base, frame. Cost not stated. Architect, none. Owners as follows. The following Day Labor jobs are reported as about to be started in San Jose: J. A. Wagner, 320 North 16th street, 1 story and base, frame, \$2,000. E. D. Wells, 17th street near Empire, 1 story, five-room, frame, \$2,000. Edward Wofford, 16 North Second street, 1 story five-room, frame, \$1,500. J. Guardino, 424 North 21st street, 1 story, frame, five rooms, \$1,450. S. D'Amico, 1825 Vine street, 1 story, frame, five rooms, \$1,000. Plans are in the hands of the owners and materials are now being purchased.

SAN FRANCISCO—Residence, 2 story and base, frame, \$2,500. Architect, none. Owner, Joseph Tognetti, 781 Stevenson street, S. F. The dwelling has been designed for a five-room house with bath and will be erected on the west side of Anza street near 24th avenue. Interior finish will be of pine and redwood throughout. Some hardwood floors will be used. There will be an open fire place and tile or brick mantel. Tile wainscot will be used in the bath room. Basement has been designed for a private garage. Exterior of the dwelling will be covered with cement plaster on metal

ADVANCE NEWS

Classified according to Location

SAN FRANCISCO.

RESIDENCE — 2 story and base, frame, \$6,000. San Francisco. Architect, none. Owner, Conservative Building and Investment Co., 200 Phelan Bldg., S. F. The dwelling will be erected on the west side of 14th avenue north of Clement, and has been designed for a seven-room house with two baths and sleeping porch. A separate garage will also be erected on the property. Interior finish will be of pine and redwood and some hardwood veneer, with white enamel in the bedrooms. Hardwood floors will be used in the living room, dining room and reception hall. There will be furnace heat and open fire places. Mantels will be of tile and brick. Bath rooms will have tile floors and wainscot. Plans provide for a hot water circulating system and vacuum cleaning. Exterior of the dwelling and garage will be covered with cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor.

RESIDENCE — 2 story and base, frame, \$3,000. San Francisco. Architect, none. Owner, E. A. Schkade, 240 20th avenue. The dwelling will be erected on the east side of 19th avenue south of California street, and has been designed for a six-room dwelling with bath and sleeping porch. The basement will be occupied as a garage. The finish will be of pine with elm panels in the dining room. Hardwood floors will be used in the living room, dining room and reception hall. Plans provide for furnace heat and open fire places. An automatic water heater will be installed. Bath room will have tile wainscot and floor. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor.

RESIDENCE — 1½ story and base, frame, \$2,000. San Francisco. Architect, none. Owner, Mr. Person, 4447 23rd street, S. F. The dwelling will be erected on the west side of Castro street, south of 29th, and is designed for a five-room house with bath. Interior finish will be of pine and redwood. Hardwood floors will be used in the living room and dining room. There will be an open fire place and brick or tile mantel. An automatic water heater will be installed. Tile wainscot will be used in the bath room and kitchen. Exterior of the house will be covered with rustic and cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor. Materials are now being purchased.

RESIDENCE — 1 story and base, frame, \$2,000. San Francisco. Architect, none. Owner, John L. Cliff, 463 Guerrero street, S. F. The dwelling will be erected at the southwest cor-

ner of Newton and Morse streets, and has been designed for a five-room house with bath. Interior finish will be of pine and redwood. Some hardwood floors will be used. There will be a large open fire place in the living room. Mantel will be of tile or brick. Tile wainscot will be used in the bath room and kitchen. An automatic water heater is specified. Exterior of the house will be covered with rustic and cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor. Materials are now being purchased.

RESIDENCE — 1 story and base, frame, \$2,500. San Francisco. Architect, E. E. Young, 251 Kearny street, S. F. Owner, Thomas Scoble, 363 14th avenue, S. F. The dwelling will be erected on the west side of 44th avenue, south of Balboa street. Interior will be finished in pine and redwood, with some white enamel. The house has been designed to contain six rooms and bath. Hardwood floors will be used in the living and dining rooms and reception hall. There will be an open fire place in the living room with a tile or brick mantel. Tile wainscot will be used in the bath room and kitchen. Exterior of the dwelling will be covered with rustic and cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor. Materials are now being purchased.

RESIDENCE — 2 story and base, frame, \$4,000. San Francisco. Architect, H. C. Baumann, Chronicle Bldg., S. F. Owner, E. A. Janssen, 521 Hearst Bldg., S. F. This is one of five dwellings which will be erected in Lincoln Manor. This house has been designed to contain seven rooms, bath, two toilets and sleeping porch. A separate garage will also be erected on the property. Interior of the dwelling will be finished in pine and hardwood, with white enamel in the bedrooms. Plans provide for furnace heat and open fire places. Mantels will be of tile or brick. Tile floor and wainscot will be used in the bath room. A hot water system is provided for, also vacuum cleaning. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor. Materials are now being purchased.

RESIDENCE — 2 story and base, frame, \$2,500. San Francisco. Architect, none. Owner, F. Nelson, 30 Presidio Terrace, S. F. The dwelling will be erected on the east side of 29th avenue south of Lincoln Way, and has been designed for a five-room house with bath. Interior finish will be of pine and redwood throughout. Hardwood floors will be used in the principal rooms. There will be an open fire place and brick or tile mantel. Tile wainscot and composition floor will be used in the bath room. Exterior

of the house will be covered with cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor.

RESIDENCE — 2 story and base, frame, \$6,000. San Francisco. Architect, Charles J. Rousseau, 46 Kearny street, S. F. Owner, John Little. The dwelling will be erected on the west side of 11th avenue, between Anza and Balboa streets, and has been designed to contain seven rooms, one bath and two toilets. The basement will be arranged for a garage. Interior finish will be of pine and redwood with the main floor finished in blue gum and upper floor finished in white enamel. Hardwood floors will be used throughout. Plans provide for furnace heat and open fire places. Mantels will be of tile. Bath room will have tile wainscot and floor and will be finished with high grade plumbing fixtures. Exterior of the dwelling has been designed in the French Renaissance style and will be covered with cement plaster on metal lath. Plans are being prepared and when completed the work will be done by Day Labor.

RESIDENCE — 2 story and base, frame, \$3,000. San Francisco. Architect, W. H. Rhodes, 3372 16th street, S. F. Owner, D. J. Clancy, 2884 Folsom street, S. F. The dwelling will be erected on the west side of 23rd avenue, north of Anza, and has been designed to contain six rooms and sleeping porch. Interior will be finished in pine and redwood with some elm panels. Hardwood floors will be used in the living room, dining room and reception hall. There will be open fire places and tile or brick mantels. Bath rooms will be finished in tile. An automatic water heater will be installed. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are complete. Figures are now being taken by the architect.

APARTMENT HOUSE — 4 story and base, brick and steel, \$25,000. San Francisco. Architect, Herman Barth, 12 Geary street, S. F. Owner, O. C. Holt, 110 Jessie street, S. F. The building will be erected on the west side of Hyde street south of Ellis, having a frontage of 25 feet and a depth of 93 feet. Interior has been arranged for a number of two, three and four room suites, all of which will have private baths and wall beds. Interior finish will be of pine with elm panels. Hardwood floors will be used in the living and dining rooms. Plans provide for steam heat, a hot water system and elevator service. Bath rooms will have tile wainscot and composition floors. Marble wainscot will be used in the entrance. The exterior of the building will be faced with pressed brick and terra cotta. Plans are complete and in the hands of the owner who will do the work by Day Labor. Materials are now being purchased.

FACTORY — 2 story and base, frame, \$10,000. San Francisco. Architect,

W. R. BRODE, Pres. LOUIS R. HOLM, Sec. R. J. BRODE, Vice-Pres.

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Charles C. Frye, 20 Montgomery street, S. F. Owner's name withheld. The building will be erected in the Potrero District and will cover an area of 50 by 110 feet. There will be a cement floor. No interior finish is specified. The exterior of the building will be covered with rustic. Corrugated iron roof will be used. Included in the work is a fifty-horsepower, low-pressure steam boiler. Plans are being prepared.

FLATS—3 story and base, frame, \$5,975. San Francisco. Architect, none. Owners, Andrew and Clorinda Cuneo, 1723 Stockton street, S. F. The building will be erected on the south side of Union street east of Larkin and has been designed to contain three modern flats of five and six rooms each. The basement will be used for a garage. Interior finish will be of pine and redwood with some elm panels. Hardwood floors will be used in the living and dining rooms. There will be open fire places and tile or brick mantels. Tile wainscot will be used in the bath rooms and kitchens. Entrance vestibule will have marble wainscot. Mosaic steps and risers are specified. Exterior of the building will be faced with rustic and cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor. Materials are now being purchased.

GARAGE—2 story and base, brick and steel, \$25,000. San Francisco. Architect, T. Paterson Ross, 310 California street, S. F. Owners, Shields Estate Co. The building will be erected on the south side of Bush street west of Montgomery, and will cover an area of 70 by 137½ feet. There will be two stores besides the garage on the first floor. The garage portion of the building has been designed for storage space, machine shop and repair rooms, and will occupy a portion of the first and all of the second floor. There will be a steel frame and steel roof trusses. Interior will be finished in pine. Special gasoline storage tanks are specified. Metal window sash and frames will be used. Exterior of the building will be covered with pressed brick trimmed with terra cotta. Plans are complete and figures have been taken. The bids are now under advisement.

HOTEL—3 story and base, brick and steel, \$25,000. San Francisco. Architects, Oser Bros., 165 Post street, S. F. Owners, Morris and Max Levy. The building will be erected at the northeast corner of 4th and Natoma streets, and has been designed to contain two stores on the first floor besides the hotel lobby. Upper floors will contain a number of single rooms and public baths. Interior finish will be of pine and redwood. There will be patent store fronts. Plans provide for steam heat and hot water system. Baths will have tile wainscot and composition floors. Exterior of the building will be faced with pressed brick and terra cotta. Plans are complete and figures are being taken.

APARTMENT HOUSE—3 story and base, frame, \$17,500. San Francisco. Architects, Rousseau & Rousseau, French Bank Bldg., S. F. Owners, Gerard Investment Company, 110 Sutter street. The building will be erected at the northwest corner of Pine and Mason streets, covering an area of 23 by 52½ feet. There will be two stores on the first floor and four apartments of three and four rooms on the upper two floors. Interior finish will be of pine and redwood with hardwood floors in the living rooms. Each apartment will have wall beds and private baths. Bath rooms will be finished in tile. Plans provide for steam heat and a hot water system. Patent store fronts will be used. Exterior of the building will be faced with cement plaster on metal lath. Plans are complete and the work will be done by Day Labor.

STORES—10, 1 story, steel and corrugated iron. Cost not stated. San Francisco. Architects, O'Brien Bros., 240 Montgomery street, S. F. Owners, Omen Oil Company. These buildings have been designed for supply stations and will be erected at various parts of this city. There will be a complete steel frame with exterior covered with corrugated iron. A cement floor will be used. Plans are now being prepared.

FLATS—2 story and base, frame, \$8,000. San Francisco. Architect, W. G. Hind, 46 Kearny street, S. F. Owner's name withheld. The building will be erected on Lombard street near Jones and has been designed for two large residential flats. Interior will be finished in pine and hardwood. Hardwood floors will be used in the principal rooms. There will be open fire places with tile or brick mantels, furnace heat and a hot water system. Bath rooms will be finished in tile. Exterior of the building will be covered with cement plaster on metal lath. Plans are complete and figures are now being taken.

BRIDGE APPROACHES—Reinforced concrete. Cost not stated. San Francisco. Engineer, City Engineer, Temporary City Hall, S. F. Owners, City and County of San Francisco. The Board of Public Works will shortly call for bids on the construction of the approaches to the Third street bridge. This work will put the bridge in shape to carry heavier traffic.

DRIVING CREOSOTED PILES—Cost not stated. Fort Mason, Cal. Engineer, Constructing Quartermaster's Office, Fort Mason. Owners, United States Government. Plans are complete and figures are being taken. Bids will be opened on March 29th. An official proposal appears in another column of this issue.

STREET IMPROVEMENT—Cost not stated. San Francisco. Engineer, City Engineer, San Francisco. Owners, City of San Francisco. The bid submitted by Jas. Monohan for the improvement of 22nd street from Potrero avenue to Vermont street has been rejected by the Board of Public Works.

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RESIDENCE — 2 story and base, frame, \$2,500. San Francisco. Architect, none. Owner, Joseph Tognetti, 781 Stevenson street, S. F. The dwelling has been designed for a five-room house with bath and will be erected on the west side of Anza street near 24th avenue. Interior finish will be of pine and redwood throughout. Some hardwood floors will be used. There will be an open fire place and tile or brick mantel. Tile wainscot will be used in the bath room. Basement has been designed for a private garage. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are complete and the work will be done by Day Labor.

Contracts Awarded.

RESIDENCE — 2 story and base, frame, \$6,500. San Francisco. Architect, Henry Shermund, Mills Bldg., S. F. Owner, Solomon Bibb. Contractor, F. H. Boring, San Mateo City, general construction only. Contract price, \$6,500.

City Bids Opened

General Construction of The Pathological Ward at San Francisco Hospital Attracts Many Bidders.

An extraordinary session of the Board of Public Works closed at five o'clock Friday. At this meeting bids were opened for the general construction of the Pathological ward and garage building at the San Francisco Hospital, C. L. Wold bidding low at \$63,960; plumbing on the same with F. W.

Snook Co. low at \$5,898; heating on the same with Scott Co. low at \$3,995; electric work with Rutte Engineering low at \$2,611, hardware with the Pacific Hardware and Steel Co. low at \$1,380, and painting with but one bid in that of T. R. Kissel for \$2,750. Bids were also received at the same meeting for constructing the Beach Terminal Loop of the Municipal Railroads and for the ornamental iron work on the City Hall.

A complete list of the bids received follows:

General Construction, Pathological Ward.

D. O. Church Co.	\$72,949
O. Monson	68,700
Clinton Fireproofing Co.	65,900
G. N. Bergren	78,972
H. S. Williams	72,845
James L. McLaughlin	69,464
J. J. Leonard	67,950
W. D. Henderson	71,980
E. Rolandi	64,357
C. L. Wolf & Co.	63,960
E. Gloer	67,920
A. Kohn	69,090

Plumbing, Pathological Ward.

P. W. Snook & Co. (a) \$5,898; (b) \$324; (c) \$367.	
Gilley-Schmidt Co. (a) \$8,990; (b) \$8,500; (c) \$8,650.	
Robt. Dalziel, Jr. (a) \$6,997; (b) \$6,667; (c) \$6,600.	
Scott Co. (a) \$7,093; (b) \$6,793; (c) \$6,793.	
Wittman-Lyman Co. (a) \$6,811; (b) \$6,586; (c) \$6,444.	
Kiernan & O'Brien (a) \$6,296; (b) \$5,996; (c) \$5,946.	
H. Lawson (a) \$6,200; (b) \$5,890; (c) \$5,833.	
A. Lettich (a) \$6,446; (b) \$6,101; (c) \$5,906.	
J. E. O'Mara (a) \$6,500; (b) \$6,200; (c) \$6,100.	
A. Coleman (a) \$7,440; (b) \$7,060; (c) \$7,000.	
Turner Co. (a) \$6,620; (b) \$6,250; (c) \$6,200.	

Heating on Pathological Ward.

Robert Dalziel, Jr.	\$5,687
Stiebert Co.	4,998
Scott Co.	3,995
Wittman-Lyman Co.	4,924
Kiernan & O'Brien	5,537
J. E. O'Mara	5,244
Atlas Heating & Ventilating Co.	4,427

Electrical Work, Pathological Ward.

Rutte Engineering and Electric Co. (a) \$2,611; (b) \$1,950.	
C. B. Kenny (a) \$2,698; (b) \$2,310.	
H. S. Little (a) \$3,447; (b) \$2,880.	
Turner Co. (a) \$7,190; (b) \$6,790.	

Painting Pathological Ward.

T. R. Kissel	\$2,750
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Hardware, Pathological Ward.

A. W. Pike	\$1,450
Pacific Hardware & Steel Co.	1,380

Beach Terminal Loop

T. H. Mullen	\$1,924.00
R. Nugent	4,268.00
E. Rolandi	2,990.00
P. Broderick	2,735.00
Contra Costa Constr. Co.	2,829.66
Eaton & Smith	2,370.00
F. R. Ritchie	2,500.00

Ornamental Iron and Bronze, City Hall

Sartorius Co. (a) \$118,568; (b) \$115,000; (c) \$123,868; unit, (a) \$118,000; (b) \$105,168.	
C. J. Hillard Co. (a) \$167,800; (b) \$160,550; (c) \$183,160; unit, (a) \$7,815; (b) \$7,800.	
Hinkes Winslow Co. (a) \$134,750; (b) \$132,600; (c) \$135,500; unit, (a) \$2,350; (b) \$7,200.	

Rudgegar-Merle Co. (a) \$93,000; (b) \$88,000; (c) \$101,000; unit, (a) \$1,950; (b) \$5,850.	
California Art Metal & Wire Co. (a) \$105,000; (b) \$109,300; (c) \$109,800; unit, (a) \$1,240; (b) \$6,640.	
Monarch Iron Works (a) \$114,900; (b) less \$2,000 (c) add \$1,000; unit (a) \$2,000; (b) \$6,600.	
Pacific Rolling Mill Co. (a) \$110,663; (b) \$108,163; (c) \$112,163; unit, (a) \$1,000; (b) \$7,500.	

Building Contracts Awarded.

San Francisco

No.	Owner.	Contractor	Amt.
821	Porta	Almar	2450
822	P. P. I. E.	Symon	18250
823	Same	McLeran	14419
824	Schrader	Klahn	8950
825	Richellieu	Donovan	1869
826	Nyman	Nyman	1106
827	Union Iron	Owner	3200
828	Costello	McDonough	1500
829	Nelson	Nelson	2500
830	Janssen	Janssen	4000
831	Janssen	Janssen	1400
832	Montrouill	Montrouill	1400
833	S. P.	Brumfield	5894
834	McDonald	Coburn	5208
835	Cramer	Peterson	6773
836	Young	Morphy	11500
837	Allred	Allred	1950
838	Schlake	Schlake	2900
839	Edward	Currie	400
840	Person	Person	2000
841	Conservative	Owner	6000
842	Burns	Burns	500
843	Lublin	Scheffski	500
844	Koskinen	Koskinen	400
845	Cliff	Cliff	2000
846	Torres	Brockage	400
847	Umben	Pennell	500
848	Kuhlman	Kuhlman	600
849	Billington	Billington	450
850	Harris	Flaherty	9190
851	Same	Haub	1555
852	Boeckmann	Moore	3000
853	Same	Same	3000
854	Randolph	Fletcher	5400
855	Dean	Pacific Ex	2550
856	Sale	Hamill	2750
857	Pease	Beck	5421
858	Same	Hooper	677
859	Ross	Brunswick	450
860	Holt	Holt	25000
861	Beretta	Beretta	400
862	Smith	Fisher	400
863	Cuneo	Cuneo	5975
864	Huetter	McMullin	900
865	Rovere	Rovere	500
866	Johns	Johns	1500
867	Burke	Cleese	2830
868	Ribo	Boring	6388
869	Servani	Perini	1600
870	Pelz	Pelz	450
871	Bacchi	Sarini	450
872	Union	Healy	60000
873	Tognetti	Tognetti	2000
874	Schram	MacKillop	1565
875	Omen	Omen	400
876	Shields	Coburn	8100
877	Same	Forbes	1985
878	Same	Petersen	967
879	Same	Larsen	3395
880	Same	Pac Rolling Mill	4150
881	Same	Spencer	2485
882	Ludemann	Reite	58000
883	Dobest	Dobest	800
884	Delmoly	Francesconi	500
885	Elec. Supply	Nielsen	400
886	MacLeod	Wallen	400
887	Smith	Smith	1700
888	Lessard	Parry	2400
889	Butler	Butler	4000
890	Gooltz	Gooltz	1400
891	Costello	Ferriek	2900
892	Alexander	Alexander	2000
893	Ehrman	Barrett	7345

ALTERATIONS

(821) S. FULTON, bet. Gough and Octavia. No. 413 Fulton. Alterations and additions to two-story and basement frame building.	
Owner.....Amable Porta, 429 Fulton, San Francisco.	
Architect...C. Fantoni, 916 Kearny, San Francisco.	
Contractor..Giacomo Almar.	
Filed Mar. 15, '15. Dated Mar. 9, '15.	
Frame up and roof on.....\$1000	

Completed and accepted.....	1000
4 months after.....	450
TOTAL COST, \$2450	
Bond, none. Limit, 60 days. Forfeit, none. Plans and specifications filed.	

GRAND STAND, ETC.

(822) EXPOSITION SITE. All work for construction of buildings and grand stand for 101 Ranch Concession Owner.....Panama-Pacific International Exposition Co., Exposition Site, S. F.	
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Architect...None.	
Contractor..Symon Bros. Wrecking Co. 1679 Market, San Francisco	
Filed Mar. 15, '15. Dated Feb. 12, '15.	

As work progresses.....	75%
Usual 35 days.....	25%
TOTAL COST, \$18,250	
Bond, \$10,000. Surety, Pacific Coast Casualty Co. Limit, 25 days. Forfeit, none. Plans and specifications filed.	

CLUBHOUSE

(823) EXPOSITION SITE. All work for enlisted men's clubhouse.	
Owner.....Panama-Pacific International Exposition Co., Exposition Site, S. F.	
Architect...Chas. E. Richardson, Service Bldg., S. F.	
Contractor..McLeran & Peterson, Sharon Bldg., S. F.	

Filed Mar. 15, '15. Dated Feb. 10, '15.	
As work progresses.....	75%
Usual 35 days.....	25%
TOTAL COST, \$14,419	

Bond, \$8000. Sureties, A. H. Giannini and Angelo Ferroggiano. Limit, 45 days. Forfeit, \$50. Plans and specifications filed.	
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FRAME FLATS

(824) S. WALLER 60 E Schrader E 25x S 100. All work for three-story frame flats.	
Owner.....The Schrader Est. Co., 1138 Guerrero, S. F.	
Architect...A. Klahn.	
Contractor..A. Klahn & Son, 27 Chenery, San Francisco.	

Filed Mar. 15, '15. Dated Jan. 27, '15.	
Frame up.....	\$1675
Brown coated.....	1675
White coated.....	1675
Completed and accepted.....	1675
Usual 35 days.....	2250
TOTAL COST, \$8950	
Bond, none. Limit, 100 days. Forfeit, \$10. Plans and specifications filed.	

PAINTING HOTEL

(825) SE VAN NESS AVE & GEARY. Clean and paint Hotel Richellieu.	
Owner.....Richellieu Invst. Co.	
Engineer...Heller & Wilson, Mechanics' Inst. Bldg., S. F.	
Contractor..Vincent J. Donovan, 729 Minna, San Francisco.	

Filed Mar. 15, '15. Dated Mar. —, '15.	
5 days after acceptance.....	\$1401.75
Usual 35 days.....	467.25
TOTAL COST, \$1869.00	
Bond, none. Limit, without delay. Forfeit, none. Specifications only filed.	

FRAME DWELLING

(826) S. MANGELS 125 SE Hamburg. One and one-half-story and basement frame dwelling.	
Owner.....C. Nyman, 151 Randall, San Francisco.	
Architect...None.	
Day's work.....	COST, \$1100

WATER TANK AND TOWER

(827) BLOCK 460, Potrero District.	
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Steel frame water tank and tower.
Owner.....Union Iron Works, Frem.
Architect...Allen Ramsay, Promiss.
Day's work. COST, \$3200

FRAME DWELLING
(828) S COTTER 450 W Mission. One and one-half-story and basement frame dwelling.
Owner.....Costello & McDonough, 93 College Ave., S. F.
Architect...None.
Day's work. COST, \$1800

FRAME DWELLING
(829) E TWENTY-NINTH AVE 175 S Lincoln Way. Two-story and basement frame dwelling.
Owner.....F. Nelson, 49 Presidio Terrace, San Francisco.
Architect...None.
Day's work. COST, \$2500

FRAME DWELLING
(830) E THIRTY-EIGHTH AVE 120 N Geary. Two-story and basement frame dwelling.
Owner.....E. A. Janssen, 521 Hearst Bldg., San Francisco.
Architect...H. C. Baumann, Chronicle Bldg., San Francisco.
Day's work. COST, \$1600

FRAME DWELLING
(831) E THIRTY-EIGHTH AVE 90 N Geary. Two-story and basement frame dwelling.
Owner.....E. A. Janssen, 521 Hearst Bldg., San Francisco.
Architect...H. C. Baumann, Chronicle Bldg., San Francisco.
Day's work. COST, \$1600

FRAME DWELLING
(832) N ARMY 50 W Florida. One-story and basement frame dwelling.
Owner.....P. W. Montrouil, 270 Andover, San Francisco.
Architect...None.
Day's work. COST, \$1400

ELECTRIC SIGN
(833) COR. POWELL AND MARKET. Install and erect an electric sign on roof of James Flood Building.
Owner.....Southern Pacific Co., Flood Bldg., San Francisco.
Architect...None.
Contractor...Wm. C. Brumfield, 18 7th, San Francisco.
Filed Mar. 16, '15. Dated Mar. 4, '15.
On 15th of each month..... 75%
Usual 35 days..... 25%
TOTAL COST, \$5294
Bond, \$3000. Surety, Massachusetts Bonding & Insurance Co. Limit, 30 days. Forfeit, none. Specifications only filed.

FRAME FLATS
(834) E BRYANT 118 N 21st N 25xE 100. All work for two-story and basement frame flats.
Owner.....S. M. McDonald, 2209 Bryant, San Francisco.
Architect...C. O. Clausen, Hearst Bldg., San Francisco.
Contractor...Charles Coburn.
Filed Mar. 16, '15. Dated Mar. 15, '15.
Frame up.....\$1308
Brown coated..... 1308
Completed and accepted..... 1308
Usual 35 days..... 1308
TOTAL COST, \$5208
Bond, none. Limit, 75 days. Forfeit, none. Plans and specifications filed.

APARTMENTS
(835) E HYDE 102-6 S Turk E 137-6x S 35. Excavation, concrete and iron work for three-story and basement reinforced concrete apartments.
Owner.....O. A. Craemer, Los Gatos.
Architect...Wm. Koenig, 750 Parnassus Ave., San Francisco.
Engineer...J. P. Christensen.
Contractor...H. L. Petersen, 62 Post, San Francisco.
Filed Mar. 16, '15. Dated Mar. 16, '15.
Ready for 2nd floor joists.....\$1690
Ready for 3rd floor joists..... 1600
Completed and accepted..... 1720
Usual 35 days..... 1694
TOTAL COST, \$6773

Bond, \$3387. Surety, The Aetna Accident & Liability Co. Limit, 40 days. Forfeit, \$5. Plans and specifications filed.

FRAME APARTMENTS
(836) W BRODERICK 100 S Jackson S 27-8½xW 112-6 W A 544. All work except electric fixtures for 3-story and basement frame apartments.
Owner.....Edith Roney Young and Margaret M. Roney, 2211 Broderick, S. F.
Architect...J. F. Dunn, Monadnock Bldg., San Francisco.
Contractor...W. H. Morphy, 2312 Clay, San Francisco.
Filed Mar. 16, '15. Dated Mar. 15, '15.

Frame up.....\$2156
Brown coated..... 2156
Standing finished..... 2156
Completed and accepted..... 2157
Usual 35 days..... 2875
TOTAL COST, \$11,500
Bond, \$5750. Sureties, Frederick W. Snook and Jas. Cantley. Limit, 120 days after Mar. 6. Forfeit, \$10. Plans and specifications filed.

FRAME DWELLING
(837) S OCEAN 30 W Wanda. One and one-half-story and basement frame dwelling.
Owner.....C. S. Allred, 150 Onondago Ave., San Francisco.
Architect...None.
Day's work. COST, \$1950

FRAME DWELLING
(838) E NINETEENTH AVE 50 S California. Two-story and basement frame dwelling.
Owner.....E. A. Schkade, 245 29th Ave., San Francisco.
Architect...None.
Day's work. COST, \$2900

FRAME GARAGE
(839) S GREEN 42 W Baker. One-story frame garage.
Owner.....J. P. Edwards, 1001 Flatiron Bldg., S. F.
Architect...None.
Contractor...Robt. Currie, San Mateo.
COST, \$400

FRAME DWELLING
(840) W CASTRO 126-6 S 29th. One and one-half-story and basement frame dwelling.
Owner.....T. M. Person, 4447 23rd, San Francisco.
Architect...None.
Day's work. COST, \$2600

FRAME DWELLING
(841) W FOURTEENTH AVE 25 N Clement. Two-story and basement frame dwelling.

Owner.....Conservative Bldg. & Investment Co., 200 Phelan Bldg., San Francisco.
Architect...None.
Day's work. COST, \$6000

ADDITION
(842) NO. 115 HOFFMAN AVE. Add three rooms to dwelling.
Owner.....J. T. Barnes, Promiss.
Architect...None.
Day's work. COST, \$500

FRAME WAREHOUSE
(843) NO. 50 RAILWAY AVE. One-story frame warehouse.
Owner.....S. Lubin, 3475 17th, S. F.
Architect...None.
Contractor...David Schefski, 22 Arleta Ave., San Francisco.
COST, \$500

ADDITION
(844) NO. 112 KNOX. Add to dwlg.
Owner.....C. Koskinen, Promiss.
Architect...None.
Day's work. COST, \$400

FRAME DWELLING
(845) SW NEWTON 120 SE Morse. One-story and basement frame dwlg.
Owner.....John L. Cliff, 463 Guerrero, San Francisco.
Architect...None.
Day's work. COST, \$2000

ALTERATIONS
(846) NO. 2238 POST. Alter dwelling.
Owner.....F. La Torres, 2237 Mission San Francisco.
Architect...None.
Contractor...Brockage, Foley & Green, 1329 Natoma, S. F.
COST, \$400

UNDERPIN
(847) NO. 1618 POLK. Underpin apartments.
Owner.....G. H. Embsen, 20 Montgomery, San Francisco.
Architect...None.
Contractor...Jas. Fennell, 120 Jessie, San Francisco.
COST, \$500

FRAME STORE
(848) SW CASTRO AND TWENTY-third. One-story frame store.
Owner.....E. H. Kuhnmann, 914 Douglas, San Francisco.
Architect...None.
Day's work. COST, \$600

ALTERATIONS
(849) CLIFF HOUSE. Alter photo gallery.
Owner.....J. R. Billington, 499 11th Ave., San Francisco.
Architect...None.
Day's work. COST, \$450

FRAME FLATS
(850) S BRAOWAY 127-6 W Hyde W 42-10xS 87-6. All work except plumbing, wiring, painting and wall beds for two-story and basement frame flats.
Owner.....Joe Harris, Company, 225 Embarcadero, S. F.
Architect...Sylvain Schnalttacher, 233 Post, San Francisco.
Contractor...Flaherty & Ogle, 110 Jessie, San Francisco.
Filed Mar. 17, '15. Dated Mar. 15, '15.
Frame up and roof boards on...\$2297
Brown coated..... 2297
Completed and accepted..... 2297

Usual 35 days..... \$239
TOTAL COST, \$9190
 Bond, \$4595. Surety, The Aetna Accident & Liability Co. Limit, 110 days. Forfeit, \$10. Plans and specifications filed.

(851) PLUMBING, SEWERING AND gas fitting on above.
 Contractor..Geo. P. Haub, 1996 Union, San Francisco.
 Filed Mar. 17, '15. Dated Mar. 11, '15.
 Roughing in completed.....\$500
 Completed and accepted..... 688
 Usual 35 days..... 397
TOTAL COST, \$1585
 Bond, \$793. Surety, Fidelity & Deposit Co. of Maryland. Limit, as fast as required. Forfeit, \$10. Plans and specifications filed.

FRAME RESIDENCE
 (852) E THIRD AVE 204 N Fulton E 120xN 25. All work for two-story and basement frame residence.
 Owner.....Clara M. Boeckmann, 32 Montgomery, S. F.
 Architect...G. E. McCrea, Oakland.
 Contractor..C. M. Moore and G. E. Watson, 212 Sharon Bldg., San Francisco.
 Filed Mar. 17, '15. Dated Mar. 10, '15.
 Rough frame up and enclosed...\$750
 Rough plastering done..... 750
 Completed and accepted..... 750
 Usual 35 days..... 750
TOTAL COST, \$3000
 Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications filed.

FRAME RESIDENCE
 (853) E THIRD AVE 179 N Fulton E 120xN 25. All work for two-story and basement frame residence.
 Owner.....Clara M. Boeckmann, 32 Montgomery, S. F.
 Architect...G. E. McCrea, Oakland.
 Contractor..C. M. Moore & G. E. Watson, 212 Sharon Bldg., S. F.
 Filed Mar. 17, '15. Dated Mar. 10, '15.
 Frame up and enclosed.....\$750
 Rough coat plaster on..... 750
 Completed and accepted..... 750
 Usual 35 days..... 750
TOTAL COST, \$3000
 Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications filed.

FRAME FLATS
 (854) E SIXTEENTH AVE 100 N Balboa N 25xE 127-6. All work for 2-story and basement frame flats.
 Owner.....Samuel L. B. W. and Ella B. Randolph, Union Trust Co., San Francisco.
 Architect...Chas. C. Frye, 20 Montgomery, San Francisco.
 Contractor..Jas. P. Fletcher, 110 Jessie, San Francisco.
 Filed Mar. 17, '15. Dated Mar. 15, '15.
 Frame up\$1000
 Brown coated 1000
 Standing finish on..... 1000
 Completed and accepted..... 1050
 Usual 35 days..... 1350
TOTAL COST, \$5400
 Bond, \$5400. Surety, Massachusetts Bonding & Insurance Co. Limit, 90 days. Forfeit, \$5. Plans and specifications filed.

SPRINKLER SYSTEM
 (855) SW EDDY AND HYDE W 137-6 xS 137-6. Tanks, sprinkler heads, water supply, alarm, steamer box and painting for complete automatic

sprinkler system for one-story Class "C" building.
 Owner.....W. E. Dean, 905 Kohl Bldg., San Francisco.
 Architect...Cunningham & Politeo, 1st National Bank Bldg., S. F.
 Contractor..Pacific Fire Extinguisher Co., 507 Montgomery, S. F.
 Filed Mar. 17, '15. Dated Mar. 10, '15.
 On 1st and 15th of each month 75%
 Usual 35 days..... 25%
TOTAL COST, \$2550
 Bond, \$1275. Surety, Hartford Accident & Indemnity Co. Limit, 20 days. Forfeit, \$20. Plans and specifications filed.

FRAME RESIDENCE
 (856) E EIGHTEENTH AVE 175 S Geary S 25xE 120. All work except gas and electric fixtures for two-story frame residence.
 Owner.....W. H. Sale.
 Architect...None.
 Contractor..Thos. Hamill, 268 25th Ave San Francisco.
 Filed Mar. 17, '15. Dated Mar. 8, '15.
 Rough frame up and roof on...\$687.50
 Brown coated 687.50
 Completed and accepted..... 687.50
 Usual 35 days..... 687.50
TOTAL COST, \$2750.00
 Bond, none. Limit, 70 days. Forfeit, none. Plans and specifications filed.

BRICK AND FRAME FLATS
 (857) E BARTLETT 190 S 21st S 25x E 90. All work except plumbing, gas fitting and sewerage for three-story brick and frame flats.
 Owner.....Walter R. Pease, 310 California, San Francisco.
 Architect...T. Paterson Ross, 310 California, San Francisco.
 Contractor..John E. Beck, 110 Jessie, San Francisco.
 Filed Mar. 17, '15. Dated Mar. 8, '15.
 2nd story joists in place.....\$1000
 Roof on 1000
 Brown coated 1000
 Completed and accepted..... 1061
 Usual 35 days..... 1360
TOTAL COST, \$5421
 Bond, \$2800. Sureties, P. P. Quinn and John Flaherty. Limit, 90 days from filing. Forfeit, none. Plans and specifications filed.

(858) PLUMBING, GAS FITTING AND sewerage on above.
 Contractor..F. E. Hooper, 3606 20th, San Francisco.
 Filed Mar. 17, '15. Dated Mar. 8, '15.
 Roughed in\$250
 Completed and accepted..... 252
 Usual 35 days..... 175
TOTAL COST, \$677.50
 Bond, \$339. Sureties, Chas. Selinger and Chas. H. Linn. Limit, as fast as possible. Forfeit, none. Plans and specifications filed.

ALTERATIONS
 (859) NO. 145 EDDY. Alter store.
 Owner.....Martin F. Ross, Premises.
 Architect...None.
 Contractor..Brunswick, Balke, Collender Co., 18 5th, S. F.
COST, \$450

BRICK TENEMENTS
 (860) W HYDE 100-6 S Ellis. Four-story and basement brick tenements.
 Owner.....O. C. Holt, 110 Jessie, S. F.
 Architect...Herman Barth, 12 Geary, San Francisco.
 Day's work. **COST, \$25000**

ALTERATIONS
 (861) NO. 4315 TWENTY-FOURTH. Minor alterations and repairs.
 Owner.....Vincent Beretta, 4100 24th, San Francisco.
 Architect...None.
 Day's work. **COST, \$400**
ALTERATIONS
 (862) NO. 763 MARKET. Alter interior.
 Owner.....C. Smith, Premises.
 Architect...None.
 Contractor..M. Fisher, 105 Montgomery San Francisco.
COST, \$400

FRAME FLATS
 (863) S UNION 45-6 E Larkin. Three-story and basement frame (3) flats.
 Owner.....Andrew & Clorinda Cuneo, 1723 Stockton, S. F.
 Architect...None.
 Day's work. **COST, \$5975**

ALTERATIONS
 (865) NO. 477 OAK. Alter flats.
 Owner.....Mary C. Hueter, Care Architect.
 Architect...O. R. Thayer, 20 Montgomery, San Francisco.
 Contractor..McMullin-von Voorhies, 110 Jessie, S. F.
COST, \$900

FRAME DWELLING
 (865) S GREENWICH 125 W Steiner. One-story and basement frame dwlg.
 Owner.....Alex Rovere, 2335 Greenwich, San Francisco.
 Architect...None.
 Day's work. **COST, \$500**

FRAME DWELLING
 (866) NO. 946 PLYMOUTH. One-story and basement frame dwelling.
 Owner.....H. Johns, 1903 Baker, S. F.
 Architect...None.
 Day's work. **COST, \$1500**

FRAME RESIDENCE
 (867) E TWENTY-NINTH AVE 150 N Anza N 25xE 120. All work for two-story frame residence and garage.
 Owner.....Thos. F. Burke, 1270 Fell, San Francisco.
 Architect...None.
 Contractor..George F. Cleese, 524 27th Ave., San Francisco.
 Filed Mar. 18, '15. Dated Mar. 18, '15.
 Frame up\$707.50
 Brown coated 707.50
 Completed and accepted..... 707.50
 Usual 35 days..... 707.50
TOTAL COST, \$2830.00
 Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications filed.

FRAME RESIDENCE
 (868) E TWENTIETH AVE 246 S Lake E 120xS 26. All work except plumbing, painting, heating, light fixtures, and shades for two-story, attic and basement frame residence.
 Owner.....Solomon Bibb, 312 Maple, San Francisco.
 Architect...Henry Shermund, Mills Bldg., San Francisco.
 Contractor..F. H. Boring, San Mateo, California.
 Filed Mar. 18, '15. Dated Mar. 15, '15.
 Rough frame completed....\$1197.75
 Rough plastering completed 1197.75
 Finish coat plaster on and mill work delivered on job..... 1197.75
 Completed and accepted..... 1197.75

Usual 35 days..... 1597.00
TOTAL COST, \$6388.00
Bond, \$3195. Surety, American Surety Co. Limit, 90 days from filing. Forfeiture, \$10. Plans and specifications filed.

FRAME DWELLING

(869) E BERLIN 175 N Wayland
One-story and basement frame dwlg.
Owner.....Frank Scrivani, 419 Berlin
San Francisco.
Architect...None.
Contractor...Mario A. Perini, 500 Berlin,
San Francisco.
COST, \$1600

ALTERATIONS

(870) NO. 70 CENTRAL AVE. Alter
dwelling.
Owner.....Henry Pelz, Premises.
Architect...None.
Day's work. COST, \$450

ALTERATIONS

(871) NOS. 2544-2546 GREENWICH.
Alter garage.
Owner.....Ray Bacchi, 2221 Green-
wich, San Francisco.
Architect...None.
Contractor...A. Sarini, 32 Moultrie,
San Francisco.
COST, \$450

TRESTLES

(872) TWENTIETH AND MICHIGAN.
Construct trestles for ship crane.
Owner.....Union Iron Works, Prem.
Architect...None.
Contractor...Healy Tibbitts Co., 9 Main
San Francisco.
COST, \$60,000

FRAME DWELLING

(873) N ANZA 107-6 W 24th Ave. Two
story and basement frame dwelling.
Owner.....Jos. Tognetti, 781 Steven-
son, San Francisco.
Architect...Plans by owner.
Day's work. COST, \$2000

ALTERATIONS

(874) W NINETEENTH AVE 175 N
Anza. Alter and add to dwelling.
Owner.....H. A. Schram, 467 19th
Ave., San Francisco.
Architect...None.
Contractor...A. W. MacKillop, 579 39th
Ave., San Francisco.
COST, \$1565

STEEL STATION

(875) NE GREAT HIGHWAY AND
Irving. One-story steel station.
Owner.....Omen Oil Co., Larkin and
Golden Gate Ave., S. F.
Architect...O'Brien Bros., 240 Mont-
gomery, San Francisco.
Day's work. COST, \$400

BRICK GARAGE

(876) S BUSH 137-6 W Montgomery
W 70xS 137-6. Lumber, labor, car-
penter, mill, glass, glazing, stairs,
marble, tiling, rough and finish hard-
ware, galvanized iron, tin, roofing,
plastering, painting and electric work
for two-story brick garage.
Owner.....Shiels Estate Co., 68 Post,
San Francisco.
Architect...T. Paterson Ross, 310 Cal-
ifornia, San Francisco.
Contractor...Ira W. Coburn, 180 Jessie,
San Francisco.
Filed Mar. 19, '15. Dated Mar. 17, '15.
2nd story joists in place.....\$3000
Completed and accepted..... 3050

Usual 35 days..... 2050
TOTAL COST, \$8100
Bind, \$4050. Sureties, T. P. S. Brown
and John W. Hatch. Limit, 60 days
after notification. Forfeiture, \$25. Plans
and specifications filed.

(877) EXCAVATION AND CONCRETE

on above.
Contractor...Richard J. H. Forbes, Mo-
naddock Bldg., S. F.
Filed Mar. 19, '15. Dated Mar. 17, '15.
1st and 15th of each month.... 75%
Usual 35 days, 25%.....\$296.25
TOTAL COST, \$1985.00

Bond, \$993. Sureties, John Cassaretto
and R. Dewar. Limit, 60 days from
filing. Forfeiture, \$25. Plans and speci-
fications filed.

(878) PLUMBING, GASFITTING AND

sewering on above.
Contractor.....S. Petersen & Son,
2337 Fillmore, S. F.
Filed Mar. 19, '15. Dated Mar. 17, '15.
Roughed in\$400
Completed and accepted..... 317
Usual 35 days..... 250
TOTAL COST, \$967

Bond, \$484. Sureties, H. P. Peterson
and Albert E. Kern. Limit, fast as
possible. Forfeiture, \$25. Plans and
specifications filed.

(879) BRICK WORK ON ABOVE.

Contractor...H. H. Larsen & Bro., 62
Post, San Francisco.
Filed Mar. 19, '15. Dated Mar. 17, '15.
1st and 15th of each month.... 75%
Usual 35 days, 25%.....\$848.75
TOTAL COST, \$3395.00

Bond, \$1700. Surety, Maryland Casu-
alty Co. Limit, 14 days after notifi-
cation. Forfeiture, \$25. Plans and speci-
fications filed.

(880) STEEL AND CAST IRON

work and erecting of same, anchors,
bond iron, pipe casings, and post
caps on above.
Contractor...Pacific Rolling Mill Co.,
Sharon Bldg., S. F.
Filed Mar. 19, '15. Dated Mar. 17, '15.
Steel erected\$1000
2nd story erected..... 1000
Completed and accepted..... 1100
Usual 35 days..... 1050
TOTAL COST, \$4150

Bond, \$2100. Sureties, H. F. Hedrick
and A. D. Coutts. Limit, 45 days from
filing. Forfeiture, \$25. Plans and speci-
fications filed.

(881) DIRECT CONNECTED ELEC-

tric elevator on above.
Contractor...Spencer Elevator Co., 128
Beale, San Francisco.
Filed Mar. 19, '15. Dated Mar. 17, '15.
Elevator in operation..... 75%
Usual 35 days, 25%\$621.25
TOTAL COST, \$2485.00

Bond, \$1243. Surety, Maryland Casu-
alty Co. Limit, 30 days after notifica-
tion. Forfeiture, \$25. Plans and speci-
fications filed.

CLASS "C" APARTMENTS

(882) N O'FARRELL 74 W Larkin W
63-6xN 120. All work for four-story
reinforced concrete frame Class "C"
apartments.
Owner.....Hermine Ludemann and
Marie Schumacher, 1081
Park Ave., Alameda.
Architect...William Wilde, Albany
Block, Oakland.

Contractor...J. B. Reite, 110 Jessie,
San Francisco.
Filed Mar. 19, '15. Dated Mar. 17, '15.
As work progresses..... 75%
Usual 35 days..... 25%
TOTAL COST, \$58,000

Bond, none. Limit, 100 days from re-
cording. Forfeiture, none. Plans and
specifications filed.

FRAME DWELLING

(883) E MADRID 50 N Avalon. One-
story and basement frame dwelling.
Owner.....Henry Dobest, 189 Madrid,
San Francisco.
Architect...None.
Day's work. COST, \$800

ALTERATIONS

(884) S LOMBARD 114-6 E Divisadero
Alter dwelling.
Owner.....C. H. Delmoly, Premises.
Architect...None.
Contractor...D. Francesconi, 151 Pixley
San Francisco.
COST, \$500

ALTERATIONS

(885) NO. 520 MARKET. Alter in-
terior of store.
Owner.....Electric Supply & Repair
Co., Premises.
Architect...None.
Contractor...J. F. Nielsen, 2350 Bryant,
San Francisco.
COST, \$400

INSTALL WINDOWS

(886) NO. 1938 GREAT HIGHWAY.
Install 8 windows.
Owner.....Jas. MacLeod, 1958 Lyon,
San Francisco.
Architect...None.
Contractor...A. M. Wallen, 251 Kearny,
San Francisco.
COST, \$400

FRAME DWELLING

(887) W CURTIS 73 15-100 N Rolph.
One and one-half-story and base-
ment frame dwelling.
Owner.....Martin Smith, 114 Girard,
San Francisco.
Architect...O. Evans, 2567 Mission,
San Francisco.
Day's work. COST, \$1700

FRAME DWELLING

(888) E PRAGUE 97 N Naylor (Crock-
er Tract). One-story and basement
frame dwelling.
Owner.....J. Lessard, 222 Raymond
Ave., San Francisco.
Architect...None.
Contractor...T. H. Parry, 222 Raymond
Ave., San Francisco.
COST, \$2400

BRICK GARAGE.

(889) S GROVE 162-6 W Divisadero.
One-story brick private garage.
Owner.....J. J. Butler, 180 Jessie,
San Francisco.
Architect...None.
Day's work. COST, \$4000

FRAME DWELLING

(890) W DARMOUTH 150 S Woolsey.
One-story and basement frame dwlg.
Owner.....Harry Gooltz, 1692 Post,
San Francisco.
Architect...None.
Day's work. COST, \$1400

FRAME DWELLING

(891) W SIXTEENTH AVE 200 N Balboa. Two-story and basement frame dwelling.

Owner.....Costello & Ferrick, 93 College Ave., San Francisco.

Architect...None.

Day's work. COST, \$2900

FRAME DWELLING

(892) N SEVILLE 164.539 E Naples Crocker-Amazon Tract). Two-story and basement frame dwelling.

Owner.....Jos. P. Alexander.

Architect...Oliver Evans, 2567-A Mission, San Francisco.

Day's work. COST, \$2000

BRICK RESIDENCE

(893) — BROADWAY 276-9 W Baker. Excavation, grading, foundation, retaining walls, concrete and cement work for three-story and basement brick residence.

Owner.....Sidney. M. Ehrman, 2400 Steiner, San Francisco.

Architect...Lewis P. Hobart, Crocker Bldg., San Francisco.

Contractor...Barrett & Hilp, Sharon Bldg., San Francisco.

Filed Mar. 20, '15. Dated Mar. 19, '15.

on 15th of each month..... 75%
Usual 35 days..... 25%

TOTAL COST, \$7345

Bond, \$3745. Surety, Pacific Casualty Co. Limit, May 1, 1915. Fofeit, none. Plans and specifications filed.

CESSATION OF LABOR.

Mar. 19, 1915—W NOE 125 N 18th 25x125. Emma Munro to J M Bailey
Work ceasedFeb. 1, 1915

INCORPORATIONS

Owen Registered Hog and Cattle Association. General live stock business. Capital Stock, \$250,000; 250,000 shares at \$1 each; amount subscribed, \$3. Place of business, San Francisco. Directors—C. H. Owen, C. Lubbe and V. B. Gundy, 1 share each.

"Miriam Mining Company." General mining and milling. Capital Stock, \$100,000; 100,000 shares at \$1 each; amount subscribed, \$3. Place of business, San Francisco. Directors—C. M. Belshaw, W. D. Bannister, C. C. Gross, 1 share each.

NOTICE OF NON-RESPONSIBILITY.

Mar. 17, 1915—E EIGHTEENTH AVE 225 S Geary S 50x E 120. Gustave Moeller as to improvements on leased property

Mar. 16, 1915—NOS. 145 AND 147 Eddy, bet. Mason and Taylor. Gas and Adolph K Marshall as to improvements on leased property...

Mar. 15, 1915—NW STOCKTON AND O'Farrell N 137-6xW137-6. Hyman Bros Co as to improvements on leased property

Mar. 29, 1915—BLK BDED BY VAN Ness Ave, Bay, Folk and Francisco. Star Investment Co, cpn, Hobart Estate Co. and United Railroads of S. F. as to improvements on leased property

LEASES

Mar. 16, 1915—NO. 1402 MARKET. Grand Central Investment Co to John S Hand. 2 years. \$600.

Mar. 20, 1915—S EDDY 157-6 E Mason E 68-9 S 145 m or l to Market SW 55 m or l N 194-1½. Anna R and D D Oliphant, Trs David D Oliphant, Jr. to James Hansen. June 21, 1919. \$2988.90 month, etc., and option to renew.

COMPLETION NOTICES.**San Francisco**

Mar. 13, 1915—N POST 50 W Larkin — 50 N 120 E 50 S 120. J H Keefe to James F Smith.....Mar. 3, 1915

Mar. 13, 1915—SE PINE AND JONES 37-6 on Jones and 87-6 on Pine. Theo E Rulfs to Wm Heidenreich.March 11, 1915

Mar. 13, 1915—LOT 25 BLK 138 O'Neill & Haley Tct. Nathan Levy to Michael Eiberger....Mar. 11, 1915

Mar. 13, 1915—N JASPER PLACE 93-1½ N Green and lot adj on E of Jasper Place 115-4½ N Green. Felice Toriggino to G Martinelli, Dec 5, 1914; Joseph Farrara & Co, Mar. 9, 1915; A Curran....Mar. 6, 1915

Mar. 13, 1915—S LOMBARD 99-6 W Powell W 38xS 137-6. Hugh McKevitt to whom it may concern.March 12, 1915

Mar. 15, 1915—EXPOSITION SITE. The Republic of France to Lindgren Co.....Mar. 15, 1915

Mar. 15, 1915—SE CHENERY AND 30th S 28-6 by uniform depth of 50 feet. The Schrader Estate Co to A Klahn & Son.....Mar. 12, 1915

Mar. 15, 1915—NE THIRD 100 SE Bryant SE 47-6xNE 76. S F Investment Corp to Chas Kern Co and Jas H Pinkerton....Mar. 6, 1915

Mar. 15, 1915—E SIXTEENTH AVE 275 S Anza S 75x E 127-6. S M or Stephen M Beede to James WelshFeb. 26, 1915

Mar. 15, 1915—NW BUSH & GOUGH 30 on Gough and 110 on Bush. Rebecca C Tucker to Ira W CoburnMarch 10, 1915

Mar. 16, 1915—E TWENTY-FIFTH Ave 225 N Anza N 25x E 120. Frank Lapham to R E Lapham....Mar. 15, '15

Mar. 16, 1915—NW TONQUIN AND Scott W 80xN 350. Panama-Pacific International Exposition Co to Duncanson-Harrelson Co....Mar. 15, '15

Mar. 16, 1915—SE COLERIDGE 200 NE Virginia Ave NE 25xSE 70 Lot 176 Gift Map 3. Hannie I Connolly to whom it may concern....Mar. 15, 1915

Mar. 16, 1915—NE SIXTEENTH AND Capp N 90x E 150. S F Labor Council Hall Ass'n to Newsom-Wold-Kohn Co.....Mar. 9, 1915

Mar. 16, 1915—EXPOSITION SITE. California Concessions Co to E W McConnell (Dreadnaught)

Mar. 16, 1915—EXPOSITION SITE. California Concessions Co to E W McConnell (Creation)....Mar. 13, 1915

Mar. 16, 1915—EXPOSITION SITE. Cardinell-Vincent to L A Hinson.....March 6, 1915

Mar. 17, 1915—SE GREENWICH AND Hyde S 68-9x E 100. Greenwich Realty Co to W G Gilmore.....March 15, 1915

Mar. 17, 1915—E THIRD AVE 154 N Fulton N 25x E 120. Leon E Prescott, Agent, to H E and T W MacArthur.....Mar. 11, 1915

Mar. 17, 1915—EXPOSITION SITE. Panama-Pacific International Exposition Co to McLeran & Peterson

.....March 16, 1915
Mar. 17, 1915—NW POLK AND CALIFORNIA W 56-3 N 87-6 W 25 N 25 E 81-3 S 112-6. The Bradbury Est Investment Co and Mary M Bradbury to H Maundrell, Mar. 16; Musto Sons-Keenan Co, Mar. 10; Marshall & Stearns Co, Mar. 13; California Plate & Window Glass Co.....Mar. 12, 1915

Mar. 17, 1915—DRIVING PILES AT Pier 34 on E East opp junction of S Beale and E Brannan. Western Pacific Railway Co to Hyde Harjes & Co.....Mar. 16, 1915

Mar. 17, 1915—LOT 11 BLK 3 Faira Sub Holly Park Tract. George H Anderson to N F Nilsson....Mar. 16, '15

Mar. 17, 1915—W PARIS 125 N Geneva Ave N 25x100. Fred Buehn to W F Dulfer.....Mar. 4, 1915

Mar. 17, 1915—W COMMONWEALTH 225 N Geary N 40xW 120. Edwin S Newman to Thomas Elam & Son.....Mar. 12, 1915

Mar. 18, 1915—COMG. AT PT DISTANT SW 128.70 measured along said line from NW corner Blk 33 West End Map No. 1 th NW at r a to Delano Ave 78 SW 25 to dividing line bet Lots 2 and 3 in said Blk 33 SE along said dividing line 78 NE 25 ptn Lot 2 Blk 33 West End Map No. 1. A R Larsen or Larson to whom it may concern....Mar. 18, '15

Mar. 18, 1915—W POWELL 69-3 N Union N 34-3xW 137-6. G B Celle and P Sanguinetti to F C AmorosoMar. 18, 1915

Mar. 18, 1915—E EIGHTEENTH AVE 200 N Balboa N 25x E 120. Morris Fox to Schwarz & Fox....., 1915

Mar. 18, 1915—E VALENCIA 130 N 26th N 65x E 117-6. Charles Warren Welch Estate Co to S B Kress.....March 16, 1915

Mar. 18, 1915—SE MARKET 100-0% NE Seventh NE 50-0% SE 165 SW 50-0% NW 165. James D Phelan to Pacific Fire Extinguisher Co.March 12, 1915

Mar. 19, 1915—EXPOSITION SITE. General Electric Co to Dunnivant-Houghton-Van Sant, Inc.....March 10, 1915

Mar. 19, 1915—NW CALIFORNIA & Pierce N 265-2½ W 206-3 S 265-2½ E 206-3. K D Winship to Brandt & Stevens.....Mar. 9, 1915

Mar. 19, 1915—SW COTTER 425 NW Mission NW 25xSW 100. Michael McDonough and Lawrence Costello to whom it may concern....Mar. 19, '15

Mar. 19, 1915—E LEXINGTON 125 S Howard. M J Hynes to Geo D Gilmour.....Mar. 11, 1915

Mar. 19, 1915—LOT 8 BLK 19, Crocker-Amazon Tract. H Dieckmann to J M Burns.....Mar. 19, 1915

Mar. 19, 1915—S JACKSON 65 E Front E 39-8xS 60. May B Angus to whom it may concern....Mar. 18, '15

Mar. 19, 1915—N TWENTY-FOURTH 55 W Shotwell W 38xN 90. William Sicotte to Wm C Hamerton & Son.....Mar. 18, 1915

Mar. 19, 1915—N TURK 171-10½ E Taylor E 34-4½xN 137-6. Zellerbach-Levison Co to The Gas & Elec Appliance Co, Phillip A Bell and Christian T Jacobsen.....Mar. 9, 1915

Mar. 19, 1915—EXPOSITION SITE. (Race Track Grand Stand No. 3). Panama-Pacific International Exposition Co to McSheehy Bros.....March 17, 1915

Mar. 19, 1915—E LANGTON 125 S Howard. M J Hynes to Geo D Gil-mour.Mar. 11, 1915
Mar. 20, 1915—S CLAY 85 E Franklin E 39-3 S 127-8 1/4 W 37-3 N 27-8 1/4 W 2 N 100. Mrs S Morris to John E Beck.Mar. 13, 1915
Mar. 20, 1915—EXPOSITION SITE. The Netherlands Pavilion-Panama-Pacific International Exposition Co. to Judson McFell and F W Watts and McFell Elec Co.Mar. 19, 1915
Mar. 20, 1915—EXPOSITION SITE. Nippon Kyosan Kaisha to Dunnavant-Houghton-Van Sant, Inc.
.....March 15, 1915
Mar. 20, 1915—N IRVING 70 E 9th Ave E 50xN 100. Eugene P Egan to A J De Rutte.Mar. 13, 1915
Mar. 20, 1915—W TWENTIETH AVE 275 S Geary S 25xW 120. Alfred Johnson to whom it may concern.March 20, 1915
Mar. 20, 1915—N CLEMENT, bet. 7th and 8th Aves; No. 622 Clement. Leo Elum to John V Stiefel.Mar. 15, 1915
Mar. 20, 1915—N TWENTIETH 25 E Collingwood 25x75. John H and Caroline F Palmer to Mc Causland Bros.Mar. 17, 1915
Mar. 20, 1915—SE CITY HALL AVE 73-1 1/2 NE Larkin SE 100 NE 50 NW 86.75 W 22.671 SW \$1.604; S Grove 22.672 E from SE City Hall Ave SE 86.75 NE 25 NW 68.743 W 30.81. H W and C H Westphal, Otto F Westphal, Edie W Gonzales and E W Westphal to Gustave Anderson.March 12, 1915
Mar. 20, 1915—SW BAKER & LOMBARD 30-6 on Lombard by 87-6 on Baker. Fred Peterson to Alex Mac-Killop.Mar. 20, 1915

LIENS FILED

SAN FRANCISCO COUNTY.

Mar. 12, 1915—E TWELFTH AVE 250 S Cabrillo S 25xE 120. Friedman Bros vs A Hanley and W A Savage.\$44.50
Mar. 12, 1915—NE GENEVA AVE & Huron 100 m or l on Geneva Ave and 30 on Huron. No. 32 Huron. John Cerda vs Louis Battaini.\$37.50
Mar. 13, 1915—EXPOSITION SITE. Richard Lynch vs Wm Schwingen & Co, Lange & Bergstrom, Supt of Constr. of Pennsylvania Bldg and Panama-Pacific International Exposition Co.\$191.70
Mar. 13, 1915—EXPOSITION SITE. The Hill Bros Co vs Young's Restaurant Co and Panama-Pacific International Exposition Co.\$385.50
Mar. 15, 1915—LOT 25 BLK 138 O'Neill & Haley Tract. J M Enyeart vs Nathan Levy and Michael Elberger.\$100
Mar. 16, 1915—E SHOTWELL 95 N 20th N 34xE 122-6. Thomas W Morgan vs Alfred and Julia L Penzel.\$32
Mar. 16, 1915—E TWENTY-FIRST Ave 281 N California N 25xE 120. Daniel H Rhodes vs Emma L Frederique.\$91.20
Mar. 17, 1915—S BUSH 93-9 W Lyon W 33-2 1/4 S 85-9 3/4 W 51-5 1/2 S 25 E 51-5 1/2 S 26-8 1/4 E 33-2 1/2 N 137-6. John Quadt vs Sophia Daggett and James F Neall.\$415.57
Mar. 17, 1915—EXPOSITION SITE. The Hill Bros Co vs Young's Restaurant Co and Panama-Pacific International Exposition Co.\$385.50
Mar. 17, 1915—E TWENTY-FIRST

Ave 281 N California N 25xE 120. C D Lieb (as Eagle Electric Co) vs Emma L Frederique.\$122.50
Mar. 17, 1915—E TWENTY-FIRST Ave 281 N California N 25xE 120. Geo W Peek vs E L Frederique and W A Savage.\$13.50
Mar. 18, 1915—E TWENTY-FIRST Ave 281 N California N 25xE 120. Olson-Mahony Lumber Co, \$860.63; George Ryan, \$707.16 vs W A Savage and Emma L Frederique.
Mar. 18, 1915—EXPOSITION SITE. William Matthews, \$139; William Matthews, \$340 vs J W Young Restaurant Co and Panama-Pacific International Exposition Co.
Mar. 18, 1915—E TWENTY-FIRST Ave 281 N California N 25xE 120. Akard Door Opener Co vs E L Frederique and W A Savage.\$20
Mar. 19, 1915—N CALIFORNIA 137-6 E Leavenworth E 50xN 137-6. I R Kissel vs Isadore C and Martin J Heller, extras Estate Jane Lewis, dec'd, Isadore C Heller, Martin J Heller, Oscar Lewis, Michael and Annie Heller, Gussie Bennett (nee Heller), Lily Barron (nee Heller).\$217.75
Mar. 19, 1915—E TWENTY-FIRST Ave 281 N California N 25xE 120. Thomas Skelly, \$466.50; C Carnevali Marble & Mosaic Co, \$80; E Anderson, \$100; Atlas Heating & Ventilating Co, \$180 vs Emma L Frederique and W A Savage.
Mar. 19, 1915—E TWENTY-FIRST Ave 281 N California N 25xE 120. The Cobbledick-Kibbe Glass Co vs Emma L Frederique and W A Savage.\$43.44
Mar. 20, 1915—E TWENTY-FIRST Ave 281 N California N 25xE 120. Friedman Bros vs W A Savage and Emma L Frederique.\$161.35
Mar. 20, 1915—N O'FARRELL 74 W Larkin W 63-6xN 120 (to correct 68 liens 237, Recorded Jan. 23, 1915.) J S Guerin & Co vs Maria Schmacher, H W Ludemann, Hermine Ludemann, Richard Sinnott and A Sundberg.\$335.50
Mar. 20, 1915—N ELLIS 87-6 E Mason E 50xN 137-6. Edward L Soule (as Edward L Soule Co) vs Herbert C Matthews, Matthews & Randolph and A O Stewart.\$280.20
Mar. 20, 1915—N ELLIS 87-6 E Mason E 50xN 137-6. Herbert C Matthews vs A O Stewart, M Brandt and W J Stevens (as Brandt & Stevens).\$876
Mar. 20, 1915—N ELLIS 87-6 E Mason E 50 m or l by N 137-6. Trussed Concrete Steel Co vs A O Stewart, Brandt & Stevens, Matthews & Randolph & H C Matthews.\$1338.06
Mar. 19, 1915—E TWENTY-FIRST Ave 281 N California N25xE 120. Daniel W Moriarty vs Emma L Frederique.\$117.55
Mar. 20, 1915—E TWENTY-FIRST Ave 281 N California N 25xE 120. Walter Thompson vs Emma L Frederique.\$182.20
Mar. 20, 1915—E TWENTY-THIRD Ave 281 N California N 25xE 120. (as recorded). S I Volz vs W A Savage and Emma L Frederique.\$44

The value of all the gold produced in the United States from 1792 to January 1, 1914, is estimated by the United States geological survey at \$3,549,799,100; the value of the silver at \$1,709,517,600.

RELEASE OF LIENS.

SAN FRANCISCO COUNTY.

Mar. 19, 1915—SW TWENTY-SIXTH 80 W from pt formed by intersection of S 26th and W Diamond 30xS 114. M W Farrell to C G Empey Arding.

OAKLAND AND ALAMEDA COUNTY.

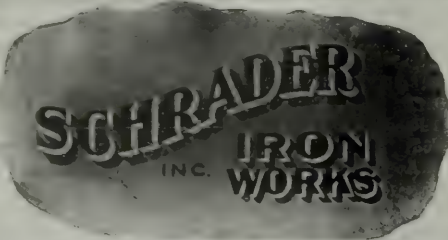
BANK ALTERATION—Class A construction, \$20,000. Oakland, Cal. Architect, Walter J. Mathews, 927 Broadway, Oakland. Owners, Union Savings Bank. This work will consist of changes in the banking rooms on the first floor and in the basement. Plans have been completed and figures are now being taken. Sub-bids only are being considered.

RESIDENCE—1 story and base, frame, \$3,000. Oakland, Cal. Architect, none. Owner, Thomas J. Oakes, 6029 Hillegass avenue, Oakland. The dwelling will be erected on the east side of Beaumont south of 38th street, and has been designed to contain six rooms, bath and sleeping porch. Interior finish will be of pine and redwood with some hardwood veneer. White enamel will be used in the bed rooms. Hardwood floors will be used in the principal rooms. There will be open fire places and tile or brick mantels. Bath room will have tile wainscot. An automatic water heater will be installed. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor.

RESIDENCE—2 story and base, frame. Cost not stated. Piedmont, Alameda Co., Cal. Architect, John Hudson Thomas, First National Bank Bldg., Berkeley. Owner, G. Ross. The dwelling has been designed for a handsome city residence and will be erected in Nova Piedmont. Interior finish will be of pine, redwood, hardwood veneer and white enamel. Hardwood floors will be used throughout. Plans provide for furnace heat and open fire places. Mantels will be of tile or brick. Tile wainscot and floors will be used in the bath rooms. An automatic water heater will be installed. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are complete and figures are now being taken.

RESIDENCES—12, 1 story and base, frame, \$2,500 to \$3,500 each. Oakland, Cal. Architect, none. Owner, C. M. MacGregor, 470 13th street. These dwellings will be erected on Millbury near Everett street, and will contain from five to six rooms with bath each. Interior finish will be of pine and redwood with some elm panels. Hardwood floors will be used in the living room and dining room. There will be open fire places and tile or brick mantels. Tile wainscot will be used in the bath rooms and kitchens. Automatic water heaters will be installed in the more expensive houses. Exteriors of the buildings will be covered with cement plaster on metal lath rustic and shingles. Plans are complete and in the hands of the owner who will do the work by Day Labor.

RESIDENCE—2 story and base, Cost, \$3,500. Oakland, Cal. Architect, Universal Drafting Bureau, 1844 5th avenue, Oakland. Owner, R. A. Mc



**Structural Steel
Contractors**

**Works at
HARRISON ST.,
bet. 8th & 9th
San Francisco**

Telephone Market 337

Williams. The dwelling will be erected on 4th avenue, between 20th and 21st streets, and has been designed for a seven-room house with bath and sleeping porch. Interior finish will be of pine and redwood with some hardwood veneer and white enamel in the bed rooms. Hardwood floors will be used in the living room, dining room and reception hall. Plans provide for furnace heat and open fire places. Mantels will be of tile or brick. Tile wainscot will be used in the bath room and kitchen. An automatic water heater will be installed. Exterior of the building will be covered with cement plaster on metal lath. Plans are now being completed and the work will be done by Day Labor.

RESIDENCE—2 story and base, frame, \$6,500. Oakland, Cal. Architect, Charles W. McCall, Central Bank Bldg., Oakland. Owner, Wickham Havens, Inc. The dwelling has been designed for an eight-room house with two baths and sleeping porch and will be erected on Mandana Boulevard. A separate garage will be erected on the property. Interior of the dwelling will be finished in pine and redwood with some hardwood veneer and white enamel. Hardwood floors will be used in the living room and dining room and reception hall. There will be furnace heat and open fire places. Mantels will be of tile or brick. Tile wainscot will be used in the bath room and kitchen. Plans provide for an automatic water heater. Both dwelling and garage will be covered with cement plaster on metal lath. Plans are now ready for figures and bids will be taken by the architect.

RESIDENCE—2 story and base, frame, \$6,000. Oakland, Cal. Architects, Hutchinson & MacLean, 470 13th street, Oakland. Owner's name withheld. The dwelling will be erected in East Piedmont Heights and has been designed for an eight-room house with two baths and sleeping porch. Interior finish will be of pine and redwood with white enamel in the bed rooms. Plans provide for furnace heat and open fire places. Mantels will be of tile or brick. Tile wainscot will be used in the bath room. There will be an automatic water heater. A separate garage will be erected in the rear of the property. Exterior of the dwelling and the garage will be covered with cement plaster on metal lath. A clay tile roof will be used on the dwelling. Plans are being prepared.

RESIDENCE—2 story and base, frame, \$4,000. Oakland, Cal. Architect, Charles W. McCall, Central Bank Bldg., Oakland. Owner, K. C. Paul. The dwelling has been designed for a seven-room house and will be erected on Lakeside avenue. Interior finish

will be of pine and redwood, with some elm panels and white enamel in the bed rooms. Hardwood floors will be used in the living room, dining room and reception hall. An automatic water heater will be installed. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are complete and figures are now being taken.

APARTMENT HOUSE—2 story and base, frame, \$10,000. Oakland, Cal. Architects, Hutchinson & MacLean, 470 13th street, Oakland. Owner's name withheld. The building will be erected on 41st street at the corner of Broadway, and has been designed to contain eight apartments of three rooms each. Interior finish will be of pine and redwood and some hardwood floors. All apartments will have wall beds and private bath rooms. Bath rooms will have tile wainscot and composition floors. Plans provide for steam heat and hot water supply. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are waiting final action of the owner. Further mention will be made of this work.

FIRE HOUSE—2 story and base, frame, \$4,000. Albany, Alameda Co., Cal. Architect not given. Owner, Town of Albany. The building will be erected at the corner of Washington and San Pablo streets and has been designed for two pieces of apparatus on the first floor and living quarters for the crew on the second floor. Interior will be finished in pine and redwood. There will be a central heating system. Exterior of the building will be faced with cement plaster on metal lath. Plans are complete and figures are now being taken. Plans and specifications can be secured from the City Clerk.

WAREHOUSE—1 story, steel and reinforced concrete. Cost not stated. Oakland, Cal. Engineer, Harbor Engineer Robert Henningsen, City Hall, Oakland. Owners, City of Oakland. The building will be erected on the quay wall between Grove and Jefferson streets, covering an area of 90 by 400 feet. There will be a complete steel frame with roof and exterior walls of corrugated asbestos sheets. No interior trim will be used. Metal window sash and frames are specified. Plans for the foundation work are complete and bids are being taken. Figures will close on March 26th. Plans for the structural steel and other portions of the work will be out within a week or ten days. Further mention will be made of the work.

WAREHOUSE AND FACTORY—4 4 story and base, reinforced concrete, \$20,000. Oakland, Cal. Architect, Louis P. Hobart, Crocker Bldg., S. F. Owners, Shredded Wheat Biscuit Company,

The building will be erected on Poplar street, covering an area of 200 by 100 feet. Construction will be fireproof throughout, with reinforced concrete walls, floors and roof slabs. Interior will be finished in pine. A large amount of special machinery will be installed which is not included in the general contract. Exterior of the building will be faced with cement plaster. There will be a gravity conveying system and two elevators, steam heat and a hot water supply. Metal window sash and frames are specified. Plans are complete and now out for figures. Bids are being taken both as a whole and segregated.

OFFICE ALTERATIONS—Class A building, \$8,000. Oakland, Cal. Architect, Hamilton Murdock, 425 Kearny street, S. F. Owners, Realty Syndicate, 1444 Broadway, Oakland. This work will consist of the rearrangement of the interior partitions on two of the floors of the building. Work will necessitate new plastering, plumbing, electric work and interior trim. Some hardwoods will be used. Plans are complete and figures have been taken. A contract will be awarded in a few days.

FLATS—2 story and base, frame, \$4,000. Oakland, Cal. Architect, W. A. Savage, 5920 California street, S. F. Owner, Rudolph Orth. The building will be erected on the south side of Yosemite street near Piedmont avenue, and has been designed to contain four small flats of four rooms each. Interior will be finished in pine with some elm panels. Hardwood floors will be used in the living and dining rooms. There will be open fire places and tile mantels. Bath rooms will have tile wainscot and composition floors. Wall beds will be used. Exterior of the building will be covered with cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor. Materials are now being purchased.

RESIDENCES—3, 1 story and base, frame, \$2,000 each. Berkeley, Alameda Co., Cal. Architect, none. Owner, J. P. Silva, 1732 7th street, Berkeley. These dwellings will be erected on property at the corner of Ashby and Sacramento streets, and each house has been designed to contain five rooms and bath. Interiors will be finished in pine and redwood. Some hardwood floors will be used. There will be open fire places and tile or brick mantels. Tile wainscot will be used in the bath rooms. Exterior will be covered with cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor.

Contracts Awarded.

GARAGE—1 story and base, brick, \$3,780. Oakland, Cal. Architect, none. Owners, City of Oakland. Contractor, A. P. Spence. Contract price, \$3,780.

LODGE HALL ALTERATIONS—Frame construction, \$4,000. Hayward, Alameda Co., Cal. Architect, C. Schwartz, Maple Court, Hayward. Owners, Eden Parlor Native Sons. The work will consist of alterations to the entrance and front portion of the Native Sons Hall. The work will require some ornamental plaster, tile wainscot and carpentry work. Plans are complete and awaiting the action of the committee.

Award Contract For Municipal Garage.

A. T. Spence Awarded Contract For Constructing One Story Brick Municipal Garage For Oakland.

Bids were received on March 17th by the Oakland City Council for constructing a one-story brick garage in the rear of the new City Hall. The contract has been awarded to A. T. Spence on his bid of \$3,780. Following is a complete list of the bids received:

Municipal Garage.

Arthur Heydenaber	\$4,700.00
Fletcher & Wilund.....	3,821.00
C. J. Allen.....	4,185.00
A. T. Spence.....	3,780.00
Porter Bros.....	4,225.00
Powell Bros. Constr. Co.....	3,821.50
Larkin & Steele.....	4,545.00
D. M. Etter	4,198.00
J. N. Smith.....	4,395.00

Building Contracts Awarded.

Oakland.

No.	Owner.	Contractor	Amt.
420	Kolen	Kolen	1500
421	Carlson	Johnson	1800
422	Tudhope	Tudhope	2360
423	Sec Investors	Gushe	2630
424	Johnson	Hammerberg	1570
425	Frese	Grosse	4325
426	MacGregor	Owner	2500
427	Same	Same	2500
428	Same	Same	2500
429	Same	Same	2500
430	Lee	Pearce	1300
431	Ehrenpfordt	Bruecker	700
432	Smith	Smith	1800
433	Westlake	Westlake	400
434	Oakes	Oakes	3000
435	Brown	Arlett	20000
440	Blackman	Taylor	1000
441	Bell	Stewart	2500
443	McArthur	McArthur	2000
444	Same	Same	2000
445	Coleman	Rogers	1000
446	Okd Yacht	Owner	400
447	Frese	Grosse	4000
448	Same	Same	350
449	De Cassia	Gunn	3000
450	Fogg	Larmer	6500
451	Robertson	Haley	15000
452	O'Connell	Strum	3743
453	Harrold	Doell	1309
455	Blake	Abrahamson	2972
457	Glantz	Glantz	1600
458	Collins	Collins	2500
459	Gustafson	Gustafson	2500
460	Hewitt	Gruener	5000
461	Janssen	Hartwig	3000
465	Stubbe	Stubbe	4500
471	Cords	Cords	1500
472	Picard	McNabb	3000
473	Green	Taylor	3500
474	Swalley	Swalley	5000
475	Johnson	Johnson	1000
476	Johnson	Johnson	1800

DWELLING

(420) W BRUCE 33 1/2 S E-32nd, Oakland. One and one-half-story five-room dwelling.
Owner.....O. C. Kolen, 2853 Vallecito Place, Oakland.
Architect...None.
Day's work. COST, \$1500

DWELLING

(421) E ADELIN 200 N 57th, Oakland. One-story 5-room dwelling.
Owner.....Ed. Carlson, 1820 Fairview Oakland.
Architect...None.
Contractor..W. Johnson, 3228 Adeline, Oakland.
COST, \$1800

DWELLING

(422) SW FORTY-SECOND AND Manila Ave., Oakland. One-story 6-room dwelling.
Owner.....George V. Tudhope, 4108 Emerald, Oakland.
Architect...None.
Day's work. COST, \$2360

PLUMBING

(423) E ALICE 430 S 19th, Oakland. Plumbing for four-story and basement brick apartments.
Owner.....Security Investors Realty Co. by J. Meyer, Agent.
Architect...None.
Contractor..Gushe & Picard, 2012 Lorena, Berkeley.
Filed Mar. 15, '15. Dated Mar. 12, '15.
After 10 days work.....\$100
After 6 more days work.....100
After 6 more days work.....100
After 6 more days work.....100
Roughing in completed.....
Usual 35 days.....Balance
TOTAL COST, \$2630
Bond, \$1315. Sureties, Edward Sommarstrom and Jaca E. Many. Limit, forfeit, plans and specifications, none.
NOTE:—Owner pays for materials.

DWELLING

(424) S FIFTIETH 50 W Manila Ave., being W 35 Lot 6 Blk "F" J. W. Crawford Tract, Oakland. All work for one-story 5-room dwelling.
Owner.....Maurice L. Johnson, 1519 Alice, Oakland.
Architect...None.
Contractor..Albert Hammerberg 3228 Adeline, Berkeley.
Filed Mar. 15, '15. Dated Mar. 8, '15.
Brown coated\$570
Interior carpenter wk completed 500
Completed500
TOTAL COST, \$1570
Bond, none. Limit, 60 days after March 10. Forfeit, \$5. Plans and specifications, none.

DWELLING AND GARAGE

(425) LOT 91 Map Piedmont-by-the-Lake, Oakland. All work for one-story 5-room dwelling and garage.
Owner.....Carl J. Frese, Oakland.
Architect...None.
Contractor..P. J. Grosse, 3070 Champion, Oakland.
Filed Mar. 15, '15. Dated Mar. 15, '15.
Frame up 1/4
Plastered 1/4
Completed 1/4
Usual 35 days..... 1/4
TOTAL COST, \$4325
Bond, none. Limit, 60 days after Mar. 17. Forfeit, plans and specifications, none.

DWELLING

(426) N E-THIRTY-EIGHTH 90 E Everett, Oakland. Two-story five-room dwelling.
Owner.....C. M. MacGregor, 470 13th, Oakland.
Architect...None.
Day's work. COST, \$2500

DWELLING

(427) N E-THIRTY-EIGHTH 140 E Everett, Oakland. Two-story five-room dwelling.
Owner.....C. M. MacGregor, 470 18th, Oakland.
Architect...None.
Day's work, COST, \$2500

DWELLING

(428) NE E-THIRTY-EIGHTH AND Everett, Oakland. Two-story five-room dwelling.
Owner.....C. M. MacGregor, 470 13th, Oakland.
Architect...None.
Day's work. COST, \$2500

DWELLING

(129) N E-THIRTY-EIGHTH 50 E Everett, Oakland. Two-story five-room dwelling.
Owner.....C. M. MacGregor, 470 13th, Oakland.
Architect...None.
Day's work. COST, \$2500

DWELLING

(430) W BARGAIN 200 S Allendale Ave., Oakland. One-story 4-room dwelling.
Owner.....Rebecca Lee, 2636 38th Ave., Oakland.
Architect...None.
Contractor..J. C. Pearce, 6932 Lockwood, Oakland.
COST, \$1300

GARAGE

(431) S THIRD 75 W Harrison, Oakland. Garage.
Owner.....F. Ephrenfordt, 976 18th, Oakland.
Architect...None.
Contractor..J. H. Bruecker, 1326 E-12th, Oakland.
COST, \$700

DWELLING

(432) N BROOKDALE 100 E Courtland Ave., Oakland. One-story six-room dwelling.
Owner.....O. G. Smith, 4402 Brookdale Ave., Oakland.
Architect...None.
Day's work. COST, \$1800

ALTERATIONS

(433) NO. 811 ELEVENTH, Oakland. Alterations.
Owner.....B. F. Westlake, Premises.
Architect...None.
Day's work. COST, \$400

DWELLING

(434) E BEAUMONT 160 N E-38th, Oakland. One-story six-room dwlg.
Owner.....Thos. J. Oakes, 6029 Hille-gass Ave., Oakland.
Architect...None.
Day's work. COST, \$3000

BRICK STORES

(435) NE TWENTY-THIRD AND Broadway, Oakland. One-story brick stores.
Owner.....Albert J. Brown, 582 13th, Oakland.
Architect...None.
Contractor..Arthur Arlett, 240 59th, Oakland.
COST, \$20,000

DWELLING

(440) N HOPKINS 140 E Maybelle, Oakland. One-story 4-room dwlg.
Owner.....Blackman Wadsworth Rity Co., 4241 E-14th, Oakland.
Architect...None.
Contractor..W. C. Taylor, 1901 69th Ave., Oakland
COST, \$1000

DWELLING

(441) E SHAFTER AVE 140 S 42nd, Oakland. One-story five-room dwlg.

Owner.....Glenn R. Bell, 8 Fairview Ave., Oakland.
 Architect...None.
 Contractor...B. A. Stewart, 616 41st, Oakland. COST, \$2500

DWELLING

(443) S FIFTIETH 191 W Lawton Ave., Oakland. One-story 5-room dwelling.

Owner.....Chas. McArthur, 382 50th, Oakland.
 Architect...None.
 Day's work. COST, \$2000

DWELLING

(444) S FIFTIETH 155 W Lawton Ave., Oakland. One-story 5-room dwelling.

Owner.....Chas. McArthur, 382 50th, Oakland.
 Architect...None.
 Day's work. COST, \$2000

ADDITION

(445) NO. 644 WEST, Oakland. Addition.

Owner.....E. Coleman, Premises.
 Architect...None.
 Contractor...Chas. Rogers, 5426 Boyd Ave., Oakland. COST, \$1000

CLUB HOUSE

(446) FOOT NINETEENTH AVE., Oakland. Club house.

Owner.....Oakland Yacht Club, Prem.
 Architect...None.
 Day's work. COST, \$400

DWELLING

(447) N WICKSON 50 W Rand Ave., Oakland. One-story 5-room dwelling.

Owner.....Carl Frese, 709 Rand Ave., Oakland.
 Architect...None.
 Contractor...P. J. Grosse, 3070 Champion, Oakland. COST, \$4000

GARAGE

(448) N WICKSON 50 W Rand Ave., Oakland. Garage.

Owner.....Carl Frese, 709 Rand Ave., Oakland.
 Architect...None.
 Contractor...P. J. Grosse, 3070 Champion, Oakland. COST, \$350

DWELLING

(449) S SIXTY-SIXTH opp. Deakin, Oakland. Two-story 8-room dwlg.

Owner.....W. C. De Cassia.
 Architect...None.
 Contractor...J. F. Gunn, 839 Isabella, Oakland. COST, \$3000

DWELLING

(450) S SANTA RAY 100 E Paloma Ave., Oakland. Two-story 10-room dwelling.

Owner.....Wm. W. Fogg, 774 13th, Oakland.
 Architect...Clay N. Burrell, Albany Block, Oakland.
 Contractor...Edw. Larmer, Boulevard Way, Oakland. COST, \$6500

FRAME STORE AND BAKERY

(451) S TWENTY-FIFTH 200 W Broadway, Oakland. Two-story frame store and bakery.

Owner.....Robertson & Losh, Cape Ann Bakery, Oakland.
 Architect...None.
 Contractor...Geo. H. S. Haley, 470 13th, Oakland. COST, \$15,000

FRAME APARTMENTS AND FLATS

(452) NW FORTY-FIRST & MONTGOMERY being Lots 53 and 54 of Re-sub Blks 10 and 11 Howe Tract and ptn Lots 1 and 25 Blk "A" Map No. 1, Highland Terrace, Oakland. Plumbing, tinning, galvanized iron work, sewer work, etc., for two-story frame apartments and two-story frame flats.

Owner.....D. F. O'Connell, 4243 Howe Oakland.
 Architect...F. D. Voorhees, Central Bank Bldg., Oakland.
 Contractor...C. L. Sturm, 407 12th, Okd. Filed Mar. 17, '15. Dated Feb. 10, '15.
 1st day of each month..... 75%
 Usual 35 days..... 25%
 TOTAL COST, \$3748

Bond, \$2000. Sureties, R. W. Kinney and Cyrus Abbott. Limit, forfeit, none. Plans and specifications filed.
 NOTE:—1st report Feb. 2, No. 160.

HEATING SYSTEM

(453) SW MANDANA BLVD AND Ashmount Ave., Oakland. Heating system for two-story and basement frame dwelling.

Owner.....H. W. and Madeline Clay Harold, 666 Vernon, Okd.
 Architect...Sidney B. Newsom, S. F.
 Contractor...Carl Doell, 467 21st Okd. Filed Mar. 17, '15. Dated Mar. 10, '15.
 Rough piping in..... ¼
 Entire system installed..... ¼
 30 days after completion..... ¼
 60 days after completion..... ¼
 TOTAL COST, \$1309

Bond, \$660. Sureties, R. W. Kinney and G. A. Scott. Limit, as soon as possible. Forfeit, none. Plans and specifications filed.

FRAME DWELLING

(455) SW TERRACE & FREDERICK S 45.59 W 107.43 N 33.78 E 108.84, Oakland. All work except plumbing, tinning, galvanized iron work, sewers, electric fixtures, finish hardware, painting and window shades for two-story and basement frame dwelling.

Owner.....Wm. H. Blake, Oakland.
 Architect...F. D. Voorhees, Central Bank Bldg., Oakland.
 Contractor...H. R. Abrahamson, 41 Laurel Ave., Oakland. Filed Mar. 17, '15. Dated Mar. 16, '15.
 1st day of each month..... 75%
 Usual 35 days..... 25%
 TOTAL COST, \$2972
 Bond, \$1500. Surety, G. Hackey. Limit, 70 days. Forfeit, none. Plans and specifications filed.

DWELLING

(457) N QUIGLEY 180 W High, Oakland. One-story 5-room dwelling.

Owner.....C. W. Glantz, 6300 44th Ave., Oakland.
 Architect...None.
 Day's work. COST, \$1600

DWELLING

(458) E PARK BLVD 75 S E-37th, Oakland. One-story 6-room dwelling

Owner.....Joe T. Collins, 825 51st, Oakland.
 Architect...None.

Contractor...Collins Bros., 825 51st, Oakland. COST, \$2500

DWELLING

(459) N TWENTY-NINTH 180 W Walsworth, Oakland. One-story 5-room dwelling.

Owner.....Alfred Gustafson, 2654 Harrison, Oakland.
 Architect...None.
 Day's work. COST, \$2500

DWELLING

(460) N WALLA VISTA 150 W Lake Shore, Oakland. Two-story and 3-room dwelling.

Owner.....R. S. Hewitt, Thomas Bldg. Oakland.
 Architect...None.
 Contractor...N. M. Gruener, Thomas Bldg., Oakland. COST, \$5000

DWELLING

(461) NE FIFTIETH AVE & FOOT-hill Blvd., Oakland. One-story six-room dwelling.

Owner.....Arthur D. Janssen, 1612 45th Ave., Oakland.
 Architect...None.
 Contractor...Carl Hartwig, 1601 51st Ave., Oakland. COST, \$3000

DWELLING

(465) W GRAND AVE 130 N Sunnyslope, Oakland. Two-story 8-room dwelling.

Owner.....R. E. Stubbe, 1209 E-19th, Oakland.
 Architect...None.
 Day's work. COST, \$4500

DWELLING

(471) E THIRTY-THIRD AVE 100 N Farnum, Oakland. One-story 4-room dwelling.

Owner.....E. Cords, 1481 34th Ave., Oakland.
 Architect...None.
 Day's work. COST, \$1500

DWELLING

(472) S HARDY 150 W Miles Ave., Oakland. One-story 5-room dwlg.

Owner.....W. H. Picard, 2138 Telegraph Ave., Oakland.
 Architect...None.
 Contractor...McNabb & King, San Leandro. COST, \$3000

DWELLING

(473) N SANTA RAY AVE 80 W Paloma, Oakland. Two-story 7-room dwelling.

Owner.....N. L. Green, Security Bank Bldg., Oakland.
 Architect...None.
 Contractor...Guy Taylor, 423 Walsworth Ave., Oakland. COST, \$3500

DWELLING

(474) E LAKE SHORE AVE 100 N Rosal Ave., Oakland. Two-story 7-room dwelling.

Owner.....H. M. Swalley, 710 Walker Ave., Oakland.
 Architect...None.
 Day's work. COST, \$5000

DWELLING

(475) E ABBEY 200 N Suter, Oakland. One-story 4-room dwelling.

Owner.....Hans Johnson, 3328 Abbey, Oakland.
 Architect...None.
 Day's work. COST, \$1000

DWELLING

(476) W MANILA AVE 155 N 41st, Oakland. One-story 5-room dwlg.
Owner.....Edw. A. Johnson, 1445 Larkin, San Francisco.
Architect...None.
Day's work. COST, \$1800

Building Contracts Awarded.

Berkeley.

No.	Owner	Contractor	Amt.
418	Underwood	Owner	1500
419	Sjoholm	Lucas	600
456	Williams	Livingston	1500
462	Union Inv	Owner	850
463	Whithaker	Anderson	2200
464	Durst	Muller	7500
466	Walsworth	Walsworth	1250
467	Same	Same	1250
468	Cheney	Pinkerton	400
469	Same	Same	400
470	Jones	Johanson	2375

DWELLING

(418) N CARLTON 160 E Mabel, Berkeley. One-story 5-room dwelling.
Owner.....C. E. Underwood, 1309 Carlton, Berkeley.
Architect...None.
Day's work. COST, \$1500

DWELLING

(419) W PIEDMONT 147.65 N Dwight Way, Berkeley. Two-story 5-room dwelling.
Owner.....Mrs. Sjoholm.
Architect...None.
Contractor..G. Lucas, 38 Shafter Ave., Oakland.
COST, \$600

DWELLING

(456) E GRANT 30 N Oregon, Berkeley. One-story 5-room dwelling.
Owner.....Mrs. E. A. Williams, Oregon near McGee, Berkeley.
Architect...None.
Contractor..W. Livingston, 2918 Ellis, Berkeley.
COST, \$1500

BRICK STORES

(462) W SAN PABLO AVE 210 S Dwight Way, Berkeley. One-story brick stores.
Owner.....Union Investment Co., 2516 San Pablo Ave., Berkeley.
Architect...None.
Day's work. COST, \$850

DWELLING

(463) E DOHR 115 S Ward, Berkeley. One-story 5-room dwelling.
Owner.....A. Whithaker, 2733 Dohr, Berkeley.
Architect...None.
Contractor..L. W. Anderson, 821 16th, Berkeley.
COST, \$2200

CLASS "C" STORES

(464) SE HARMON AND ADELINE, Berkeley. One-story Class "C" stores
Owner.....J. H. Durst, Hotel Clay, Oakland.
Architect...Clay N. Burrell, Albany Block, Oakland.
Contractor..F. A. Muller, 2811 Grove, Oakland.
COST, \$7500

DWELLING

(466) W GRANT 40 S Hearst, Berkeley. One and one-half-story five-room dwelling.

Owner.....Mrs. R. E. Walworth, 1908 Grant, Berkeley.
Architect...None.
Contractor..S. L. Walworth, 1837 Hearst Ave., Berkeley.
COST, \$1250

DWELLING

(467) SW GRANT AND HEARST, Berkeley. One and one-half-story five-room dwelling.
Owner.....Mrs. R. E. Walworth, 1908 Grant, Berkeley.
Architect...None.
Contractor..S. L. Walworth, 1837 Hearst Ave., Berkeley.
COST, \$1250

ALTERATIONS

(468) E HENRY 53 S Berryman, Berkeley. Alterations.
Owner.....Warren Cheney Co., 2133 Center, Berkeley.
Architect...None.
Contractor..J. A. Pinkerton, 1931 Berryman, Berkeley.
COST, \$400

ALTERATIONS

(469) E HENRY 110 S Berryman, Berkeley. Alterations.
Owner.....Warren Cheney Co., 2133 Center, Berkeley.
Architect...None.
Contractor..J. A. Pinkerton, 1931 Berryman, Berkeley.
COST, \$400

DWELLING

(470) W LE ROY AVE 105 N Virginia Berkeley. All work for five-room dwelling.
Owner.....Jane Kinghorn Jones.
Architect...None.
Contractor..Gustaf Johanson, 1811 Rose Berkeley.
Filed Mar. 18, '15. Dated Feb. 20, '15.
Frame up ¼
Brown coated ¼
Completed ¼
Usual 35 days..... ¼
TOTAL COST, \$2375
Bond, none. Limit, 10 days. Forfeit, none. Plans and specifications filed.

Alameda.

436	Bissell	Schwartz	3290
437	Vim Motion	Owner	400
438	Rundstrom	Rundstrom	1600
439	Roth	Roth	2000
442	Noble	Noble	1800
454	Koerber	Powell	1150

FRAME DWELLING

(436) MORTON, bet. Santa Clara and Central Aves. (as given in specifications), Alameda. One-story frame dwelling.
Owner.....L. H. Bissell, 1432 Morton, Alameda.
Architect...None.
Contractor..C. S. Schwartz, 31 Maple Court, Hayward.
Filed Mar. 16, '15. Dated Mar. 15, '15.
Frame up ¼
Plastered ¼
Completed and accepted..... ¼
Usual 35 days..... ¼
TOTAL COST, \$3290
Bond, none. Limit, forfeit, none. Plans and specifications filed.

ALTERATION

(437) NO. 1931 WEBSTER, Alameda. Alterations.

Owner.....Vim Motion Picture, Prem.
Architect...None.
Day's work. COST, \$400

DWELLING

(438) NO. 448 LINCOLN AVE., Alameda. One and one-half-story seven room dwelling.
Owner.....A. Rundstrom, Premises.
Architect...None.
Day's work. COST, \$1600

DWELLING

(439) NO. 1720 PEARL, Alameda. One-story 5-room dwelling
Owner.....Conrad Roth, 2111 Pacific Ave, Alameda.
Architect...None.
Day's work. COST, \$2000

DWELLING

(442) NO. 1641 BROADWAY, Alameda One-story 5-room dwelling.
Owner.....Geo. H. Noble, 2220 Central Ave., Alameda.
Architect...None.
Day's work. COST, \$1800

FRAME SHED

(454) SE SANTA CLARA AVE AND Oak 200 E said pt S 50 from point of beg W 50xS 41-6½, Alameda. All work for one-story frame shed.
Owner.....August H. W. Koerber, 2314 Santa Clara Ave., Ala.
Architect...None.
Contractor..Powell Bros. Constr. Co., 2708 Harrison Ave., Ala.
Filed Mar. 17, '15. Dated Mar. 17, '15.
Frame up\$575.00
Completed 287.50
Usual 35 days..... 287.50
TOTAL COST, \$1150.00
Bond, \$575. Sureties, Hugh C. Gallagher and D. M. Etter. Limit, 30 days. Forfeit, \$250. Plans and specifications filed.

COMPLETION NOTICES.

ALAMEDA COUNTY

Mar. 13, 1915—SW EIGHTH & WEBSTER 75x75, Okd. Gee Sam Kee et al to Fred Petersen, Mar. 1, 1915; John Spargo.....Mar. 1, 1915
Mar. 15, 1915—SE SANTA CLARA Ave and Broadway 41.6x502; No. 2600 Santa Clara Ave., Aya. Al J Franck to whom it may concern.....Feb. 11, 1915
Mar. 15, 1915—E MANILA AVE 40 S Clifton being Lot 27 Blk "J" Vernon Park Tract, Okd. J J Bruning to L G Geary.....Mar. 12, 1915
Mar. 16, 1915—LOT 25 BLK "B" Map No. 2, San Pablo Park, Bkly. T F Eastman to J. G Geary...Mar. 13, 1915
Mar. 16, 1915—PTN LOTS 165 & 166 Map Piedmont-by-the-Lake, Okd. J A Munro to A Peterson and J H Anderson.....Mar. 8, 1915
Mar. 17, 1915—NE GRAND AVE AND Park View Terrace, being Lots 11 and 12 Blk 17, Map Highland Sbdvn Adams' Point Pty. Okd. The Park Gate Apartments by Chas E Lange to C E Lange.....Oct. 1, 1914
Mar. 18, 1915—NE HARBOR VIEW Ave, bet Patterson & Brown Aves being Lot 42 and 15 Lot 41 Blk 6, Key Route Heights, Okd. Carl Walstrom to whom it may concern.....Mar. 13, 1915
Mar. 19, 1915—SAN JUAN AV, Thousand Oaks, Bkly. Wm J Cooper to

Alameda County, Cal. and Son
Mar. 16, 1915

LIENS FILED.

ALAMEDA COUNTY.

- Mar. 13, 1915—N WARD 186 W Ellsworth W 40 N 134-6 S 134-6 (as recorded), Bkly. F R Peake Co vs Cella A White.....\$91.10
- Mar. 15, 1915—SW NINETEENTH 368.87 NW 4th Ave SE 105 SW 125.79 SW 27.79 NW 79.38 NE 147.9, Okd. Geo H Tay Co vs Mary C Renaud and Henry T Maddern.....\$329.62
- Mar. 17, 1915—LOT 12 BLK 14 Map Town of Livermore, Livermore. R N Mason & Co vs Court Livermore No. 77, Foresters of America and Morrell & Walters.....\$93.25
- Mar. 17, 1915—LOT 12 BLK 14 Map Town of Livermore, Livermore. In-laid Floor Co vs Court Livermore No. 77, Foresters of America and C H Rasmussen.....\$78.54
- Mar. 17, 1915—LOT 12 BLK 14 Map Town of Livermore, Livermore. W A Plummer Mfg Co vs Court Livermore No. 77, Foresters of America and C H Rasmussen.....\$138
- Mar. 18, 1915—NE FIFTEENTH AND Broadway 124x100, Okd. Corbett & Bayliss vs Jas Crichton, John Yule East Bay Title Co, A S MacDougall and A P Holland.....\$88.72
- Mar. 19, 1915—LOT 1 BLK 10 Map Matthews Tract, Bkly. J W Rule vs Andrew Peterson.....\$24.90
- Mar. 19, 1915—LOT 12 BLK 14 Map Town of Livermore, Livermore. F C and H W Lassen (Lassen Bros) \$567.60; Robert Howden, \$126 vs Court Livermore No. 77, Foresters of America of Grand Court of California, Archer M Bowley, F A Lassen, M S Warden and John J Callaghan, Trustees and C H Rasmussen.....

RELEASE OF LIENS

ALAMEDA COUNTY.

- Mar. 15, 1915—NE THIRTEENTH & Jackson E 130 N 100 E 20 N 20 W 150 S 120, Okd. The Glafke Co to Peralta Apartment Co, Henry T Atkinson, John Doe, John Doe Silva, Richard Roe and Mary Black.....\$50
- Mar. 16, 1915—LOT 107 Map Amended Map Rhoda Tract, Okd. E H Wittorff, \$102.50; Powell Bros Constr Co, \$82.15; Zenith Mill & Lumber Co, \$471.39 to A Hebel.....
- Mar. 16, 1915—LOTS 22 AND 23 BLK "O" Fruitvale Blvd Tract, Okd. Sunset Lumber Co, \$46.99; Melrose Lumber & Supply Co, \$304.91 to Henry Coxon.....
- Mar. 16, 1915—LOT 162 Wickham Havens Map Piedmont-by-the-Lake Piedmont. Pacific Hardware & Steel Co, \$71.65; W P Fuller & Co, \$310; Sunset Lumber Co, \$64.87; Tri City Window Shade Manufactory, \$48; W T Bond, \$42.50; J W Realy, \$165; E L Walter, \$85; California Metal Works, \$60 to Irving Michelson and J A Buntie.....

SAN JOSE AND THE SANTA CLARA VALLEY.

RESIDENCE — 1 story and base, frame. Cost not stated. San Jose,

Architect, none. Owners as follows: The following Day Labor jobs are reported as about to be started in San Jose: J. A. Wagner, 320 North 16th street, 1 story and base, frame, \$2,000. E. D. Wells, 17th street near Empire, 1 story, five-room frame, \$2,000. Edward Wolford, 16 North Second street, 1 story, five-room frame, \$1,500. J. Guardino, 424 North 21st street, 1 story, frame, five rooms, \$1,450. S. D'Amico, 1325 Vine street, 1 story, frame, five rooms, \$1,000. Plans are in the hands of the owners and materials are now being purchased.

STREET PAVING — Cost not stated. San Jose, Santa Clara Co., Cal. Engineer, City Engineer, San Jose. Owners, City of San Jose. Plans and specifications have been adopted for considerable street paving to be done in this city. The streets to be paved are St. John street from Seventh to Thirteenth, Eighth street from Santa Clara to St. John, Eleventh from San Antonio to William, Twelfth from Santa Clara to Julian, Julian from Guadalupe Creek to Autumn, and San Antonio from Seventh to Fourteenth. Bids on this work will be called for immediately.

RESIDENCES — 1 story and base, frame. Cost not stated. San Jose, Santa Clara Co., Cal. Architect, none. Owners as follow: The following Day Labor jobs are reported as about to be started in San Jose: Northridge Bros, 8th and Virginia streets, five-room dwelling, \$2,000, and Phillip Patnude, 875 South 11th street, San Jose, five-room cottage, \$1,000. Materials are being purchased.

BUILDING CONTRACTS

SANTA CLARA COUNTY.

STORES

VINE AND SAN FERNANDO STS., San Jose. Stores.
Owner.....Mellet & Chabre.
Architect...L. Lenzen, 110 S-Second St., San Jose.
Contractor...R. E. Peterson, 722 S-Fifth St., San Jose.
COST, \$3143

COTTAGE APARTMENTS

NO. 185 S-NINTH ST., San Jose. Cottage apartments.
Owner.....F. R. Husted, 9th and San Antonio, San Jose.
Architect...T. Wolf, 1st National Bank Bldg., San Jose.
Contractor...W. O. Miller, 471 E-Julian St., San Jose.
COST, \$2000

COTTAGE

NE EIGHTH AND VIRGINIA STS., San Jose. Five-room cottage.
Owner.....Northridge Bros.
Architect...None.
Day's work. COST, \$2000

COTTAGE

NW TENTH AND WASHINGTON STS., San Jose. Six-room cottage.
Owner.....C. M. Bennetts, 39 Magnolia Ave., San Jose.
Architect...None.
Contractor...C. M. Thomas, 682 N-San Pedro St., San Jose.
COST, \$2000

COTTAGE

FOURTEENTH bet. Empire and Washington Sts., San Jose. Four-room cottage.
Owner.....Phil Patnude, 875 S-11th St., San Jose.
Architect...None.
Day's work. COST, \$1900

COTTAGE

SAN SALVADOR, bet. 10th and 11th Sts., San Jose. Four-room cottage.
Owner.....Fred Stewart.
Architect...None.
Contractor...C. S. Rhea, 74 E-San Antonio St., San Jose.
COST, \$1800

BUNGALOW

THIRD AND MARTHA STS., San Jose. Five-room bungalow.
Owner.....Aug. Piehn, 107 Colfax St., San Jose.
Architect...None.
Day's work. COST, \$750

SUN ROOM

FIFTH AND JULIAN STS., San Jose. Sun room.
Owner.....Misses Morrison, NE 5th and E-Julian, San Jose.
Architect...None.
Contractor...J. H. Miller, 1041 S-Second St., San Jose.
COST, \$650

ADDITION

N-FOURTH near St. John St., San Jose. Addition to store house.
Owner.....W. E. Allen, 2nd S of Santa Clara, San Jose.
Architect...None.
Contractor...S. G. Peiton, 445 S-3rd St., San Jose.
COST, \$481

ALTERATIONS

NO. 129 SAN TERESA ST., San Jose. Alterations.
Owner.....F. Savio, 44 N-River St., San Jose.
Architect...None.
Day's work. COST, \$400

LOT 30 WALNUT PARK, Walnut Creek. Masonry, carpentry, mill work, electrical work, plumbing, etc., for two-story dwelling.

Owner.....Dr. Malcolm Goddard, 135 Stockton, San Francisco.
Architect...Julia Morgan, Merchants' Exchange Bldg., S. F.
Contractor...Jacob House, 1818 Hearst Ave., Berkeley.
Filed Mar. 15, '15. Dated Mar. 15, '15.
2nd story floor laid.....\$712.50
Plastering completed.....712.50
Completed and accepted.....712.50
Usual 35 days.....712.50
TOTAL COST, \$2850.00

Bond, none. Limit, 65 working days. Forfeit, none. Plans and specifications filed.

FRAME DWELLING

LOTS 12 AND 13 BLK 51, City of Richmond. All work for frame dwlg.
Owner.....Harry E. Aine, 18 Idaho Ave., Richmond.
Architect...None.
Contractor...J. A. Fagerstrom.
Filed Mar. 9, '15. Dated Mar. 8, '15.
Frame erected.....\$525
1st coat plaster on.....525
Building completed.....525
Usual 35 days.....525
TOTAL COST, \$2100
Bond, \$1050. Sureties, E. M. Thiden

and Axel Wetterberg. Limit, forfeit, none. Plans and specifications filed.

COTTAGE
HOLLYWOOD near Second St., San Jose
Six-room cottage.
Owner.....J. A. Wagner, 320 N-16th, San Jose.
Architect...None.
Day's work. COST, \$2000

COTTAGE
SEVENTEENTH, bet. Julian and Washington Sts., San Jose. Five-room cottage.
Owner.....E. D. Wells, 17th near Empire, San Jose.
Architect...None.
Day's work. COST, \$2000

COTTAGE
TWENTY-FOURTH AND BARNS STS., San Jose. Five-room cottage.
Owner.....Ed. Wolford, 16 N-Second St., San Jose.
Architect...None.
Day's work. COST, \$1930

COTTAGE
N-THIRTEENTH near Mission St., San Jose. Five-room cottage.
Owner.....J. Guardino, 424 N-21st St., San Jose.
Architect...None.
Day's work. COST, \$1450

COTTAGE
NO. 1325 VINE ST., San Jose. Five-room cottage.
Owner.....S. D'Amico, Premises.
Architect...None.
Day's work. COST, \$1000

ALTERATIONS
PIERCE AND ORCHARD STS., San Jose. Alterations.
Owner.....G. Di Paoli, 552 Orchard St., San Jose.
Architect...None.
Contractor...A. McCord, 75 George St., San Jose. COST, \$750

ALTERATIONS
NO. 338 W-SAN SALVADOR ST., San Jose. Alterations.
Owner.....Mrs. R. Duelchman, Prem.
Architect...None.
Contractor...F. Reisenbeck. COST, \$740

BUNGALOW
VIRGINIA AND STATE STS., San Jose
Four-room bungalow.
Owner.....Frank Landucci, 831 State St., San Jose.
Architect...None.
Contractor...John Giaotti, 233 W-St. James St., San Jose. COST, \$500

ALTERATIONS
NO. 345 N-THIRD ST., San Jose. Alterations.
Owner.....F. L. Fehren, Premises.
Architect...None.
Contractor...W. R. Latta, 432 N-11th St., San Jose. COST, \$480

DWELLING
NINTH AND MARGARET STS., San Jose. Five-room dwelling.
Owner.....J. L. Haskins, 1149 Park Ave., San Jose.
Architect...None.
Day's work. COST, \$2500

COTTAGE
NW FIFTEENTH & WASHINGTON, San Jose. Six-room cottage.
Owner.....J. A. Weldon, 639 Willis Sa., San Jose.
Architect...None.
Day's work. COST, \$2250

ALTERATIONS
NO. 137 S-FIRST ST., San Jose. Alter front.
Owner.....The Martin Estate.
Architect...None.
Contractor...Shottenhamer Bros., Market and Viola Ave., S. J. COST, \$1000

ALTERATIONS
NO. 1186 PLUM ST., San Jose. Alter and repair.
Owner.....L. A. Gepiane, Premises.
Architect...None.
Day's work. COST, \$450

ALTERATIONS
NINTH AND SAN ANTONIO STS., San Jose. Alterations.
Owner.....Mrs. Cottenger, 417 E-San Antonio, San Jose.
Architect...None.
Contractor...H. C. Zingheim, 148 N-10th St., San Jose. COST, \$400

BUILDING CONTRACTS. SAN MATEO COUNTY.

MARBLE WORK
HILLSBORO, San Mateo. Marble work for ball room and lounge for addition to residence.
Owner.....Mrs. Wm. H. Crocker, Hillsboro.
Architect...Lewis P. Hobart, Crocker Bldg., San Francisco.
Contractor...The American Marble & Mosaic Co., 25 Columbia Square, San Francisco.
Filed Mar. 17, '15. Dated Feb. 24, '15.
As work proceeds..... 75%
Usual 35 days..... 25%
TOTAL COST, \$9300

Bond, \$4650. Surety, The American Marble & Mosaic Co. Limit, May 15. Forfeit, none. Plans and specifications filed.

DWELLING, GARAGE, ETC.
LOTS 11 AND 12 BLK "B," Hayward Park, San Mateo. All work for two-story frame dwelling and one-story garage and fence.
Owner.....Mrs. Bertha A. Smoot, San Mateo.
Architect...Thos. M. Edwards, Bank Bldg., Burlingame.
Contractor...Charles H. Hutchings, San Mateo.

Filed Mar. 18, '15. Dated Mar. 10, '15.
Concrete foundations and frame completed\$973
Window sashes in place..... 973
Completed and accepted..... 973
Usual 35 days..... 976
TOTAL COST, \$3895
Bond, \$1950. Sureties, Wm. Kettewell and Walter Sealy. Limit, 90 days. Forfeit, \$5. Plans and specifications filed.

ALTERATIONS
LOTS 4 AND 9 BLK 6, Town of San Mateo. Additions and alterations to two-story brick club building.
Owner.....The Elks' Club of San Mateo, — B St., San Mateo.

Architect...Will H. Toepke, 46 Kearny, San Francisco.
Contractor...W. S. Leadley, San Mateo.
Filed Mar. 3, '15. Dated Mar. 1, '15.
Partitions set, etc.....\$2061
Plastering (outside) completed 2063
Standing finish all up, etc..... 2061
When completed 2061
Usual 35 days..... 2749

TOTAL COST, \$10,995
Bond, \$5500. Sureties, Eliza A. Hopper E. O. Hessler and Charles Hopper. Limit, forfeit, none. Plans and specifications filed.

COMPLETION NOTICES SAN MATEO COUNTY.

RECORDED	ACCEPTED
Mar. 6, 1915—LOT 27 BLK 3, East San Mateo. J H McCormick to Croop & Keegan.....Mar. 4, 1915	
Mar. 6, 1915—LOT 4 in Embarcadero Sbdvn, Redwood City. Pacific Gas & Electric Co to R D Word & Co .....Feb. 27, 1915	
Mar. 12, 1915—LOT 2 SEC 2 of Plot "G," Home of Peace Cemetery, San Mateo. Amelia Getz, Extx Maurice Getz, dec'd to V Lagomarsino.....Feb. 4, 1915	
Mar. 12, 1915—LOT 31 BLK 6 Map of Crocker Estate Tract Sub No. 1. J F Boulhard to whom it may concern.....Mar. 2, 1915	

RELEASE OF LIENS SAN MATEO COUNTY.

RECORDED	AMOUNT
Mar. 6, 1915—VALPARAISO AVE, Ptn Lot 4 of Valparaiso Park Tct in Las Pulgas Rancho. Pope & Talbot to Academy of the Sacred Heart and C A Ingerson.....\$5113.58	
Mar. 6, 1915—PTN LOT 4 of Valparaiso Park Tract in Las Pulgas Rancho. Pacific Mfg Co to Academy of the Sacred Heart and C A Ingerson .....\$4806.95	
Mar. 6, 1915—WOODSIDE. Dow Turner to Jefferson J Graves.\$271.40	
Mar. 5, 1915—LOTS 8 AND 9 BLK E Fair Oaks Acres. Frank Herrman to M H Schord and H J Ross....\$40	
Mar. 5, 1915—GRAND AVE, South San Francisco. Hauptman Lumber Co to Thos H Day's Sons and South San Francisco Land & Improvement Co .....\$244.35	

RELEASE OF LIENS. SAN MATEO COUNTY.

RECORDED	AMOUNT
Mar. 11, 1915—LOT 3 BLK 103 South San Francisco. Bates, Borland & Ayler to W D C and M E Shade .....\$194.07	
Mar. 10, 1915—WOODSIDE. Dow Turner to Jefferson J Graves, W & J Sloan & Co and P H Patterson .....\$271.40	

MARIN, CONTRA COSTA AND SONOMA COUNTIES.

CITY HALL—2 story and base, reinforced concrete and brick, \$17,500. Richmond, Contra Costa Co., Cal. Architect, James T. Narbett, Berry Bldg., Richmond. Owner, George L. Wall. The building will be erected on the

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Wall property and will be leased to the city. The design is in the classic style. The building will be practically fireproof. There will be offices for all of the city officials and a large council room. Interior finish will be of pine with some hardwood, marble and tile wainscot. There will be steam heat and an oil burning system. Plans provide for special fireproof vaults. Exterior of the building will be faced with cement plaster. Plans are complete and the work will be done by Day Labor.

HOSPITAL—2 story and base, frame. Cost not stated. Yountville, Napa Co., Cal. Architect, State Architect George B. McDougall, Sacramento. Owners, State of California. Bids opened for the construction of this work show contractors Louis Ceregino & Son of San Francisco low at \$13,240. This amount is within the appropriation. They will probably be awarded the contract. A complete list of the bidders for this work will be found under the heading of Marin, Contra Costa and Sonoma Counties in this issue.

STONE HIGHWAY BRIDGE—Cost not stated. Napa, Napa Co., Cal. Engineer, County Surveyor, Napa. Owners, Napa County. Plans have been completed for a stone highway bridge to be erected over Huichica Creek in Road District No. 13. Bids will be opened on April 14th. Plans and specifications can be secured from the County Surveyor.

BRIDGES — 2 reinforced concrete. Cost not stated. San Rafael, Marin Co., Cal. Engineer, County Surveyor, San Rafael. Owners, Marin County. These

two bridges will be erected on the road from San Rafael to Olema. Plans can be secured from the County Clerk at San Rafael. Bids are now being taken and will be opened by the Board of Supervisors on April 6th.

STREET IMPROVEMENT, PAVING, PIPES AND CROSSINGS. Cost not stated. Sausalito, Marin Co., Cal. Engineer, City Engineer, Sausalito. Owners, City of Sausalito. Plans and specifications have been completed for considerable additional paving in Sausalito and figures are now being taken for the work. Bids will be opened on March 29th at 8 p. m. Plans and specifications can be secured from the City Clerk.

SEWER WORK—Cost not stated. Petaluma, Sonoma Co., Cal. Engineer, City Engineer, Petaluma. Owners, City of Petaluma. The City Engineer has been instructed by the City Council to prepare plans and specifications for the construction of a six-inch sewer along the center line of Laurel avenue, from B to D streets. Bids will probably be ordered at the next meeting of the Council, when the plans will be approved.

MACADAM STREET PAVEMENT — Cost not stated. Santa Rosa, Sonoma Co., Cal. Engineer, City Engineer, Santa Rosa. Owners, City of Santa Rosa. The City Engineer has been instructed to prepare plans and specifications for the improvement of Brown street from the south line of Mill to the north line of Bennett, with water-bound macadam. Bids will be called for on the completion and approval of plans.

E. H. Williams

Chalmer Munday

Munday & Williams Attorneys-at-Law

Special Attention Given to Building
Law and Bankruptcy Cases

Telephone Sutter 4622

615 Phelan Building, San Francisco

STREET IMPROVEMENT—Cost not stated. Petaluma, Sonoma Co., Cal. Engineer, City Engineer, Petaluma. Owners, City of Petaluma. A resolution that Kent street, from Howard to Walnut, be improved has been adopted by the City Council. After the necessary requirements have been complied with bids on the work will be called.

STREET IMPROVEMENT—Cost not stated. Petaluma, Sonoma Co., Cal. Engineer, City Engineer, Petaluma. Owners, City of Petaluma. The City Engineer has been directed to prepare plans and specifications for the improvement of Hooper street from Washington northerly to Bridge street. On the approval of the plans bids on this work will be called for.

SEWER WORK—Cost not stated. Napa, Napa Co., Cal. Engineer, City Engineer, Napa. Owners, City of Napa. Bids for the construction of the proposed storm sewer in York street, opened by the City Council at their last meeting, are as follows: The Duncans-Harrelsen Co., \$14,145; Schuyler & Edwards, \$10,490; Burnham & Co., \$13,500; L. B. Withers, \$14,200; A. Teichert, \$14,000; Jacobsen-Bade Co., \$14,659.65; Church & Clark, \$14,240; Leech & De Camp, \$10,994; Frank Gaggero, \$11,424; John H. May, \$9,999; Harden-Smith Co., \$10,349. It was decided that all bids exceeding \$11,000 be rejected and those under that sum be taken under advisement. The contract will be awarded at the next meeting of the Council.

ROAD IMPROVEMENT, ETC.—Cost not stated. San Rafael, Marin Co., Cal. Engineer, County Surveyor, San Ra-

Williamson's Continuous Clothes Line Outfit

Clothes Line Problem Solved At Last

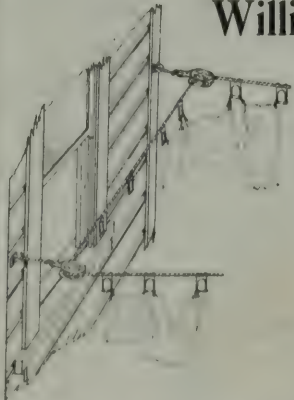
DOUBLE your line space, use all the line. No empty top line, keeps the clothes free from the soiled line, making it sanitary. Take clothes off any part of line without removing the wet clothes.

CONSTRUCTION: The pulleys are made of cast iron galvanized; so constructed as to allow the patent clothes pine to pass through carrying the clothes around the pulleys, thereby using both lines.

By using three pulleys, the lines are spread apart as shown in the picture and allows you to put clothes on or take them off the line without hanging out of the window side-ways. The clothes pin is made of heavy galvanized wire formed in such a manner as to allow it to be fastened to the clothes line very easily; nothing complicated to get out of order. Holds the clothes free from the line so the lines need not be covered with cloth-strips in order to keep the clothes from being soiled from the line. The strongest wind cannot blow the clothes out of the pins as they are held in a spring slot. When the wind blows it pulls the clothes deeper into the slot holding them tighter.

NO SPRINGS TO PRESS OR SQUEEZE
to get the clothes in or out. Just slip clothes in slot and pull down. WILL hold the daintiest fabrics or the heaviest blanket. 1340 Mission St. Phone Mkt. 4008.

THIS OUTFIT CONSISTS OF 3 DOZEN
Sanitary, Stronghold, Clothes Pins, 3 Continuous
Clothes Line Pulleys and 1 Pair Line Splacers.
Price, \$2.00 per Set.



fael. Owners, Marin County. Plans have been completed and figures are now being taken for improving the county road between San Rafael and Olema, a distance of 5.1 miles, by grading and construction of rip-rap pavement. Bids for the work are now being taken and will be opened on April 6th. Plans and specifications can be secured from the County Clerk at San Rafael.

Figures Taken For Job At Yountville.

Louis Cereghino & Son Will Be Awarded Contract For State Work at Veterans' Home at Yountville.

(By Special Wire.)

SACRAMENTO, CAL., March 17th, 1915.—Bids were opened by the State Board of Control for constructing a combination hall and amusement building at the Veterans' Home at Yountville, Napa County. The lowest bid was received from Louis Cereghino & Son of San Francisco at \$13,240. Bids were referred to the State Architect. It is understood that the low figure is within the amount available for the work. Following is a complete list of the bids received:

Hall and Library Building.

Louis Cereghino & Son.....	\$13,240
George W. Martin & Son.....	13,318
P. J. Cole.....	13,332
B. C. Tarver.....	14,000
Lester H. Stock.....	14,388
George W. Boxton & Son....	14,440
Alta Planing Mill.....	14,491
E. W. Doughty.....	14,980
W. L. Grass.....	15,221
D. O. Church Co.....	15,356
Coleman & Coleman.....	15,585
Harvey A. Klyce.....	15,770
Pringle, Dunn & Co.....	15,775
Bert T. Owsley.....	15,800
R. S. K. MacMillen.....	15,976
Walter Sorensen.....	16,280
W. B. Thornalley.....	17,388
Ward & Goodwin.....	21,000
John J. Leonard.....	22,000

Bids opened on March 16th for constructing a modern rural school building containing one room at the Chico Normal School showed E. D. Sharp of Chico low for the work at \$3,565. He will be awarded the work.

BUILDING CONTRACTS

MARIN COUNTY.

BUNGALOW

SAN RAFAEL. All work for five-room bungalow.

Owner.....William Epstein.
Architect...None.
Contractor...William Van Nest.

Filed Mar. 17, '15. Dated Mar. 5, '15.

Frame up	\$552
When plastered	552
When completed	552
Usual 35 days.....	552

TOTAL COST, \$2208

Bond, \$1150. Sureties, G. A. Albertin and G. A. Shields. Limit, 70 working days. Forfeit, none. Plans and specifications filed.

FRESNO, MODESTO, STANISLAUS AND CENTRAL CALIFORNIA

COTTAGE—1 story and base, frame, \$1,500. Fresno, Fresno Co., Cal. Architect, none. Owner, J. C. Morris. Fresno. The dwelling will contain five rooms and bath. Interior will be finished in pine and redwood. There will be an open fire place and tile mantel. Bath room will have tile wainscot. Exterior of the house will be covered with rustic and cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor.

RESIDENCE — 1 story and base, frame, \$1,500. Fresno, Fresno Co., Cal. Architect, none. Owner, John Gamber, 1543 C street, Fresno. The dwelling has been designed for a five-room house with bath. Interior finish will be of pine and redwood. Some hardwood floors will be used. There will be an open fire place in the living room. The exterior of the dwelling will be covered with cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor.

STORES—1 story and base, frame, \$5,000. Fresno, Fresno Co., Cal. Architect's name not given. Owner, John L. Boyd. The building has been designed to contain three small stores. Interior finish will be of pine throughout. Patent store fronts and plate glass display windows will be used. Exterior of the building will be faced with cement plaster. Plans are complete and in the hands of the owner who will do the work by Day Labor.

EARTH FILLS — Cost not stated. Modesto, Stanislaus Co., Cal. Engineer, Herman, Modesto. Owners, Modesto Irrigation District. Plans and specifications for the construction of two earth fills, seven miles of the La Grange dam, are now being prepared by Chief Engineer Herman, and will be presented to the directors of the district at their next meeting for their approval. The two fills are each approximately sixty feet high. Secretary C. S. Abbott, Hearst Bldg., S. F., states that it will require from six to eight months to complete a fill of this nature. Further information will be given of this work on the approval of the plans.

STREET PAVING—Cost not stated. Lindsay, Tulare Co., Cal. Engineer, City Engineer, Lindsay. Owners, City of Lindsay. The City Council has adopted a resolution of intention ordering the paving of Sweet Briar avenue. Bids on this work will be called for as soon as all necessary requirements have been ordered.

BUILDING CONTRACTS

FRESNO COUNTY.

DWELLING AND GARAGE

LOT 27 BLK 21 Alta Vista Tract, Fresno. Dwelling and garage.
Owner.....O. D. Atkins, 743 Weldon St., Fresno.

Architect...None.

Day's work.

COST, \$2600

DWELLING

NO. 239 DIANA ST., Fresno. Dwlg.
Owner.....P. Cafardi.
Architect...None.

Contractor...G. Romano, Fresno.
COST, \$1000

DWELLING

LOTS 27 AND 28 BLK 12 Arlington Heights, Fresno. Dwelling.
Owner.....C. V. Smith, 1371 De Mar St., Fresno.

Architect...None.

Day's work.

COST, \$1000

RESIDENCE AND GARAGE

LOTS 27 AND 28 BLK 1, Van Ness Park, Fresno. All work for one-story frame residence and garage.
Owner.....Herbert Levy, 1761 K St., Fresno.

Architect...Glass & Butner, 1441 I St., Fresno.

Contractor...J. P. Williams and McR. De Viese, 2406 Mariposa St., Fresno.

Filed Mar. 8, '15. Dated Mar. 8, '15.

Roof on	\$738.75
Interior plaster finished.....	738.75
Completion	738.75
Usual 35 days.....	738.75

TOTAL COST, \$2955.00

Bond, \$1500. Surety, American Surety Co. of New York. Limit, 60 days. Forfeit, none. Plans and specifications filed.

DWELLING

LOTS 47 AND 48, Irvington Add'n., Fresno. Dwelling.
Owner.....G. O. Morse, 1353 G St., Fresno.

Architect...None.

Contractor...J. D. Yarnell, 2327 White St., Fresno.

COST, \$1550

DWELLING

LOTS 3 AND 4 BLK 1, Fresno. Dwlg.
Owner.....John Gamber, 1543 C St., Fresno.

Architect...None.

Day's work.

COST, \$1500

DWELLING

LOT 19 E 5 FEET LOT 20 BLK 11, Fresno Heights. Dwelling.
Owner.....J. C. Morris.

Architect...None.

Day's work.

COST, \$1000

LOTS 6 AND 7 BLK 10, Fresno. Stores.

Owner.....John L. Boyd.

Architect...None.

Day's work.

COST, \$1700

REMODEL AWNING

LOTS 17 TO 21 BLK 17, Fresno. Remodel awning.

Owner.....Annie L. Wallace.

Architect...None.

Contractor...Burnett Iron Works, 1311 Mono Ave., Fresno.

COST, \$820

NOTICE OF NON-LIABILITY.

FRESNO COUNTY.

Mar. 6, 1915—LOT 21 BLK 2, Sunny-side Gardens. Milton M Dearing as to improvements on leased property

COMPLETION NOTICES

FRESNO COUNTY.

RECORDED

ACCEPTED

Mar. 9, 1915 - LOTS 17 TO 21 BLK 87, Fresno. Frank H Ball and Estate

Eleanor J Ball, dec'd to P E Heisel and W H Ackerman.....Feb. 6, 1915
 Mar. 10, 1915—SE 1/4 OF SW 1/4 of Sec 12-15-21, Fresno. Magnolia School District to whom it may concern.....Mar. 5, 1915

LIENS FILED.

FRESNO COUNTY.

RECORDED **AMOUNT**
 Mar. 6, 1915—LOTS 17 TO 21 BLK 82, Fresno. M E Summers vs Eleanor J and Frank H Ball.....\$31
 Mar. 4, 1915—LOTS 17 TO 21 BLK 82, Fresno. T H Curry vs Eleanor J and Frank H Ball.....\$300
 Mar. 10, 1915—LOTS 17 TO 21 BLK 82, Fresno. Henry Ward vs Eleanor J and Frank H Ball.....\$39
 Mar. 16, 1915—LOTS 11 TO 16 BLK 64, Fresno. W R Holmes vs Pease, Bundy & Taylor.....\$12

NOTICE OF NON-LIABILITY.

FRESNO COUNTY.

Mar. 16, 1915—LOTS 8 AND 9 BLK 1 Olivette Park, Fresno. H A Pratt and F A Homan as to improvements on leased property.....

SACRAMENTO, STOCKTON AND NORTHERN CALIFORNIA.

CITY HALL REPAIRS—Frame construction. Cost not stated. Washington, Yolo Co., Cal. Architect's name not given. Owners, Town of Washington. Plans are now out for figures for minor repairs to the city hall in the town of Washington. The exact nature of this work is not known. Further particulars together with plans and specifications can be had from the Town Clerk. Bids will be opened on April 5th at 10 a. m.

SCHOOL—1 story and base, frame and plaster, \$25,000. Stockton, San Joaquin Co., Cal. Architects, Stone & Wright, 24 South California street, Stockton. Owners, City of Stockton. The building will be erected on property bounded by Jefferson, Anderson, Lincoln and Harrison streets, and has been designed for a six-room school with a large assembly hall. Interior will be finished in pine throughout with maple floors in the class rooms. There will be steam heat with an oil burning system, program clocks and vacuum cleaning. Exterior of the building will be faced with cement plaster on metal lath. Plans are being prepared and bids will be called for at an early date. Further mention will be made of the work.

BRIDGE—Reinforced concrete. Cost not stated. Colusa, Colusa Co., Cal. Engineer, County Surveyor, Colusa Owners, Colusa County. Plans have been completed and figures are now being taken for constructing a reinforced concrete bridge across the slough between Maxwell and Colusa. The county will furnish the cement. Plans can be secured from the County Surveyor at Colusa. Bids will be opened on April 6th.

FURNISHING REINFORCING STEEL AND CEMENT Cost not stated. Placerville, El Dorado Co., Cal. Engineer, City Engineer, Placerville. Owners, City of Placerville. City Clerk C.

H. Weatherwax has issued the following call for bids: 54 rods, 26 feet long, 1 inch in diameter; 54 rods, 20 feet long, 1/2 inch in diameter; 300 feet, any lengths, 1/2 inch in diameter. All of twisted steel for bridge work. Also eleven tons of cement, good quality. Bids must be in not later than March 22nd.

BRIDGE—Cost not stated. Red Bluff, Tehama Co., Cal. Engineer, County Surveyor Lunning, Red Bluff. Owners, Tehama County. County Surveyor Lunning appeared before the Board of Supervisors in reference to bridging the sand slough with suggestions as to what sort of a bridge should be constructed. Lunning favors steel cylinders filled with concrete for the structure, with a floor of practically the same as used in the construction of highways. Lunning was instructed by the Board to prepare plans for such a bridge and an estimate of the cost. Plans will be prepared for the three sloughs, making a bridge of about 3,300 feet. All but about 600 feet of this will be required on the main slough. The cost will probably reach \$120,000.

STEEL TANK — \$5,000. Winters, Yolo Co., Cal. Engineer, City Engineer, Winters. Owners, City of Winters. At a recent meeting of the Town Trustees an understanding was reached to have a new 100,000-gallon tank added to the city water system, the old wooden tank with a capacity of 50,000 gallons having become inadequate. The new tank will be of the round bottom steel construction type, and will be supported on a heavy steel frame. The tank and tower will cost in the neighborhood of \$5,000.

STATE HIGHWAY CONSTRUCTION —\$100,000. Stockton, San Joaquin Co., Cal. Engineer, State Highway Engineer, Forum Bldg., Sacramento. Owners, State of California. Word received from this city makes known the fact that sufficient bonds have been sold to insure the completion of the State Highway Lateral from Knights Ferry, Stanislaus County, to Sonora, Tuolumne County. All told, \$100,000 has been raised for grading of the State Highway from the Stanislaus County line to Sonora.

OIL STORAGE TANKS AND WAREHOUSE—Steel and frame construction, \$15,000. Sacramento, Cal. Engineer's name not given. Owners, Shell Oil Co. of California. This work will consist of the construction of a pumping station, oil storage tanks and a warehouse. The buildings will be erected in the Thomas Oatis Tract on the Upper Sacramento Road. Plans are complete and the work will be done by Day Labor.

RESIDENCE — 1 story and base, frame, \$2,000. Sacramento, Cal. Architect, none. Owner, James Lyons, 514 P street, Sacramento. The dwelling will be erected on Ridge street, and has been designed to contain five rooms and bath. Interior will be finished in pine throughout. There will be some oak floors. Plans provide for and open fire place in the living room. Mantel will be of tile. Tile wainscot will be used in the bath room. Exterior of the house will be covered with rustic and cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor.

Contracts Awarded.

STREET PAVING—\$30,974.65. Oroville, Butte Co., Cal. Engineer, City Engineer, Oroville. Owners, City of Oroville. Contractors, Clark & Henery, Sacramento. Contract price, \$30,974.65.

BUILDING CONTRACTS

SACRAMENTO COUNTY.

PUMP HOUSE, ETC.

UPPER STOCKTON ROAD on ptn of acreage of Thos. Oats, Sacramento. Pump house, warehouse, storage tank, etc.

Owner.....Shell Co. of California, Inc., 343 Sansome, S. F.

Architect...None.

Day's work. COST, \$15,000

RESIDENCE

NO. 2216 T ST., on W 1/2 Lot 3, T, U, 22nd and 23rd, Sacramento. Two-story 6-room residence.

Owner.....Freeman H. Bloodgood, 1400 H St., Sacramento.

Architect...None.

Contractor...W. P. Cippa, 314 21st St., Sacramento.

COST, \$3500

RESIDENCE

NO. 2315 SIXTEENTH, on S 1/4 of Lot 1 W, X, 16th & 17th Sts., Sacramento. Five-room residence.

Owner.....D. T. Nyrop, 1610 W St., Sacramento.

Architect...None.

Contractor...J. J. Jennings, 719 J St., Sacramento.

COST, \$1500

DWELLING

RIDGE ST., on Lot 277 Wright & Kimbrough Tract 14, Sacramento. One-story 4-room and bath frame dwlg.

Owner.....James Lyons, 514 P St., Sacramento.

Architect...None.

Day's work. COST, \$2000

DWELLING

W 1/2 OF LOT 3, X, Y, 17th and 18th, Sacramento. One-story 5-room dwlg.

Owner.....A. J. Makle, 1722 X St., Sacramento.

Architect...None.

Contractor...F. A. Holdner, 522 1/2 M St., Sacramento.

Filed Mar. 15, '15. Dated Mar. 12, '15. COST, \$1850

PLUMBING AND SHEET METAL

LOT 10 BLK 7 of Yosemite Terrace, Stockton. Plumbing and sheet metal work for frame building.

Owner.....George Sievers, 330 E Poplar St., Stockton.

Architect...Joseph Losekann, 79 San Joaquin Bldg., Stockton.

Contractor...E. A. Whale, 327-29 E. Filed Mar. 9, '15. Dated Feb. 23, '15.

Work roughed in.....\$120
 When work completed.....136

TOTAL COST, \$256

Bond, \$128. Sureties, Edward Hughes and R. E. Wilhort. Limit, 70 days. Forfeit, none. Plans and specifications filed.

NOTE—This job was reported under name of Ray Friedberger.

FRAME DWELLING

TWENTY-FIRST ST. ROAD on Lot 6826 Hillcrest Park, Sacramento.

One-story five-room and bath frame dwelling.
Owner.....Geo. B. Henry, 1604 K St., Sacramento.

Architect...None.
Contractor...W. B. Phipps, 4015 Cypress Ave., Sacramento.
COST, \$2000

DWELLING

NO. 2020 X ST., on E ½ of N ½ of Lot 3 X, Y, 20th and 21st, Sacramento. One-story five-room and basement frame dwelling.

Owner.....Robertson-Govan Co., 1025 8th, Sacramento.
Architect...None.
Contractor...Robert Powell & Co., 2811 T St., Sacramento.
COST, \$2000

DWELLING

NO. 2024 X ST., on W ½ of N ½ Lot 4, X, Y, 20th and 21st, Sacramento. One-story five-room and basement frame dwelling.

Owner.....Robertson-Govan Co., 1025 8th, Sacramento.
Architect...None.
Contractor...Robert Powell & Co., 2811 T St., Sacramento.
COST, \$2000

DWELLING

NO. 2016 X ST., on W ½ of N ½ Lot 3 X, Y, 20th and 21st, Sacramento. One-story five-room and basement frame dwelling.

Owner.....Robertson-Govan Co., 1025 8th, Sacramento.
Architect...None.
Contractor...Robert Powell & Co., 2811 T St., Sacramento.
COST, \$2000

DWELLING

NO. 2012 X ST., on E ½ of N ½ Lot 2 X, Y, 20th and 21st, Sacramento. One-story five-room and basement dwelling.

Owner.....Robertson-Govan Co., 1025 8th, Sacramento.
Architect...None.
Contractor...Robert Powell & Co., 2811 T St., Sacramento.
COST, \$2000

RESIDENCE

NO. 1716 X ST., on W ½ Lot 3, X, Y, 17th and 18th, Sacramento. One-story 5-room residence.

Owner.....H. A. Makle, 1722 X St., Sacramento.
Architect...None.
Contractor...F. A. Holdener, 322½ M St., Sacramento.
COST, \$1850

ALTERATIONS

NO. 325 M ST., on W 20 feet of S 110 feet Lot 5, L, M, 3rd and 4th, Sacramento. Raise dwelling and build one-story frame addition in front.

Owner.....Jules Junqua, 1238 D St., Sacramento.
Architect...None.
Contractor...Chas. A. Vanina, 2022 M St., Sacramento.
COST, \$900

FRAME SHED

K AND WOLFE AVE., on N 80 feet of Lots 13 and 14, Arcadia, Sacramento. One-story frame shed.

Owner.....C. M. Schmidt, 1721 D St., Sacramento.
Architect...None.

Contractor...C. Carton, 1215 5th St., Sacramento.

COST, \$500

ALTERATIONS

NO. 1230 P ST., on E ½ of Lot 4, P, Q, 13th and 14th, Sacramento. Alter and remodel residence.

Owner.....Mrs. L. G. Siller, Premises.
Architect...None.
Contractor...Siller Bros, 1614 13th St., Sacramento.
COST, \$1700

LIENS FILED

SACRAMENTO COUNTY.

RECORDED	AMOUNT
Mar. 11, 1915—LOT 1, K, L, 9th and 10th (mis-described in record), Sacramento. C J Greenwalt vs C J Mathews et al.....	\$1013
Mar. 18, 1915—LOT 1, K, L, 9th and 10th Sts., Sacramento. C J Greenwalt vs C J Mathews et al....	\$1013

COMPLETION NOTICES

SAN JOAQUIN COUNTY.

RECORDED	ACCEPTED
Mar. 16, 1915—ON STOCKTON HIGH School site bounded by Vine, California, North and San Joaquin Sts, Stockton. High School Board of Education to Chirhart & Nystedt	March 11, 1915
Mar. 16, 1915—ON LINCOLN SCHOOL site bounded by Washington, Ophir and Market Sts., Stockton. Stockton Board of Education to Chirhart & Nystedt.....	Mar. 11, 1915

PORTLAND AND OREGON

COURT HOUSE—2 story and base, reinforced concrete, \$100,000. Grants Pass, Ore. Architect, E. E. McClaren, Lumber Exchange Bldg., Portland. Owner, County of Josephine. The building will be a fireproof structure, covering an area of 137 by 70 feet, and has been designed in the classic style. The main floor will contain a number of county offices together with the county court chambers. Each office will have vault equipment. The second floor will be arranged for offices and for the various county officials and circuit court chambers. The basement will contain the heating apparatus and county jail. Interior will be finished in pine and hardwood with some metal trim. Plans provide for steam heat, a hot water system and vacuum cleaning system. Considerable ornamental plaster, marble and tile wainscot will be used. Exterior of the building will be faced with pressed brick and ornamental terra cotta. Plans are complete and figures are being taken. Bids will close on April 1st. Separate figures are being taken for the heating, plumbing and plaster work.

LODGE HALL—2 story and base, brick and reinforced concrete, \$50,000. Klamath Falls, Ore. Architects, Houghtaling & Dougan, Henry Bldg., Portland. Owners, Klamath Falls Elks' Hall Association. The building will cover an area of 80 by 120 feet, and has been designed in the classic style. The main floor will contain a large lounging room, billiard hall, reading and writing rooms, ladies' parlor and reception hall and a cafe. The

second floor will be arranged for a banquet room, lodge rooms and ante rooms. Basement will be arranged for a gymnasium, including swimming pool, locker rooms and a heating plant. Interior finish will be of pine and hardwood. Hardwood floors will be used in the principal rooms. There will be steam heat, a hot water system and vacuum cleaning. Exterior of the building will be faced with pressed brick trimmed with terra cotta. Plans are complete and figures are now being taken. Bids will be opened on April 1st.

POST OFFICE—2 story and base. Class A construction. Cost not stated. Pendleton, Ore. Architect, Supervising Architect Oscar Wenderoth, Washington, D. C. Owners, United States Government. The following firms have applied to the Supervising Architect for plans and specifications on the Pendleton, Ore., post office: Bedford Stone Club, Bedford, Ind.; Erickson & Larson, Seattle, Wash.; James S. Winters, 605 Couch Bdg., Portland, Ore.; E. D. Loch & Sons, 34 F street, Salt Lake City, Utah; Palmberg & Mattson, 829 Commercial street, Astoria, Ore.; J. H. Wiese, City National Bank Bldg., Omaha, Neb.; J. L. Murphy & Sons, 3138 North Ferdinand street, Tacoma, Wash.; H. E. Doehring, 568 Maple street, Portland, Ore.; Welch Bros. & Hannaman, 15th and Jefferson streets, Oakland, Cal.; Olson & Johnson, Missoula, Mont.; J. B. Sweatt, 408 Rookery Bldg., Spokane, Wash.; Sound Construction and Engineering Co., Seattle, Wash.; Bailey-Marsh Co., Metropolitan Life Bldg., Minneapolis, Minn.; Eugene Schuler, Pasadena, Cal.; Dieter-Wenzel Construction Co., Wichita, Kans.; John Almeter, 626 7th street, Portland, Ore.; The Brennan Construction Co., District National Bank Bldg., Washington, D. C.; W. D. Lovell, 1415 8th street, SE, Minneapolis, Minn.; The Conners Bros.' Co., 64 W. 88th street, New York City; King Lumber Co., Charlottesville, Va.; George A. Whitmeyer & Sons, 2759 Grant avenue, Ogden, Utah; George W. Stiles Construction Co., Rookery Bldg., Chicago, Ill.

Contracts Awarded.

SCHOOL—2 story and base, frame, \$17,990. Gresham, Ore. Architect, Ernest Kroner, Worcester Bldg., Portland, Ore. Owners, City of Gresham. Contractor, J. H. Tirlman, Chamber of Commerce Bldg., Portland. Contract price, \$17,990.

TIMBER DOCK—\$17,575. Portland, Ore. Engineer, G. B. Hegardt, Worcester Bldg., Portland. Owners, City of Portland. Contractors, Brayton Engineering Co., Pittcock Bldg., Portland. Contract price, \$17,575.

SEATTLE AND WASHINGTON

SEA WALL — Reinforced concrete, \$200,000. Seattle, Wash. Engineer, City Engineer A. H. Dimmock, Seattle. Owners, City of Seattle. Plans have been completed by the City Engineering Department for the construction of a concrete sea wall along the western side of Railroad avenue, between Yesler Way and Madison street. The structure will be 1,258 feet long and average a height of about 20 feet. It will be 2½ feet wide at the top and 12 feet wide at the bottom. The work in this contract will also call for the

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filling of the entire street between these points, a distance of 60 feet and paving same at a total cost of about \$200,000. Bids on this work will soon be called for. A railing will extend the full length of the improvement, composed of 2½ inch galvanized iron pipe and No. 8 wire, 3-inch mesh.

SOME SALT.

The volume of the saline matter in the ocean is somewhat more than 265,956,133,600,000 cubic feet, according to the United States Geological Survey, or enough to cover the entire surface of the United States, excluding Alaska, 8,448 feet deep.

A thorough sanitary supervision of the Exposition grounds is to be maintained throughout the year by Dr. C. C. Pearce of the U. S. Public Health Service, who has been assigned from the service to the post of Sanitary Superintendent. In addition to examining

all foreigners who come to the exposition to take part in it and live on the grounds, one of Dr. Pearce's duties will be to vaccinate all of the dwellers in the native villages on the Zone.

NOVEL USE FOR AUTO.

A Cleveland woodworker has mounted a work bench on wheels and tows it behind his automobile, using the power of the auto to drive a band saw and other tools.

A BILLION DOLLARS.

"I wonder if we realize when we talk of a billion dollars what an enormous sum of money it means. We all know how rapidly an expert counter of coin will manipulate them. You can scarcely follow the motion of his fingers as he shifts the coins from one pile to another and counts them. The treasury experts will count 4,000 silver dollars in an hour and keep it up all day long, but that is their limit.

"Working eight hours a day, then, an expert counter of coins will count 32,000 silver dollars in a day, but how long will it take him at that rate to count a million dollars? Thirty-one days. But that is only the beginning of the measurements of great figures, for if this same man were to go on counting silver dollars at the same rate of speed for ten years he would find that he had counted 100,000,000 of them and that to count a billion dollars would require 102 years of steady work at the rate of eight hours a day during every working day of every one of the 102 years."—O. P. Austin, Former Chief of the Bureau of Statistics.

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Published every Wednesday
Fifteenth Year No. 13.

Publication Office
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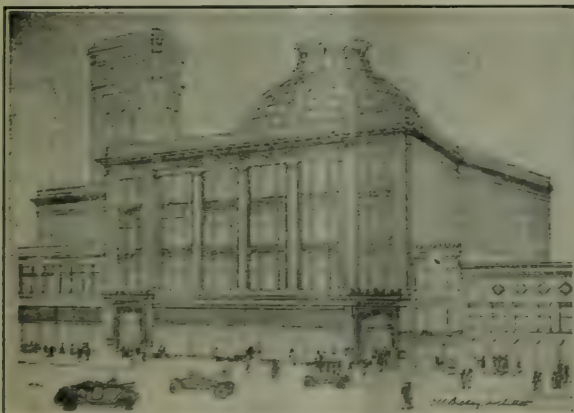
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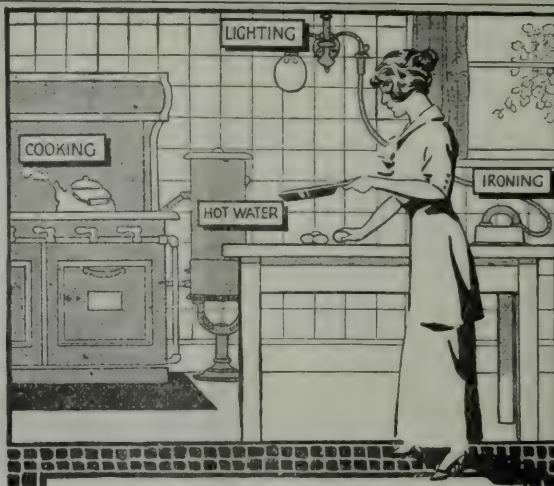
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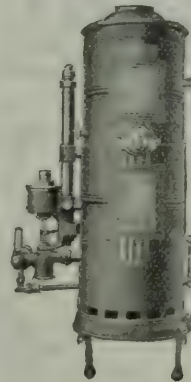
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Fifteenth Year, No 13



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Editorial Comment.

A new publication has been launched in San Francisco, called The Common People. It gives its place of publication as 36 Kearny street, and the editor is Spencer Higgins. What particular class of The Common People it stands for is hard to determine unless it be that particular class that make their living at the north end of Kearny street. Its political idols are Milton Schmitt and Gavin McNab and everybody knows that they are always out for the common people. Certainly if this breed of the "common people" rule in San Francisco there will be the commonest kind of a rule, about like New York under its Tammany regime.

The Examiner publishes a big editorial about government ownership of telephone lines and cites as the effect of monopoly the fact that the government investigations in New York demonstrate that the company makes more than 14 per cent on watered capital. Among other things it cites the fact that the company that manufactures the instruments rents them to the operating company at an annual rental of \$2.00 per year while the instrument itself costs but \$3.00 to supply. But why cite conditions in New York? Do not the same conditions prevail here? Do we not pay higher prices for service here than anywhere else and does not the company come before the Supervisors regularly for an increase in rates?

The same company operates here that operates everywhere else. The manufacturing company rents its instruments in just the same way. That is why the Home Automatic phone plant was dismantled. That is why we pay the price we do and get the service that we have. The Examiner says nothing of conditions here.

There is a great hullabaloo about the non-partisan bill that is now up before the Legislature. Milton Schmitt is the leader in the lower house against the measure. The Chronicle, the new publication above named, The Common People, and all the bosses who are so zealous about the welfare of the average citizen are so hotly opposed to the measure. These people in one breath howl to high heaven about the political machine that Johnson has built,—the next they raise heaven and earth to oppose a measure that makes partisan rule in state affairs out of the question. The fact is that this measure seeks to take away the stalking horse by which the bosses deceive the people. When it comes down to seeking efficiency in government and the boss must come out in the open his job is gone. They

know this and that is why they are all opposed to the Governor who is his own boss and stands on his own platform and his own record.

There is some discussion in newspapers and technical journals over the lessons that the present war has taught in the matter of our coast defense. The bombardment of the forts at the straits of the Dardanelles, for instance, has shown that the large guns carried by the modern dreadnaughts far outrange the guns of the forts. The Queen Elizabeth, for instance, has reduced the big guns of some of the forts across the peninsula firing over a hill some hundreds of feet in height. These guns mounted on the dreadnaughts of foreign nations have a caliber of 15 inches and a range of from 12 to 15 miles. Our coast defense guns range from 12 to 14 inches and their range is considerably less. So that in the event of war with a modern military power their ships carrying the big guns could anchor hull down out of range and drop shells into our forts and even the concealed mortar batteries.

This is something to be considered by the men in authority in our army and navy, and particularly by Congress. For this world war has taught us the lesson also that peace agreements count for nothing and that so long as we have military nations it is incumbent upon us all to be able to defend ourselves.

HEALING HARDSHIP.

Really what the world needs seems to be poverty, misfortune and hardship. Reports from Paris are that during the six months of war, infant mortality has been 21 per cent less than during the corresponding six months of last year. Parisian women have had to eat sensible food, wear sensible clothes, do sensible work and stay at home. In grief, poverty and privation they have brought forth children, and these children have, by actual statistics, shown a better chance of life than all their predecessors born to happier times. Husbands have been away at the front, but also husbands have not come home drunk or wasted scanty family earnings.

In the same line is the news that foreign observers have discovered that the sick rate among soldiers in the trenches is much less than the ordinary sick rate among the same people in time of peace. The hardships of exposure mean also the luxury of fresh air. The meager military ration is at least regular and nutritious. Discipline means regular sleep and sobriety. Evidently the trench is less fatal than the cafe.

LICENSING ARCHITECTS.

Effect of the Recent Supreme Court Decision in the State of Illinois—Report of the Board of Examiners of that State—The Enforcement of the Act Now Proposed—Prosecutions to Be Made.

Francis M. Barton, secretary of the Board of Examiners of Architects of the State of Illinois, has presented at the State Convention of Licensed Architects an interesting annual report.

The law requiring architects practicing in that state to be licensed, has been in effect 17 years, but few attempts have been made to enforce its provisions rigidly, until the present board of examiners took office. The legality of the act has been established recently by the Supreme Court, and the board now proposes to enforce the provisions on its broad interpretation.

"We have," says the report, "today 563 licensed architects; 410 architects who were admitted because they were practicing when the law went into effect, and 453 architects who passed examination by the Board. There have been given three regular class examinations since the last biennial report was made as follows: April 15, 16 and 17, 1913; October 14, 15 and 16, 1913; April 14, 15 and 16, 1914; and preparations are now being made for the coming fall examination, which will take place October 20, 21 and 22, 1915, all at the University of Illinois, Urbana. There have also been held four special examinations under the provisions of the 'Board Rule No. 10' (adopted May 10, 1907) and an exception to the same (adopted June 18, 1909). These special examinations have been held at the Board rooms, in Chicago, at the following times: April 7-8, 1913; September 25-26, 1913; March 25, 1914, and June 18, 1914 (also at Urbana). A total of 236 candidates have taken the regular class and special examinations (up to September 30, 1914), and of these 105 have passed and received certificates. Thirty practicing architects of other States received certificates after examination before the Board, by exhibits, and in some cases, after personal attendance.

"This Board agrees, as a unit, in a broad interpretation of the wording of the Act, and in the strictest enforcement of the law. The Board proposes to enforce the Act on its broad interpretation and will only narrow down its interpretation by the decision of the Supreme Court.

"The present Board holds that only a licensed architect can practice in this State, or from this State, and that his license is not transferable or negotiable. Any combination formed for the practice of architecture, except between licensed architects, is illegal and any licensed architect who assists others to practice, who have no license, is guilty of dishonesty, as provided in the Act, and should have his license revoked.

"The Illinois State Board of Examiners of Architects has been in existence for seventeen years, but there was no Supreme Court decision until the present Board assumed office, and practically no court action of any importance that would give to this Board a precedent to follow. For the past

seventeen years we have read a great many legal opinions from eminent lawyers, and there has been much argument among lawyers and among architects and the public as to the meaning of the wording of the Act. This wrangle has existed for seventeen years. The Act was never broadly enforced, but complaints were mostly settled on a compromise which still left the meaning in doubt.

"This Board proposes that at least eight cases of different forms of violation of the Act shall reach the Supreme Court inside of the next year, at which time the courts will definitely settle forever any question as to the proper interpretation of the wording of the Act, that is the rights of the architect and the rights of the public; and when this has been accomplished, then the enforcement of the Act will be a more simple matter. Most of these eight cases are in preparation and some are in court at present. However, it must be borne in mind that the cases selected are cases where the violation is specific of its kind and not complicated by various other elements, so that when a decision is rendered in the Supreme Court it will be clean cut and will apply only to that particular form of violation. In other words, where a decision is made in a case where there are many points at issue the decision is of little value, except as applied to that specific case, but if the decision is based on a simpler issue it will apply to all similar cases and will be of great value to the Board.

"This Board has found its greatest work to be the elimination from the architectural field of various architectural firms, which operate under an alias, such as architectural engineers, civil engineers, industrial engineers, designers, builders, etc. Most of these violations are assisted by a licensed architect who is either financially interested, a partner, or who secures a salary. This Board has eliminated at least 20 such illegal combinations in the last few months and expects to eliminate all others from the architectural field in the near future. These combinations are to a great extent the result of lack of enforcement of the law or improper interpretations of the meaning of the wording of the Act. Attention is called to the fact that all structural engineering on buildings is part of the architect's work and cannot be performed by others, except under the direction of a licensed architect; and that the architect is responsible for all engineering data shown on his sealed plans, whether performed by him or not.

"The present members of the Board have thoroughly analyzed the wording of the Act, and all agree it is the best Act creating any of the Boards of the State of Illinois.

"The Supreme Court has just held that the Act is constitutional, which is the only litigation of any real value this Board has had in seventeen years,

and any change in the wording of the Act would render this decision worthless, as it would not apply to an act which has been changed.

"The architects and public must then wait until the new or changed act is held constitutional in order to enjoy the same security they now have. The Legislature should look with favor on any legislation that will assist the State Board in enforcing the law that has been held constitutional, and the Board wishes the architects to assist it in procuring proper legislation, thus giving the Board legal power to stop all buildings that are started in this State without plans drawn by licensed architects and all structures that are attempted to be supervised by others than a licensed architect, or a superintendent under the control of a licensed architect, as provided by law."

STATE CAPITALS AND STATE PRIDE CALIFORNIA'S OPPORTUNITY

By John Nolen, Sc. D., City Planner,
Cambridge, Mass.

From Pacific Municipalities

Josiah Royce, philosopher, educator and author, now a professor at Harvard, but formerly of San Francisco, has pointed out in a recent essay the need for the people of a given section or State to set up, mold, and express in appropriate ways their particular traditions and ideals. "For me, then," he says, "a province shall mean any one part of a national domain, which is geographically and socially sufficiently unified to have a true consciousness of its own unity, to feel a pride in its own ideals and customs, and to possess a sense of its distinction from other parts of the country. And by the term 'provincialism' I shall mean, first, the tendency of such a province to possess its own customs and ideals; secondly, the totality of these customs and ideals themselves; and thirdly, the love and pride which leads the inhabitants of a province to cherish as their own these traditions, beliefs and aspirations."

The unit for the expression of this kind of idealism, this kind of patriotism, is to be found not so much in the Nation on the one hand or the Cities on the other, but in the sovereign States. The Nation is too large, too varied, and the relation of the whole people to a single city like Washington too indirect and distant, to entirely satisfy this desire; although the Federal Capital will increasingly win the people's pride and affection. The cities are an even less appropriate unit. Their areas are too limited, their population too shifting, their primary purposes too commercial. Certainly, the most favored political unit in this country is the State and the place for the people of a State to express their high traditions and their devotion to all the finer things of life is in the Capital City of the State. Aside from

the construction for the purposes of State Government of a single building, even the grounds and approaches to which are usually altogether inadequate, the various commonwealths have done practically nothing to exalt their Capital City above other cities or to express in it the achievements of the past and the aspirations of the future.

Call the roll of our State Capitals in New England, along the Atlantic seaboard, in the South, in the Middle West, on the Pacific Coast. Is there yet a single one where the legitimate pride of the State has found adequate expression or where the State has used the opportunity afforded by its Capital City to hand on and advance civilization?

In Europe, the attitude of the people is quite different. The Capital City of every kingdom, petty principality or dukedom, which corresponds much more to our State Capitals than to the National Capital, is embellished with splendid palaces, spacious gardens, museums, wide streets and promenades, art galleries, fine sculpture, theatres and opera houses. Dresden, Munich, Frankfurt, in Germany; Florence, Venice, Naples, in Italy; Lucerne, Zurich, Geneva, in Switzerland, are examples of what capital cities abroad have been made through the influence and at the cost of the people of an entire State. Such embellishment has proved a source of new wealth and it is well known that travelers spend millions of dollars and make long visits to these cities, thus justifying in an economic way the wisdom of this enlightened policy.

Sacramento is an illustration of a city that might easily become a worthy expression of the pride and glory of a great State. One of its main functions is to serve as a State Capital. For that purpose it should be planned and replanned as new needs and changing conditions and rising standards require. This applies first of all to the State buildings, their setting and approaches, but it applies with almost equal force to those other features of the city that can only be appropriately developed through the power and co-operation of the State—features, too, that affect vitally the serviceability of Sacramento as a Capital City. For example, the State should take whatever action is necessary (1) to establish all the main thoroughfares of Sacramento, not only within the present city limits, which are narrow, but more especially in those outlying sections which must, sooner or later, form an integral part of the city; (2) to secure for public use, either as highways or open spaces, the most important water frontages which are the crowning features of Sacramento's natural scenery, and (3) to make Sacramento more and more of an educational city through the establishment therein of the various agencies of science, art and culture.

There is no question that both the public and private wealth of California will soon seek to express itself more definitely in art and the higher forms of education. The most natural outlet for this expression will be the City of Sacramento, the permanent seat of government. This spirit may be expected to show itself in a variety of ways. It will be seen in new and

larger applications to the science of engineering and the art of landscape architecture, to the construction of streets, bridges, and all other forms of public works. Architecture will certainly be strongly influenced, because of its intimate relation to everyday life. "Among the arts," wrote Charles Elliot Norton, "the one that has alike the closest and widest relations to the life of a people—to its wants, habits, and culture—and which gives the fullest and most exact expression to its moral dispositions, its imagination and its intelligence is that of architecture." Museums, libraries, public gardens, parks, and natural scenery will also be among these new educational forces.

Sacramento, like other State Capitals, will remain a city of only ordinary public appearance and convenience until the State embraces its peculiar opportunity and assumes its legitimate responsibility. Surely there is as much reason for such a State as California to endeavor to establish a model city as a model ranch. No more possible is it for the little handful of people living in Sacramento now, or even the larger population likely to live there, in the immediate future, to make a worthy State Capital than it was for the people of the District of Columbia to advance Washington to a respectable place among the Capital cities of the world. The case of Washington is clear and convincing and there is a strong analogy between the relation of the Nation to the improvement of Washington and that of the State to the improvement of Sacramento. I am convinced from observation and study that a dignified and appropriate development of the City as a State Capital is impossible by a group of 75,000 or 100,000 people with very limited powers and a small annual budget for all municipal purposes. The larger financial resources, credit and authority of the State must somehow be secured. I believe, therefore, that the State of California will lose one of its greatest opportunities if it fails to conceive of Sacramento, its Capital City, as an educational and art center as well as the seat of the Government.

VALLEJO WANTS CITY ENGINEER.

VALLEJO, Solano Co., Cal.—It is believed that some definite action will soon be taken by the City Council in securing a City Engineer as the paving of several streets is now being considered by the Council. No engineer has been mentioned who may fill the vacancy.

NEW GOVERNMENT PUBLICATIONS.

The superintendent of documents, Washington, D. C., announces that he has for sale at the nominal prices affixed the following recent publications of various departments of the United States Government which relate to business affairs:

Forest planting in Eastern United States; Department of Agriculture bulletin 153; price 10 cents.

Electric lighting: Central electric light and power stations and street and electric railways in United States, calendar year 1912; Census bulletin 124; price 25 cents.

Statistical atlas of United States, 1914, from Census Bureau; price, cloth \$2.50.

Cement: Hydration of Portland cement; Bureau of Standards technologic paper 43; price 20 cents.

Concrete: Electrolysis in concrete, with bibliography; Bureau of Standards technologic paper 18; price 35 cents.

Electric transformers: Watt-hour meter method of testing instrument transformers; Bureau of Standards scientific paper 233; price 5 cents.

Hose: National standard hose couplings and fittings for public fire service; Bureau of Standards circular 50; price 10 cents.

Photometry: Characteristic equations of tungsten filament lamps and their application in heterochromatic photometry; Bureau of Standards scientific paper 238; price 10 cents.

Voltmeter: Studies on silver voltmeter, Bureau of Standards scientific paper 240; price 15 cents.

Shipping masters: List of officers of merchant, steam, motor, and sail vessels licensed during year ended June 30, 1914, Steamboat-Inspection Service; price 15 cents.

American Finance: Government publications relating to revenue, taxation, banking, etc., as sold by the superintendent of documents; copies free.

Mineral resources of the United States, calendar year 1913, part 1. Metals (with bibliographies); annual publication of Geological Survey; price, cloth, 70 cents. Part 2, Nonmetals; price, cloth, \$1.25.

Japanese markets for American lumber; Bureau of Foreign and Domestic Commerce, Special Agents Bulletin 94; price 5 cents.

Rattan supply of the Philippines, Bureau of Foreign and Domestic Commerce, Special Agents Series 95; price 5 cents.

Consular recommendations on South American trade; Bureau of Foreign and Domestic Commerce, Miscellaneous Series 20; price 5 cents.

The pottery industry: Report of the cost of production in the earthenware and china industries of the United States, England, Germany, and Austria; Bureau of Foreign and Domestic Commerce, Miscellaneous Series 21; price 50 cents.

LOS ANGELES TO BUY MONOLITH CEMENT PLANT.

The Monolith cement plant will be purchased by the city and county of Los Angeles, according to a plan outlined between the city council and the supervisors. The city agrees to purchase a three-fourth interest and the county a one-fourth interest. It is to be advertised for \$550,000.

THE TICKLISH ROCK.

A curious example of balanced rocks is that known as the "ticklish rock" in the Allegheny mountains near Picture Rocks, Pa. This rock rests on a slender rock shaft six feet tall, which is jagged and worn and seems scarcely able to support the load. The balanced rock is not attached to this, but rests on a bearing that does not exceed eighteen inches in any direction. It is six feet thick, ten feet long and three feet wide. It is so delicately balanced that it is easily rocked with the hand.

ADVANCE NEWS

Classified according to Character of Work

APARTMENT HOUSES

SAN FRANCISCO—Apartment house, 3 story and base, frame, \$22,000. Architect, none. Owners, McKillop Bros., 540 Cole street, S. F. The building will be erected on the west side of Mission street north of 14th, and has been designed for fourteen small apartments of two and three rooms. Interior will be finished in pine with some elm panels. There will be steam heat and a hot water system. All suites will have wall beds and private bath rooms. Tile wainscot and composition floors will be used in the bath rooms. Exterior of the building will be covered with cement plaster on metal lath. Plans are complete and in the hands of the owners who will do the work by Day Labor. Materials are now being purchased.

SAN FRANCISCO—Apartment house, 5 story and base. Class C construction, \$50,000. Architect, Edward T. Foulkes, Crocker Bldg., S. F. Owners, Columbia Realty Co., represented by Mr. Rosencrans, Crocker Bldg. The building will be erected on the west side of Taylor street north of Sutter. There will be a number of two and three room suites with private baths and wall beds. Plans provide for steam heat, elevator service and a hot water system. Interior will be finished in pine and elm with some hardwood floors. Bath rooms will have tile floors and wainscot. Marble and tile will be used in the entrance lobby. Exterior of the building will be faced with pressed brick trimmed with terra cotta. Plans are complete and figures are being taken.

SAN FRANCISCO—Apartment house, 3 story and base, frame, \$20,000. Architect, none. Owners, McKillop Bros., 540 Cole street, S. F. The building will be erected on the south side of 17th street west of Hartford, covering an area of 39 by 80 feet, and has been designed to contain twelve suites of two and three rooms. Interior will be finished in pine and redwood. Some elm panels are specified. All apartments will have wall beds and private baths. There will be steam heat and a hot water system. Tile wainscot and composition floors will be used in the bath rooms. Exterior of the building will be covered with shiplap and cement plaster on metal lath. Plans are complete and in the hands of the owners who will do the work by Day Labor. Materials are now being purchased.

SAN FRANCISCO—Apartment house, 3 story and base, frame, \$16,000. Architects, Rousseau & Rousseau, 110 Sutter street, S. F. Owner's name withheld. The building will be erected on the south side of Page street near Shrader, and has been designed to contain a number of three and four room apartments. Interior will be finished in pine and hardwood. Imported tapestry will be used. Hardwood floors are specified in the living and dining

rooms. There will be steam heat and a hot water system. All suites will have wall beds and private bath rooms. Both rooms will have tile floors and wainscot. Marble wainscot will be used in the entrance vestibule. Exterior of the building will be covered with cement plaster on metal lath. Plans are complete and figures are being taken.

SAN FRANCISCO—Apartment house, 3 story and base, frame, \$22,000. Architect, none. Owners, McKillop Bros., 540 Cole street, S. F. The building will be erected on the west side of Mission street, north of 14th, and has been designed with stores on the first floor and a total of fourteen suites of two rooms and bath on the upper floors. Interiors will be finished in pine with some elm panels. There will be steam heat and a hot water system. Bath rooms will have imitation tile wainscot and composition floors. All apartments will have wall beds. Exterior of the building will be covered with cement plaster on metal lath. Plans are complete and in the hands of the owners who will do the work by Day Labor. Materials are now being purchased.

OAKLAND, CAL.—Apartment houses, 2, 2 story and base, frame, \$25,000 each. Architects, Rousseau & Rousseau, 110 Sutter street, S. F. Owner's name withheld. These buildings will be erected on 3rd avenue between 14th and 15th streets, and have been designed in the duplex style. Each building will cover an area of 35 by 100 feet, and will contain a number of large suites. Interiors will be finished in pine and hardwood with hardwood floors in the living rooms, dining rooms and reception halls. There will be steam heat, a hot water supply and vacuum cleaning. All suites will have wall beds and private bath rooms. Tile floors and wainscot will be used in the bath rooms. Exteriors of the buildings will be covered with cement plaster on metal lath. The same owner will erect four other similar buildings as soon as the first two are under roof. Plans for these two buildings are now being prepared and will shortly be ready for figures.

OAKLAND, CAL.—Apartment house additions and alterations, frame construction, \$4,000. Architect, none. Owner, W. M. Mann, 1949 7th avenue, Oakland. This work will consist of interior mill work, partitions, plastering, plumbing, painting and electric work. No exterior alterations will be made. Plans are complete and in the hands of the owner who will do the work by Day Labor. Materials are now being purchased.

PORTLAND, ORE.—Apartment house, 5 story and base, brick and reinforced concrete, \$100,000. Architect, none. Owner, R. F. Vassall, 204 East 15th street, Portland. The building will be erected at the northwest corner of 18th and Couch streets, and will cover an area of 100 by 100 feet. In-

terior has been arranged for a total of sixty suites of two, three and four rooms. Interior finish will be of pine and hardwoods with hardwood floors in the living and dining rooms. There will be steam heat, elevator service, dumb waiters, a vacuum cleaning system and hot water system. All suites will have private bath rooms and wall beds. Tile floors and wainscot will be used in the bath rooms. Entrance will be finished in marble and tile. Exterior of the building will be faced with red pressed brick trimmed with white terra cotta. Plans are complete and in the hands of the owner who is now letting subcontracts.

SAN FRANCISCO—Apartment house, 3 story and base, frame, \$12,000. Architects, Rousseau & Rousseau, 110 Sutter street, S. F. Owner, Charles E. Reinhardt, 17th and Kansas streets, S. F. The building will be erected on the south side of Page street west of Shrader, and has been designed to contain six suites of three and four rooms. Basement will be used for a private garage for the tenants. Interiors will be finished in pine, redwood and elm. Hardwood floors will be used in the living and dining rooms. There will be steam heat and hot water system. All rooms will be finished in tile. Wall beds are specified. Exterior of the building will be covered with cement plaster on metal lath. Plans are complete and the work will be done by Day Labor.

SAN FRANCISCO—Apartment house, 4 story and base, brick and steel, \$50,000. Architect, J. F. Dunn, Monadnock Bldg., S. F. Owner, W. H. Humphrey et al. The building will be erected on the north side of Pine street west of Leavenworth and will cover a considerable ground area. There will be a number of two and three room apartments, all of which will have wall beds and private bath rooms. Interior finish will be of pine, hardwood and white enamel. Hardwood floors will be used in the living rooms and reception halls. Plans provide for steam heat, a hot water supply, elevator service and vacuum cleaning. Bath rooms will be finished in tile with composition floors. Marble and tile wainscot will be used in the entrance. Exterior of the building will be faced with pressed brick trimmed with terra cotta. Plans are complete and figures will be called for shortly.

ASTORIA, ORE.—Apartment house, 3 story and base, brick, \$25,000. Architects, MacNaughton & Raymond, Title and Trust Bldg., Portland. Owners, F. I. Dunbar and T. R. Davies. The building will cover an area of 50 by 100 feet, and has been arranged to contain a total of twenty-five apartments of two and three rooms. There will be wall beds and private bath rooms. Interior will be finished in pine throughout. Plans provide for steam heat, a vacuum cleaning system and hot water supply. Bath rooms will be finished in tile. Exterior of

the building will be faced with pressed brick. Plans are complete and separate figures are being taken for the carpentry work, brick work, plumbing, heating and electric work.

PORTLAND ORE.—Apartment house, 4 story and base, brick and steel, \$40,000. Architects, Jacobberger & Smith, Board of Trade Bldg., Portland. Owner, E. A. McGrath. The building will be erected at the corner of Pork and Taylor streets, and has been designed to contain a number of two, three and four room suites. Plans provide for steam heat, elevator service, a hot water supply and vacuum cleaning. All suites will have wall beds and private bath rooms. Interior will be finished in pine and redwood. Some oak floors will be used. Bath rooms will be finished in tile. Exterior of the building will be faced with pressed brick. Plans are complete and figures are now being taken.

BONDS

MONTEREY, MONTEREY CO., CAL.—By resolution, the County Board of Supervisors has ratified and approved the \$250,000 purchase of State Highway bonds made on March 16th, at a premium of \$15,000 and accrued interest. To pay for the same the auditor was directed to draw a warrant for the aggregate said sums—\$252,237.25.

ALAMEDA, ALAMEDA CO., CAL.—The City Council has adopted the ordinance calling for a school bond election, to be held on April 14th. The measure calls for a vote on the question of issuing and selling bonds in the sum of \$200,000 for improvements.

BAKERSFIELD, KERN CO., CAL.—To provide a safe margin of cash to carry forward the work of building highways in this county, the Board of Supervisors has authorized the sale on May 6th of \$500,000 of the Kern County highway bonds. Contracts which will be let between present time and July 1st, it is said, will reduce the funds so that the work on the road system might be held up unless ready money was available.

PHOENIX, ARIZ.—The Board of Supervisors has been informed that school bonds voted in the Madison School District No. 38 have carried. The bonds were for \$15,000. The proceeds of the sale will be used in the construction of a school building.

PRESCOTT, ARIZ.—The Board of Supervisors has accepted the bid of the Union Trust Company of Chicago for the \$250,000 court house bonds, on their bid of \$250,000 and accrued interest. There were six other firms who submitted proposals on the sale. The proceeds will be used in the construction of a new court house building.

CALIFORNIA—State Highway bonds have been purchased by the Boards of Supervisors to finance the construction of the State Highway in the various counties as follows: Humboldt, \$250,000; Imperial, \$100,000; San Diego, \$200,000; Ventura, \$250,000, and Kings, \$50,000.

LONG BEACH, LOS ANGELES CO., CAL.—The Long Beach Consolidated Gas Company of Long Beach has made application to the State Railroad Commission for permission to issue \$100,000 in bonds for the purpose of expending \$80,000 in extending its mains

and lines, and \$20,000 to make improvements to its present plant.

HEBER SCHOOL DISTRICT, IMPERIAL CO., CAL.—A special election will be held to vote bonds of \$6,000 on April 2nd. The proceeds of the sale will be used to erect a school building.

YORBA LINDA, CAL.—The Yorba Linda Water Company has authorized a bonded indebtedness of \$100,000 for the installation of new pipe lines and pumping machinery.

YUMA, ARIZ.—The Board of Supervisors of Yuma County has negotiated the sale of \$500,000 good roads bond issue to Fields-Richards Co. of Kansas City.

LOS ANGELES, CAL.—The Board of Supervisors has accepted the bid of N. W. Halsey Co. for the Los Angeles School District bonds of the par value of \$19,000.

EL PASO, TEXAS.—A committee from the school board, has appeared before the City Council asking that the city bond itself for school purposes to the amount of \$75,000, and that an election be called for \$500,000. Definite results are expected.

FILLMORE, VENTURA CO., CAL.—An election will be held on April 15th in the Camulos School District to vote on the question of issuing and selling bonds in the sum of \$12,000, the money to be used in the erection of a school building. L. M. Sullivan and George Metkby are trustees of the district.

CUCAMONGA, SAN BERNARDINO CO., CAL.—Notice is given that voters of the Cucamonga School District will hold an election to vote bonds in the sum of \$20,000 on April 14th. The proceeds of the sale, should the bonds carry, will be used in the construction of a school.

L. R. Booth, F. B. Van Fleet and George A. Klusman are the trustees of the district and from whom further information may be had.

MIAMI, ARIZ.—The \$75,000 school bond election has carried, and the bonds will be advertised immediately. After being sold the school board will order the erection of a new school building.

MARYSVILLE, YUBA CO., CAL.—The Yuba County Supervisors at a special meeting received five bids for the \$40,000 worth of State Highway bonds purchased by the county last June. The tenders were taken under advisement.

The bids were as follows: N. W. Halsey & Co., San Francisco, \$38,244 and accrued interest to the date of delivery; Bryne & McDonnell, San Francisco, \$38,238; Anglo-London and Paris National Bank, San Francisco, \$38,132; Capital National Bank, Sacramento, \$38,120; Blythe, Witter & Co., San Francisco, \$38,020.

ANACORTES, WASH.—The proposed \$130,000 bond issue for the purpose of purchasing the water system and making extensive improvements has been defeated.

PASO ROBLES, SAN LUIS OBISPO CO., CAL.—An election to vote bonds in the amount of \$1,500,000 will be called by the County Supervisors soon. The bonds are to be voted to raise funds for making a system of good roads throughout the county.

Among the improvements to be made are roads, bridges and laterals:

A highway from San Luis Obispo to San Simeon.

From the southern limits of San Luis Obispo, out Osos Valley to the head of Morro Bay.

From the southern limits of San Luis Obispo to Arroyo Grande via Edna.

From the "Junction House" south of San Luis Obispo to Avila.

From Santa Margarita to Pozo.

Six miles to the east of Templeton.

Six miles to the west of Templeton.

From Posa Robles to Las Tablas—12 miles.

From Paso Robles to the Kern County line—34 miles.

From San Miguel 15 miles to Estrella River.

Through the city limits of Paso Robles.

Through the city limits of Arroyo Grande.

From the northern limits of San Luis Obispo to Toro and Monterey streets.

From Nipomo street to the southern limits of the city.

From Higuera and Broad streets, San Luis Obispo, out Broad street to Edna.

From Higuera street, San Luis Obispo, to southern limits to Osos Valley.

From Monterey street, San Luis Obispo to join Cambria highway.

One bridge across Salinas River at San Miguel.

One bridge across San Luis Creek south of San Luis Obispo.

One bridge across Santa Maria River.

To make this work possible San Luis Obispo, Paso Robles and Arroyo Grande will be asked to turn the streets upon which the work is to be done over to the Board of Supervisors, as provided for by State enactment.

OLYMPIA, WASH.—Governor Lister has signed the appropriation of \$300,000 for the erection of new buildings at the State University.

ELIENSBURG, WASH.—A call for bids for the \$55,000 improvements to the municipal lighting system has been issued and a special election will be held to ratify the bond issue. The improvements include the construction of a building to house the light plant and a new auxiliary turbine, capable of carrying the entire load in an emergency.

SANTA ANA, CAL.—The Board of Supervisors has sold the \$70,000 bonds of the Huntington Beach School District to Frank L. Miller at a premium of \$5,003. There were five other proposals submitted.

COMPTON, LOS ANGELES CO., CAL.—An election will be held on April 2nd to vote on the question of issuing bonds of \$5,000 for the purpose of improving school grounds and purchasing equipment. The election will be voted by citizens of the Willowbrook School District of which J. E. Dodge is a trustee.

BLYTHE, RIVERSIDE CO., CAL.—The School Directors of the Rocky Comfort School District state that word has been received from the county seat to the effect that the bonds recently voted have been sold, and bids for the construction of the building will soon be called for.

OWENSMOUTH, CAL.—The \$100,000 bond issue voted by the Owensmouth Union High School District has been sold to the N. W. Halsey Company at par and accrued interest and a premium of \$8,277.50.

Dennis & Hewitt of Los Angeles are the architects who will design the new high school to be erected.

BRIDGES AND DAMS

WATSONVILLE, SANTA CRUZ CO., CAL. — Bridge, reinforced concrete, \$35,000. Engineers, Leonard & Day, Rialto Bldg., S. F. Owners, Monterey County and City of Watsonville. Plans for the reinforced concrete bridge to be erected by the County of Monterey and the City of Watsonville as prepared by Engineers Leonard & Day have been accepted by the joint bridge board. The work will be of reinforced concrete and has been estimated to cost, \$35,000. Bids will be called for at an early date. Further mention will be made of this work.

CHURCHES

OAKLAND, CAL.—Church, 2 story and base, brick and steel. Cost not stated. Architect, William A. Newman, David Hewes Bldg., S. F. Owners, Second Church of Christ, Scientist. Architect Newman states that an award of contract for this work will be made this week.

COURT HOUSES.

SAN FRANCISCO—City Hall hardware. Cost not stated. Architects, Bakewell & Brown, 251 Kearny street, S. F. Owners, City and County of San Francisco. Plans have been completed and approved for the finish hardware in the new City Hall. Bids are now being taken and will be opened by the Board of Public Works on April 15th. Plans and specifications can be secured from the Board of Works.

OAKLAND, CAL.—City Hall lighting fixtures and exterior lighting. Cost not stated. Architect, Supervising Architect J. J. Donovan, Oakland. Owners, City of Oakland. Plans are complete and figures are now being taken for both the exterior lighting and for the interior lighting fixtures on the new City Hall. Bids will be opened by the City Council on April 1st. Plans and specifications can be secured from the Supervising Architect.

FACTORIES AND WAREHOUSES

SAN FRANCISCO — Factory and warehouse, 5 story and base, reinforced concrete, \$500,000. Architect, Engineering Department California Fruit Cannery, S. F. Owners, California Fruit Cannery Association, 120 Market street, S. F. No details of this work have been officially announced, but it is stated on good authority that the building will be erected on Stockton street near Bay. Construction will be fireproof. Plans are now being prepared by the engineering department and further mention will be made of the work.

SAN FRANCISCO—Carpentry shop, 1 story, brick, \$2,500. Architect, none. Owners, Swensen & Franzen, 230 Tehama street, S. F. The building will be erected on the south side of Natoma street west of New Montgomery, covering an area of 25 by 80 feet. No interior finish will be used. Exterior will be faced with stock brick. Plans are complete and in the hands of the owners who will do the work by Day Labor.

OAKLAND, CAL.—Warehouse foundation work, etc., 1 story, steel. Cost not stated. Engineer, Oakland Harbor Engineer, City Hall, Oakland. Owners, City of Oakland. Bids opened Friday last for the foundation work and asbestos metal covering for this building show L. B. Withers, Oakland, low on the foundation work at \$1,140, and the Asbestos Protected Metal Co. low on the asbestos covering at \$22.69 per square. A complete list of the bids will be found under the heading of Oakland and Alameda County in this issue.

OAKLAND, CAL.—Electric substation, 1 story, brick, \$3,500. Architect, none. Owners, Pacific Gas and Electric Co., 13th and Clay streets, Oakland. Plans have been completed for altering the present station at the corner of 24th avenue and Railroad from a frame structure into a brick building. The work will be done by Day Labor. Materials are now being purchased.

LOS ANGELES, CAL.—Warehouse, 4 story and base. Class A construction. Cost not stated. Architect, A. C. Martin, Higgins Bldg., L. A. Owner, August Wolfarth. The building will be erected on West Pico street and will have a frontage of 50 feet and a depth of 130 feet. Construction will be of reinforced concrete throughout. Interior will be finished in pine. Hollow tile interior partitions and metal window sash and frames are specified. There will be modern plumbing and electric work and a freight elevator. Exterior of the building will be faced with cement plaster. Plans are now being prepared.

ST. JOHNS, ORE.—Cooperage plant, frame and reinforced concrete. Cost not stated. Architect, L. R. Bailey, Abington Bldg., Portland. Owners, Western Cooperage Co. Plans and specifications have been completed for the Western Cooperage Co.'s new plant. Construction on the first unit of the new structure has been started. The entire group of structures measure about 900 feet in length. Many of the buildings will be of frame while others will be of brick and reinforced concrete. Special machinery will be installed. Trackage to the various buildings will be provided. About 1,000,000 feet of lumber will be required. Bids for the various parts of the work will be called for as the work progresses.

Contracts Awarded.

PORTLAND, ORE.—Factory and offices, 2 story and base, brick, \$35,000. Architects, Jacobberger & Smith, Board of Trade Bldg., Portland. Owners, Coin Machine Co. Contractor, James P. Taylor, Macleay Bldg., Portland. Contract price, \$35,000.

FLATS

SAN FRANCISCO—Flats, 3, 2 story and base, frame, \$4,000 each. Architect, Edward E. Young 251 Kearny street, S. F. Owner, Thomas Scoble, 363 14th avenue, S. F. These buildings will be erected on Anza street west of 20th avenue, and each has been designed to contain two modern flats of five rooms. Interiors will be finished in pine and redwood. Hardwood floors will be used in the living rooms, dining rooms and reception halls. There will be open fire places and tile or

brick mantels. Bath rooms will have imitation tile wainscot. Automatic water heaters will be installed. Exteriors will be covered with rustic and cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor. Materials are now being purchased.

STOCKTON, SAN JOAQUIN CO., CAL.—Flats, 2 story and base, frame, \$8,000. Architect, Ralph P. Morrell, Odd Fellows' Bldg., Stockton. Owner, J. Greenberg. The building will be erected on East Fremont street and has been designed to contain two modern flats of six rooms each. Interiors will be finished in pine throughout. Hardwood floors will be used in the living rooms, dining rooms and reception halls. There will be furnace heat and open fire places. Mantels will be of tile or brick. Bath rooms will have tile wainscot. Automatic water heaters will be installed. Two wall beds are specified. Exterior of the building will be covered with rustic and shingles. Plans are now being prepared.

GARAGES

PORTLAND, ORE.—Garage and sales rooms, 2 story and base, brick, \$40,000. Architects, Jacobberger & Smith, Board of Trade Bldg., Portland. Owner, Gay Lombard. The building will be erected at the southwest corner of Davis and Broadway, covering an area of 90 by 100 feet. Interior has been arranged for sales rooms in the front portion of the main floor, shipping room and repair shop in the rear and storage space on the second floor. Interior of the sales rooms will be finished in tile and hardwood. There will be metal window sash and frames. Exterior of the building will be faced with pressed brick. Plans are nearly complete and figures will be called for at once.

GOVERNMENT WORK & SUPPLIES

Canal Circular 891.

The following bids were opened on March 17 by the general purchasing officer, Panama Canal, for material for the pumping plant of dry dock No. 1, Balboa terminals:

The material is called for in one class composed of the following four items: Item 1, design, fabrication, and delivery on the isthmus of all parts up to the limits defined in the specifications generally; item 2, design of all parts up to limits defined in the specifications generally, fabrication and delivery on the isthmus of all parts except structure up to other limits defined in the specification; 3, alternate to item 1 for the complete work in accordance with the spirit of the specification with such modifications of specifications generally, fabrication and desire to offer; item 4, alternate to item 2 for the complete work in accordance with the spirit of the specification and the amount of the work to be done under item 2 with such modifications or methods and details as the bidder may desire to offer.

Bid 1, Alberger Pump and Condenser Co., 140 Cedar street, New York City, item 1, \$147,845. Deliveries: A, 20 days; B, 45 days; C, 90 days; D, 90 days; E, 150 days; F, 210 days. Alternate proposition covering thrust bear-

ings, deduct \$500. Price for automatic starters, \$650, and for safety catches, \$128.

Bid 2. Allis-Chalmers Co., Milwaukee, Wis., item 4, \$179,000. For subitem A, deduct \$1,500. Deliveries: A, 30 days; B, 60 days; C, 120 days; F, 260 days.

Bid 3. Hanscom Construction Co., 70 Kilby street, Boston, Mass., item 1, \$153,172. Deliveries: A, 30 days; B, 45 days; C, 90 days; D, 90 days; E, 150 days; F, 210 days. Item 2, \$143,676. Deliveries: A, 30 days; B, 45 days; C, 90 days; F, 210 days. For subitem B, \$1. Alternate thrust bearings, deduct \$610. Automatic control, add \$650. Safety catches, add \$128. For electrical equipment by the Westinghouse Electric and Manufacturing Co., their proposition, No. 1, deduct \$4,340; No. 2, \$3,040; No. 3, \$3,340. If Lunkenheimer lubricating system is used, deduct \$1,650. For cast iron expansion pieces, deduct \$95, \$80, and \$75, according to size.

Bid 4. Charles C. Moore & Co., Sheldon Building, San Francisco, Cal., item 1, \$185,000; 2, \$172,000; 3, \$181,539; 4, \$168,539. Deliveries, item 1: A, 30 days; B, 45 days; C, 90 days; D, 90 days; E, 150 days; F, 210 days; item 2, A, 30 days; B, 45 days; C, 90 days; F, 210 days; item 3, same as item 1; item 4, same as item 2.

Bid 5. Poole Engineering and Machine Co., Woodbury, Baltimore, Md., item 1, \$154,500. Deliveries: A, 30 days; B, 45 days; C, 90 days; D, 90 days; E, 150 days; F, 210 days. For automatic control, add \$715.50. For safety catches, add \$153.

Bid 6. R. D. Wood & Co., 400 Chestnut street, Philadelphia, Pa., item 1, \$144,500. Deliveries: A, 30 days; B, 45 days; C, 90 days; D, 90 days; E, 150 days; F, 210 days. Item 2, \$133,000. Deliveries: A, 30 days; B, 45 days; C, 90 days; F, 210 days. Using Westinghouse equipment, add \$1,500 or \$1,100. For Ludlow valves, add \$1,050. For Roe-Stevens valves, deduct \$2,600. For Chapman valves, deduct \$3,500. For Rensselaer valves, deduct \$3,500. If Deane triple pump may be used, deduct \$1,000. For galvanized iron piping below first floor, deduct \$2,700. If certain shop test may be eliminated, deduct from Westinghouse combinations \$725, \$150, \$125, and \$100.

Bid 7. A. S. Cameron Steam Pump Works, 11 Broadway, New York City, item 1, \$153,284. Deliveries: A, 30 days; B, 45 days; C, 90 days; D, 90 days; E, 150 days; F, 210 days. Deduct for Westinghouse equipment, \$3,872; for Pittsburgh valves, \$3,342, or for Chapman valves, \$5,082.

Bid 8. H. R. Worthington, 115 Broadway, New York City, item 1, \$140,834. Deliveries: A, 30 days; B, 10 days; C, 90 days; D, 90 days; E, 150 days; F, 210 days. Using Westinghouse equipment, bidder's proposition: A, deduct \$1,050; B, add \$250; C, deduct \$50. For Pittsburgh valves, add \$2,817. Alternate, thrust bearings with General Electric equipment, deduct \$590; with Westinghouse equipment, deduct \$165. For automatic control, add \$675. For safety catches, add \$128. If Brown Hoist Company's hand-power crane may be used, deduct \$280.

A letter was received from the General Electric Company, certified to be a part of the following bid, directing that the amounts indicated be deducted

from the total of the bids submitted by the companies for the use of General Electric equipment: Alberger Pump and Condenser Co., \$7,592; A. S. Cameron Steam Pump Works, \$7,592; Hanscom Construction Co., \$7,506; Poole Engineering and Machine Co., \$7,897; Henry R. Worthington, \$7,506.

Canal Circular 892.

The following bids were received by the general purchasing officer, Panama Canal, Washington, D. C., March 17, for furnishing material for pumping plant of dry dock No. 1, Balboa terminals:

The material is called for in one class divided into 3 items, as follows:

Item 1, for valves and accessories based on the use of water under a pressure of approximately 300 pounds per square inch; 2, material for valves and accessories based on the use of water direct from main; 3, material for valves and accessories based on use of compressed air from existing compressor plant.

Bid 1. Pittsburgh Valve Foundry & Construction Co., Pittsburgh, Pa., item 1, \$62,500; time, 120 and 225 days; for subitem A, \$945; allowance for American bitumastic coating, \$1,600.

Bid 2. Poole Engineering & Machine Co., Woodbury, Baltimore, Md., item 1, \$51,225; 90 and 180 days; subitem A, \$920.

Bid 3. Seattle Construction & Dry Dock Co., Seattle, Wash., for delivery at Seattle, item 1, \$55,000; 2, \$64,000; 3, \$59,000; delivery all items 80 to 155 days; subitem A, \$1,600.

Bid 4. R. D. Wood & Co., Philadelphia, Pa., item 1, \$47,500, 90 to 180 days, subitem A, \$1,600.

San Diego, Cal., Radio Towers.

The Isbell Construction Co., of 3969 Oregon street, San Diego, Cal., presented the successful bid at \$7,215 for radio tower foundation at San Diego, Cal.

Wood Stave Pipe.

The Secretary of the Interior has authorized the Reclamation Service to execute contract with the Pacific Tank & Pipe Co., of Portland, Ore., for furnishing 4,800 linear feet of 46-inch continuous wood stave pipe for the Outlook irrigation district, Sunnyside unit, Yakima irrigation project, Wash. The contract price is \$11,345.45.

Machine-Banded Wood Pipe.

Under authority of the Secretary of the Interior contract has been awarded to the Pacific Tank & Pipe Co., of Portland, Ore., for furnishing for the Sunnyside irrigation district, Sunnyside unit, Yakima project, Wash., 5,520 linear feet of 20-inch machine-banded wood pipe, the contract price being \$2,633.04, f. o. b. contractor's shipping point.

Pablo Lateral, Earthwork.

Under authority of the Secretary of the Interior contract has been awarded to A. L. Markhus, of Polson, Mont., for the earthwork on Pablo lateral A and sublaterals of the Flathead proj-

ect, Mont., for a total price of \$16,570. The work involved is about 110,000 cubic yards of excavation.

Cavite, P. I., Foundation Work.

The following bids were received by the chief of the bureau of yards and docks, Navy Department, Washington, D. C., for the construction of a concrete and tile foundation for three 600-foot steel radio towers at the naval station, Cavite, P. I.:

Henry Monk, Pensacola, Fla., \$26,640.

Bids for the construction of the above foundations were opened simultaneously at Manila, P. I.

Highline Canal.

The Secretary of the Interior has authorized award of contract to the Wahsatch Grading Co., 312 Dooley Block, Salt Lake City, Utah, for the construction of lateral 30 of Division 5, Highline Canal, Strawberry Valley project, Utah, at a total price of \$47,083.62. The work involves approximately 49,000 yards of earthwork and 3,670 yards of reinforced concrete and is located near Payson City, Utah.

Pumping Units.

The Secretary of the Interior has authorized award of contract to Charles C. Moore & Co., of San Francisco, Cal., for furnishing direct pumping units for the pumping plant of the Outlook irrigation district, Sunnyside unit, Yakima project, Wash., the material to be delivered by the contractor at the railroad station nearest the point of installation at a total cost of \$10,611.

SAN FRANCISCO—Life saving station, brick construction, \$10,000. Engineer's name not given. Owners, United States Government. Daniel O'Neill, 278 Natoma street, S. F., will probably be awarded the contract for constructing the new Life Saving Station to be erected at Fort Point. His bid for this work was \$9,772, the lowest of seven bids submitted. The work will consist of brick and frame.

Douglas, Wyo., Changes.

The bid of J. F. Jenkins & Co., Douglas, Wyo., \$500 in amount, for changes in the drainage system in connection with the construction of the U. S. post office at Douglas, Wyo., has been rejected. This work has, however, been ordered by the department under original contract at \$400 additional.

HALLS AND SOCIETY BUILDINGS

HAYWARD, ALAMEDA CO., CAL.—Civic center hall, 1 story, frame and plaster. Cost not stated. Architects, Thomas & Oliver, Pantages Theatre Bldg., Oakland. Owners, Little Landers. The building has been designed in the Mission style and will be used as a meeting place for the colony settling in Hayward Heath. Interior will contain an auditorium and committee rooms. Interior finish will be of pine and redwood. Exterior of the building will be covered with cement plaster on metal lath. Plans are being prepared.

STOCKTON, SAN JOAQUIN CO., CAL.—Country Club, 1½ story and base, frame, \$10,000. Architect, C. B. Brown, Masonic Temple, Stockton. Owners, Stockton Country Club. The building will be erected on the bank of the San Joaquin River, just outside the city limits, and has been designed similar to a large residence. Interior finish will be of pine with hardwood floors in the principal rooms. There will be large open fire places and tile or brick mantels. Exterior of the building will be covered with rustic and shingles. Plans are being prepared.

HOSPITALS

SAN FRANCISCO—Hospital, 6 story and base. Class A construction, \$650,000. Architect, Lewis P. Hobart, Crocker Bldg., S. F. Owners, Regents of the University of California. The building will be erected at the corner of 4th and Parnassus avenues near the Affiliated Colleges, and when complete will be one of the most modern and up-to-date hospitals in the United States. Plans for the structural steel work have been completed and are now out for figures. Bids will be opened on April 14th. Plans and specifications can be secured from the office of the architect.

FRESNO, FRESNO CO., CAL.—Ward and physician's residence, 1 and 2 story, frame. Cost not stated. Architects, Glass & Butner, Rowell Bldg., Fresno. Owners, Fresno County. Plans for a large residence for the physician and for a tuberculosis ward to be erected at the County Infirmary have been completed. Bids are now being taken and will be opened on April 14th. Plans and specifications can be secured from the architects' office.

PATTON, SAN BERNARDINO CO., CAL.—Superintendent's residence, 2 story and base, frame. Cost not stated. Architect, State Architect George B. McDougall, Sacramento. Owners, State of California. Revised plans for this work have been completed and new figures are now being called. Bids will be opened on April 27th. Interior finish will be of pine with some hardwood floors. Bath rooms will be finished in tile. Mantels will be of tile or brick. Exterior of the building will be covered with cement plaster on metal lath. Plans can be secured from the office of the State Architect. An official proposal appears in another column of this issue.

Contracts Awarded.

MARTINEZ, CONTRA COSTA CO., CAL.—Hospital lighting fixtures. Cost not stated. Architect, W. H. Weeks, 75 Post street, S. F. Owners, Contra Costa County. Contractor, J. E. Rodgers, Jr. Contract price, \$619.75.

HOTELS

SAN FRANCISCO—Hotel and stores, 3 story and base, brick and steel, \$25,000. Architect, D. J. Patterson, Mechanics' Institute Bldg., S. F. Owner, Louis Gassner. The building will be erected on the east side of Stockton street, south of Clay, having a frontage of 67 feet and a depth of 68 feet. There will be three stores on the first floor besides the hotel entrance and lobby. Upper floors will be arranged

for single rooms and baths. Interior finish will be largely of pine. There will be steam heat and a hot water system. Patent store fronts are specified. Bath rooms will have imitation tile wainscot and composition floors. Exterior of the building will be faced with pressed brick. Plans are complete and the work will be done by Day Labor under the direction of the architect.

SAN FRANCISCO—Hotel and stores, 5 story and base, brick and steel, \$80,000. Architect, William H. Crim, Jr., 425 Kearny street, S. F. Owner, I. I. Dehail, Los Angeles. The building will be erected at the southwest corner of Market and 12th street, covering a large irregular lot. There will be five stores on the first floor besides the hotel office and lobby. Upper floors will contain a total of 210 rooms and a number of private and public baths. Interiors will be finished in pine throughout. There will be steam heat, elevator service, hot water supply, vacuum cleaning and patent store fronts. Exterior of the building will be faced with pressed brick. Plans are complete and figures are being taken.

CALEXICO, IMPERIAL CO., CAL.—Hotel and stores, 2 story and base, steel and brick. Cost not stated. Architects, A. W. Rea and C. E. Garstang, Black Bldg., L. A. Owner, F. C. Paulin. The building will be erected on a corner lot, covering an area of 60 by 130 feet. There will be five stores on the first floor and 31 rooms and several baths on the upper floor. Interior trim will be of pine throughout. There will be a hot water system. Patent store fronts are specified. Exterior of the building will be faced with enameled brick. Plans are now being prepared.

LIBRARIES

WILLITS, MENDOCINO CO., CAL.—Library, 1 story and base, reinforced concrete, \$10,000. Architect, Tobias Bearwald, Merchants' National Bank Bldg., S. F. Owners, City of Willits. The building has been designed in the classic style and will contain one large reading room, stack rooms and office for the librarian. Interior will be finished in pine and redwood. A maple floor will be used. There will be furnace heat. Metal book stacks are specified. Exterior of the building will be faced with cement plaster. Plans are complete and figures will be called for by the end of this week.

MONUMENT.

SAN JOSE, SANTA CLARA CO., CAL.—Monument, concrete, bronze and stone. Cost not stated. Architect, Paul P. Cret, Philadelphia, Pa. Owner, Neglee Memorial Association. Architect, Paul P. Cret of Philadelphia is being represented in San Francisco by Architect August G. Headman, New Call Bldg., at whose office within a week can be secured plans and specifications for the Neglee Memorial Monument, to be erected in San Jose. Concrete, marble and stone will be used in the construction. The sculpture is by Dr. McKenzie of Philadelphia.

POST OFFICES

Contracts Awarded.

BERKELEY, ALAMEDA CO., CAL.—Post office lighting fixtures. Cost not stated. Architect, Supervising Architect Oscar Wenderoth, Washington, D. C. Owners, United States Government. Contractors, Ickelheimer Bros., S. F. Contract price, \$2,000.

RESIDENCES.

SAN FRANCISCO—Residences, 2, 2 story and base, frame, \$7,000 each. Architect, William F. Gunnison, 14 Montgomery street, S. F. Owner, Theo Rulfs. These dwellings will be erected in Forest Hill, and has been designed for high class homes containing eight rooms and two baths. Interiors will be finished in pine and hardwood with white enamel in the bed rooms. Hardwood floors will be used throughout. Plans provide for furnace heat and open fire places. Mantels will be of tile and brick. Bath rooms will have tile floors and wainscot. Each bed room will have a large sleeping porch. Exteriors will be covered with cement plaster on metal lath. Plans are complete and the work will be done by Day Labor. Materials are now being purchased.

SAN FRANCISCO—Residence, 2 story and base, frame, \$3,000. Architect, none. Owner, Jacob Thorup, 281 26th avenue, S. F. The dwelling has been designed for a seven-room house and will be erected on the west side of 18th avenue north of Balboa street. Interior will be finished in pine and redwood with some elm panels. Hardwood floors will be used in the living room, dining room and reception hall. There will be open fire places and tile or brick mantels. Bath room will have tile wainscot. An automatic water heater will be installed. Exterior of the dwelling will be covered with rustic and cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor. Materials are being purchased.

SAN FRANCISCO—Residences, 3, 1 story and base, frame, \$1,000 each. Architect, none. Owner, N. J. Nelson, 4278 23rd street, S. F. These houses will be erected on Wanda street north of Onondaga, and each has been designed to contain five rooms and bath. Interiors will be finished in pine and redwood. Hardwood floors will be used. There will be open fire places and tile mantels. Tile wainscot will be used in the bath rooms. Exteriors will be covered with rustic and cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor.

SAN FRANCISCO—Residence, 2 story and base, frame, \$6,500. Architect, none. Owners, Conservative Building and Investment Co., Phelan Bldg., S. F. The dwelling will be erected at the northeast corner of 14th avenue and Clement street and has been designed for an eight-room with bath and sleeping porch. Interior finish will be of pine, redwood and hardwood. Some white enamel will be used. There will be furnace heat and open fire places. Hardwood floors will be used in the living room, dining room and reception hall. Bath room will be finished in tile. A hot water

circulating system will be installed. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are complete and in the hands of the owners who will do the work by Day Labor. Materials are now being purchased.

SAN FRANCISCO — Residence, 2 story, attic and base, frame, \$12,000. Architect, Charles J. Rousseau, 46 Kearny street, S. F. Owner, L. Allen. The dwelling will be erected in Windsor Terrace and has been designed to contain nine rooms, two baths and sleeping porch. A separate garage will be erected on the property. Interior of the house will be finished in pine and janisero with white enamel in the bed rooms. There will be furnace heat, open fire places and a hot water circulating system. Bath rooms will be finished in tile. A vacuum cleaning system will be installed. Exterior of both house and garage will be covered with cement plaster on metal lath. Plans are nearly complete and the work will be done by Day Labor.

SAN FRANCISCO—Residence, 2 story and base, frame, \$5,000. Architect, E. E. Young, 251 Kearny street, S. F. Owner, Thomas Scoble, 363 14th avenue, S. F. The dwelling will be erected on the west side of Jordan avenue near Geary, and has been designed to contain eight rooms and bath. Interior finish will be of pine and redwood with some hardwood veneer and white enamel. Hardwood floors will be used in the living room, dining room and reception hall. Plans provide for furnace heat and open fire places. Mantels will be of tile or brick. An automatic water heater will be installed. Exterior of the dwelling will be covered with rustic and cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor. Materials are now being purchased.

SAN FRANCISCO—Residence, 2 story and base, frame, \$3,000. Architect, none. Owners, Costello & Ferrick, 93 College avenue, S. F. The dwelling will be erected on the west side of 16th avenue north of Balboa street, and has been designed for a six-room house with bath. Interior will be finished in pine and redwood with some hardwood veneer. Hardwood floors will be used in the living room, dining room and reception hall. There will be furnace heat and open fire places. Mantels will be of tile or brick. Tile floors and wainscot will be used in the bath room. An automatic water heater will be installed. Exterior of the house will be covered with cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor.

OAKLAND, CAL.—Residence, 2 story and base, frame, \$3,000. Architect, Alvin J. Stern, 306 14th street, Oakland. Owner, W. R. Plunkett. The dwelling has been designed for a six-room house and will be erected on 4th avenue. Interior will be finished in pine, redwood and white enamel. Hardwood floors will be used in the principal rooms. There will be furnace heat and open fire places. Mantels will be of tile and brick. Tile wainscot will be used in the bath room. An automatic water heater will be installed. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are complete and the

work will be done by Day Labor under the direction of the architect.

OAKLAND, CAL.—Residence, 2 story and base, frame, \$7,000. Architect, Henry H. Gutterson, 80 Post street, S. F. Owners, Claremont Land Co. The dwelling has been designed to contain eight rooms, sleeping porch and two baths, and will be erected in the Claremont Tract. Interior will be finished in pine, hardwood and white enamel. Hardwood floors will be used in the living room, dining room and reception hall. There will be furnace heat and open fire places. Mantels will be of tile and brick. A hot water circulating system will be installed. Tile floors and wainscot will be used in the bath rooms. Exterior of the dwelling will be covered with cement plaster on metal lath. A garage will be erected in the rear of the property. Plans are complete and the work will be done by Day Labor under the direction of the architect.

OAKLAND, CAL.—Residence, 2 story and base, frame, \$5,000. Architect, none. Owner, H. M. Swalley, 710 Walker avenue, Oakland. The dwelling will be erected on Lakeshore avenue north of Rosal, and has been designed for a seven-room house with bath and sleeping porch. Interior will be finished in pine, hardwood and some white enamel. Hardwood floors will be used in the principal rooms. There will be furnace heat and open fire places. Mantels will be of tile and brick. Tile floor and wainscot will be used in the bath rooms. An automatic water heater is specified. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor. Materials are now being purchased.

OAKLAND, CAL. — Residence, 1½ story and base, frame, \$2,500. Architect, George B. Bellamy, 1631 37th avenue, Oakland. Owner, Mr. Botton. The dwelling will be erected on High street near Peralta, and has been designed for a five-room house with bath. Interior will be finished in pine and redwood. Hardwood floors will be used in the living and dining rooms. There will be a large open fire place in the living room. Mantels will be of tile. Tile wainscot will be used in the bath room and kitchen. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are now being figured.

OAKLAND, CAL.—Residence, 2 story and base, frame. Cost not stated. Architect, Charles W. McCall, Central Bank Bldg., Oakland. Owner, K. C. Paul. The dwelling will be erected on Lakeshore avenue, and has been designed for a seven-room house with bath and sleeping porch. Interior will be finished in pine, redwood, hardwood and white enamel. Hardwood floors will be used in the living room, dining room and reception hall. There will be furnace heat and open fire places. Mantels will be of tile and brick. Bath room will have tile floor and wainscot. An automatic water heater will be installed. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are complete and now out for figures.

OAKLAND, CAL.—Residence, 2 story and base, frame, \$6,500. Architect, Charles W. McCall, Central Bank

Bldg., Oakland. Owners, Wickham-Havens Co. The dwelling has been designed for an eight-room house with two baths and sleeping porch, and will be erected in the Crocker Highlands. Interior will be finished in pine and hardwood with white enamel in the bed rooms. There will be hardwood floors in the principal rooms. Plans provide for furnace heat and open fire places. Mantels will be of tile and brick. Tile floor and wainscot will be used in the bath rooms. An automatic water heater is specified. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are complete and figures are now being taken by the owners.

OAKLAND, CAL.—Residence, 2 story and base, frame, \$8,000. Architect, Charles W. McCall, Central Bank Bldg., Oakland. Owner, Dr. J. L. Milton. The dwelling will contain nine rooms, two baths and sleeping porches. A separate garage will be erected on the property. The dwelling will be erected in the Crocker Highlands. Interior will be finished in pine and hardwood with white enamel in the bed rooms. There will be hardwood floors throughout. Plans provide for furnace heat and open fire places. Mantels will be of tile and brick. A hot water circulating system will be installed. Exterior of the dwelling and garage will be covered with cement plaster on metal lath. Plans are complete and figures are being taken.

WOODBIDGE, SAN JOAQUIN CO., CAL.—Residence, 2 story and base, frame, \$3,500. Architect, Joseph Losekann, San Joaquin Bldg., Stockton. Owner, J. S. Gerard. The dwelling will be erected near Woodbridge, and has been designed for a seven-room house with bath and sleeping porch. Interior will be finished in pine and redwood. Hardwood floors will be used in the principal rooms. There will be furnace heat and open fire places. Mantels will be of tile and brick. Bath room will have imitation tile floor and wainscot. An automatic water heater will be installed. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are complete and figures are being taken.

SAN JOSE, SANTA CLARA CO., CAL.—Residence, 2 story and base, frame, \$2,500. Architect, none. Owner, J. L. Haskins, 1149 Park avenue, San Jose. The dwelling will contain five rooms and bath. Interior will be finished in pine and redwood. Hardwood floors will be used in the dining room and living room. There will be an open fire place and tile mantel. Bath room will be finished in imitation tile. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor. Materials are now being purchased.

SAN JOSE, SANTA CLARA CO., CAL.—Residence, 2 story and base, frame, \$2,500. Architect, none. Owner, J. A. Weldon, 639 Willis avenue, San Jose. The dwelling has been designed for a six-room house and will be erected at the corner of 15th and Washington streets. Interior finish will be of pine and redwood. Hardwood floors will be used in the living room and dining room. There will be a large open fire place in the living room. Mantel will be of tile or brick. An automatic

water heater will be installed. Bath room will be finished in imitation tile. Exterior of the house will be covered with rustic and cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor.

SAN FRANCISCO—Residence, 2 story and base, frame, \$6,500. Architects, Falch & Knoll, Hearst Bldg., S. F. Owner's name withheld. The dwelling will be erected in Forest Hill, and has been designed for an eight-room house with two baths and sleeping porch. A separate garage will be erected in the rear of the lot. Interior of the dwelling will be finished in pine and hardwood with white enamel in the bed rooms. There will be hardwood floors. Plans provide for furnace heat and open fire places. Mantels will be of tile or brick. Bath rooms will be finished in tile. A hot water circulating system will be installed. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are being prepared.

SAN FRANCISCO—Residence, 2 story and base, frame, \$3,000. Architect, none. Owner, F. Nelson, 30 Presidio Terrace, S. F. The dwelling will be erected at the southeast corner of Lincoln Way and 29th avenue, and has been designed for a five-room house with bath and sleeping porch. Interior will be finished in pine and redwood. Hardwood floors will be used in the principal rooms. There will be open fire places and tile or brick mantels. Imitation tile wainscot will be used in the bath rooms. An automatic water heater will be installed. Exterior of the house will be covered with cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor.

OAKLAND, CAL.—Bungalows, 12, 1 story and base, frame, \$2,000 each. Architect, none. Owners, Peralta Investment Co., 1957 East 38th street, Oakland. These dwellings will be erected on Rhoda avenue near Madeline, and each has been designed to contain five rooms and bath. Interiors will be finished in pine and redwood. Some oak floors will be used. There will be open fire places and tile or brick mantels. Imitation tile will be used in the bath rooms. Exteriors will be covered with rustic and cement plaster on metal lath. Plans are complete and in the hands of the owners who will do the work by Day Labor. Materials are now being purchased.

FRESNO, FRESNO CO., CAL.—Residence, 2 story and base, frame, \$5,500. Architect, Frederick L. Swartz, Rowell Bldg., Fresno. Owner, J. B. Goodman. The dwelling has been designed for a seven-room house and will be erected on T street near Tulare. Interior will be finished in pine and redwood. Hardwood floors will be used in the living and dining rooms. There will be furnace heat and open fire places. Mantels will be of tile and brick. Tile wainscot will be used in the bath room. An automatic water heater will be installed. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are now being prepared.

LA CANADA, LOS ANGELES CO., CAL.—Residence, 2 story and base, hollow tile. Cost not stated. Architect's name not given. Owner, Mal-

colm McNaughton, Investment Bldg., L. A. The dwelling has been designed for a large country home and will contain in the neighborhood of 14 rooms, three baths and sleeping porches. Interior finish will be of hardwood and white enamel. Hardwood floors will be used throughout. There will be a central heating system, hot water circulating system and vacuum cleaning. Open fire places and tile and brick mantels will be used. Bath rooms will be finished in tile. Exterior of the building will be covered with cement plaster. Plans are complete and in the hands of the owner who will do the work by Day Labor.

SAN FRANCISCO—Residence, 2 story and base, frame, \$6,000. Architect, Charles J. Rousseau, 46 Kearny street, S. F. Owner, John Little. The dwelling has been designed for a seven-room house, and will be erected on the west side of 11th avenue, between Anza and Balboa streets. Interior will be finished in pine and hardwood with some white enamel. Hardwood floors will be used in the principal rooms. There will be furnace heat and open fire places. Mantels will be of tile and brick. Bath room will be finished in tile. An automatic water heater will be installed. Exterior of the house will be covered with cement plaster on metal lath. Plans are complete and the work will be done by Day Labor.

SAN FRANCISCO—Residences, 20, 2 story and base, frame, \$3,500 to \$6,000. Architect's name not given. Owner, F. Temple Hilton, Phelan Bldg., S. F. These dwellings will be erected on property recently purchased in the Sunset District. The dwellings will contain from five to eight rooms and will be finished in pine and hardwoods. Hardwood floors will be used in the principal rooms. The more expensive homes will have furnace heat. There will be open fire places and tile and brick mantels. Bath rooms will be finished in tile. Exteriors will be covered with rustic, brick veneer and cement plaster on metal lath. Plans are complete and the work will be done by Day Labor.

OAKLAND, CAL.—Residence, 2 story and base, frame, \$3,500. Architect, John Carson, Bacon Bldg., Oakland. Owner, E. J. Lloyd, 1057 Walker avenue, Oakland. The dwelling will be erected on Walker avenue near Boulevard Way, and has been designed for an eight-room house with bath and sleeping porch. Interior will be finished in pine and redwood with some hardwood veneer. Hardwood floors will be used throughout. There will be furnace heat and open fire places. Mantels will be of tile or brick. Tile wainscot will be used in the bath room. An automatic water heater will be installed. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are complete and the work will be done by Day Labor.

OAKLAND, CAL.—Bungalow, 1 story and base, frame, \$5,000. Architect, none. Owner, John A. Bischoff, 6045 Hardwood avenue, Oakland. The dwelling will be erected on 63rd street east of Hillegass, and has been designed to contain seven rooms and bath. Interior will be finished in pine and hardwood. Hardwood floors will be used in the living room, dining

room and reception hall. There will be furnace heat and open fire places. Mantels will be of tile and brick. Bath room will be finished in tile. An automatic water heater will be installed. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor.

Contracts Awarded.

EASTON, SAN MATEO CO., CAL.—Residence, 2 story and base, frame, \$5,500. Architect, Fay Spangler, Monadnock Bldg., S. F. Owner's name not given. Contractors, Reugg Bros., Pacific Bldg., S. F. Contract price, \$5,500.

SCHOOLS.

BERKELEY, ALAMEDA CO., CAL.—School, 1 story and base, frame and plaster, \$35,000. Architect, James W. Plachek, Acheson Bldg., Berkeley. Owners, City of Berkeley. Bids opened for the construction of the new Claremont School show A. F. Waid low on the general construction at \$23,543, and Seibert Co. low on the plumbing and heating at \$3,522. All bids were referred to the Board of Education and Supervising Architect. An announcement of the award will be made later. A complete list of these bids will be found under the heading of Oakland and Alameda County.

OAKLAND, CAL.—School, 2 story and base, frame and plaster, \$40,000. Architect, Supervising Architect J. J. Donovan, Security Bank Bldg., Oakland. Owners, City of Oakland. Bids opened for the construction of the Tompkins School show Robert Glaze low on the general construction at \$34,989. No action was taken on the award, but bids were referred to the Supervising Architect and Board of Education. A complete list of these bids will be found under the heading of Oakland and Alameda County.

OROSI, TULARE CO., CAL.—School, 1 story and base, frame and plaster, \$28,000. Architect, Ernest Kump, Fresno. Owners, Orosi School District. The building will be 240 feet long with two wings. There will be eight class rooms and an assembly hall. Interior will be finished in pine and redwood with maple floors in the class rooms. There will be a central heating system and modern school plumbing. Program clocks are also specified. Exterior of the building will be covered with cement plaster on metal lath. Plans are now being prepared.

MARIAN, LOS ANGELES CO., CAL.—School, 2 story and base, hollow tile or brick, \$45,000. Architects, O. P. Dennis and H. H. Hewitt, Fay Bldg., L. A. Owners, Marian School District. The building will cover an area of 190 by 62 feet and has been designed in the classic style. There will be eight class rooms, an auditorium and library on the first floor. Upper floor will contain two class rooms, manual training and domestic science departments and office. Interior will be finished in pine with maple floors. There will be a central heating system, program clocks and vacuum cleaning. Exterior of the building will be faced with cement plaster. Plans are being prepared.

LOS ANGELES, CAL.—School, 2 story and base, brick, \$20,000. Archi-

teets, Montgomery & Montgomery, Trust and Savings Bldg., L. A. Owners, City of Los Angeles. The building will be erected on Buchanan street, covering an area of 120 by 50 feet. There will be five class rooms, assembly hall and departments of domestic science and manual training. Interior will be finished in pine. Maple floors will be used in the class rooms. Plans provide for a central heating system, modern school plumbing and a program clock system. Exterior will be faced with cement plaster. Plans are now being prepared.

HUNTINGTON BEACH, ORANGE CO., CAL.—School, 1 story and base, hollow tile, \$40,000. Architect, John C. Smith, H. W. Hellman Bldg., L. A. Owners, City of Huntington Beach. The building will contain ten class rooms and an auditorium on the main floor. Basement will be arranged for the domestic science and manual training departments. Interior will be finished in pine with maple floors. There will be steam heat, vacuum cleaning and program clocks. Exterior of the building will be faced with pressed brick or cement plaster. Plans are now being prepared.

ELLENDALE SCHOOL DISTRICT, LOS ANGELES CO., CAL.—School, 2 story and base, brick. Cost not stated. Architect, C. F. Skilling, Garland Bldg., L. A. Owners, Ellendale School District. The building will contain nine class rooms, an auditorium and departments of domestic science and manual training. Interior finish will be of pine throughout. Maple floors will be used in the class rooms. There will be a central heating system, modern school plumbing and vacuum cleaning. Exterior of the building will be faced with pressed brick. Plans are now being prepared.

SAN PEDRO, LOS ANGELES CO., CAL.—School, 2 story and base, brick. Cost not stated. Architect, Joseph Bell De Remer, Title Insurance Bldg., L. A. Owners, City of San Pedro. The building will cover an area of 247 by 260 feet, and has been designed to contain sixteen class rooms, an auditorium with a seating capacity of 550 people, departments of domestic science and manual training, kindergarten and office. Interior will be finished in pine. There will be steam heat, vacuum cleaning system, modern school plumbing and program clocks. Exterior will be faced with ruffled brick trimmed with artificial stone. Plans are being prepared.

OAKLAND, CAL.—School, 2 story and base, frame, \$10,000. Architect, Superintendent of Buildings and Grounds, City Hall, Oakland. Owners, City of Oakland. The building will be erected at the southwest corner of Perry and Van Buren, and has been designed to contain six rooms. Interior will be finished in pine with maple floors. Exterior of the building will be covered with cement plaster on metal lath. Steam heat is included. Plans are complete and figures are now being taken. Bids will be opened on April 13th.

OAKLAND, CAL.—School addition, frame construction, \$25,000. Architect, Superintendent of Buildings and Grounds, City Hall, Oakland. Owners, City of Oakland. This work, which is to be done at the Lafayette School, will consist of the construction of a

two-story frame auditorium and three class rooms. Interior will be finished in pine and hardwood. There will be a central heating system. Exterior will be covered with cement plaster on metal lath. Plans are being prepared, but work will not be out for figures before July 1st.

Contracts Awarded.

AUBURN, PLACER CO., CAL.—School, 2 story and base, reinforced concrete, \$40,000. Architect, W. H. Weeks, 75 Post street, S. F. Owners, City of Auburn. Contractor, George S. Hayes, Sacramento, general construction, \$35,808; Scott Co., S. F., heating and ventilating, \$3,700; Bell Electric Co., Auburn, electric work and fixtures, \$—; and Hughson & Merton, S. F., vacuum cleaning, \$442.

PETALUMA, SONOMA CO., CAL.—School, 2 story and base, brick and concrete, \$85,000. Architect, Brainerd Jones, Petaluma. Owners, City of Petaluma. Contractors, Ward & Goodwin, S. F., general construction. Contract price, \$68,487. Siebert Co., S. F., presented the lowest figure for the heating and ventilating at \$6,097 and \$6,000, but as yet no contract has been awarded. A complete list of these bids will be found under the heading of Marin, Contra Costa and Sonoma Counties in this issue.

SEWERS, STREET WORK & WATER SYSTEMS.

CALIFORNIA — Highway construction. Cost not stated. Engineer, State Highway Commission, Forum Bldg., Sacramento. Owners, State of California. Plans have been completed for constructing the following State Highways: Yuba, 3 miles Portland cement concrete; Yolo, 5 miles Portland cement concrete; Tulare, 5 miles Portland cement concrete; Tulare, 8½ miles Portland cement concrete, and Orange, 4 miles graded. Bids are now being taken and will be opened on April 5th. Plans and specifications can be secured from the State Highway Commission.

SAN JOSE, SANTA CLARA CO., CAL.—Street improvements. Cost not stated. Engineer, City Engineer, San Jose. Owners, City of San Jose. Plans and specifications for a considerable amount of paving work have been adopted by the City Council and the work will be ordered as soon as possible. Plans for the following street improvements have been prepared by the City Engineer and adopted by the Council: Empire from First to Fifth, Jackson from First to Second, Vine from Santa Clara to San Fernando, Post from Orchard to Vine, Eighth from Santa Clara to San Salvadore, Balbach from Market to Orchard.

REDWOOD CITY, SAN MATEO CO., CAL.—Highway work. Cost not stated. Engineer, County Surveyor Neuman, Redwood City. Owners, San Mateo County. At the last regular meeting of the Board of Supervisors, County Surveyor Neuman presented the following plans and specifications for road and bridge construction: For a reinforced concrete retaining wall along Schmoll street at Belmont. For a retaining wall (concrete), box culvert and adjacent roadway on the San Mateo to Halfmoon Bay road, Route 4, Division 1, Section 2 of San Mateo

County Highways. For the removal of rock points on a portion of the San Mateo to Halfmoon Bay road, Route 4, Division 1, Section 2 of San Mateo County Highways. For constructing a highway from second crossing of San Gregorio Creek to San Gregorio on Redwood City to San Gregorio road, Route 6, Division 3, Sections 3 and 4. The plans and specifications were adopted and the Clerk directed to publish a notice calling for bids for the work.

SAUSALITO, MARIN CO., CAL.—Street work and repairs. Cost not stated. Engineer, Town Engineer Hohl, Sausalito. Owners, Town of Sausalito. At a special meeting of the Town Trustees the grading of West street from Main street to Richardson, Valley from Fourth to West, building of a retaining wall at the intersection of West and Valley streets, building of a wooden bridge across the gully on West street and the laying of 40 feet of thirty-inch sewer pipe in the bed of the gully, was ordered by the Board. Town Engineer Hohl will prepare plans for the work, which will be submitted at a later meeting of the Board when the work will be ordered advertised.

SAUSALITO, MARIN CO., CAL.—Street work. Cost not stated. Engineer, Town Engineer Hohl, Sausalito. Owners, Town of Sausalito. After viewing the streets in the residential district, the Town Trustees have ordered the Town Engineer to prepare the necessary grades, profiles and estimates of grading, paving with macadam, gutters and curbs. Central avenue, San Carlos, Harrison, Spencer, Lower Santa Rosa avenue, Horth, Pine and Johnson streets are in the district to be paved.

BAKERSFIELD, KERN CO., CAL.—County Highway work. Cost not stated. Engineer, County Highway Commission, Bakersfield. Owners, Kern County. On recommendation of the Kern County Highway Commission, contracts for the construction of eighteen and one-half miles of concrete paved roads will be let at the April session of the Board of Supervisors. These contracts will include sections of the Wasco-Lost Hills and Bakersfield-McKittrick roads. Plans and specifications for the work were approved by the Board at the last meeting and advertisements for bids were authorized. The section of the Wasco-Lost Hills road to be improved at this time includes the stretch from Wasco to the Semi-Tropic School, a distance of 10½ miles. Bids on this contract will be received until 11 o'clock on the morning of April 12th. The other contract calls for the paving and attendant work on that part of the Bakersfield-McKittrick road which lies between Rio Bravo and Growerbank, a distance of 8½ miles. It is known as Division 5, Section 2, of the county highway system, and the bids, which will be received until 10 o'clock on the morning of April 13, will include estimates on the construction of pile bridges.

BAKERSFIELD, KERN CO., CAL.—Furnishing cement. Cost not stated. Engineer, County Surveyor, Bakersfield. Owners, Kern County. Bids are now being called for on furnishing the county with approximately 90,000 barrels of cement for county highway

construction. Bids will be opened on April 12th at noon. Full particulars can be secured by addressing the County Clerk at Bakersfield.

MODESTO, STANISLAUS CO., CAL.—Irrigation work, fills, etc. Cost not stated. Engineer, Herrmann, Modesto. Owners, Modesto Irrigation District. Construction of the Riarden and Salter hydraulic fills, requiring approximately 170,000 cubic yards of earth and 2,500 cubic yards of reinforced concrete, has been authorized by the board of directors of the Modesto Irrigation District, and bids will be advertised at once in accordance with the plans and specifications prepared by Chief Engineer Herrmann. This will be the initial work on the main canal started under the \$610,000 bond issue now being disposed of. With the exception of the Curtis and Sprowl drainage ditches, it is also the first work of any kind that might come under this issue. Chief Engineer Herrmann stated recently that, owing to the vastness of the task, the two fills will not be completed before February, 1916, in time for next season's irrigating. Secretary Abbott was instructed by the board to advertise for bids at once with the understanding they will be opened at a meeting on April 10th. Herrmann was also instructed to install a concrete culvert at Indian Hill gulch on the main canal in accordance with his plans and specifications, prepared for a hydraulic fill.

TURLOCK, STANISLAUS CO., CAL.—Sewer work. Cost not stated. Engineer, City Engineer, Turlock. Owners, City of Turlock. Plans have been completed and approved for the construction of a six-inch sewer along West Main street for a considerable district. Bids are now being taken for the work and will be opened on April 6th. Plans and complete information can be secured by addressing either the engineer or City Clerk.

ELLENSBURG, WASH.—Power plant and equipment. Cost not stated. Engineer, City Engineer, Ellensburg. Plans have been completed and bids will be opened on April 5th for constructing a power plant building, including all necessary concrete work, forebays, spillways, etc.; excavating tail race and basin; concrete chimney, 6½ feet in diameter, 100 feet high. One thousand K. W. steam turbine and switchboard barometric condenser and feed water pump; one 325 H. P. boiler; one 10,000-foot pound, oil pressure water wheel governor; moving machinery from old plant to new; hauling new machinery from railway to plant; wiring new building.

EUGENE, OR.—Reservoir, reinforced concrete, \$40,000. Engineer, Eugene Water Board. Owners, City of Eugene. Plans have been completed by the engineers of the Eugene Water Board and bids are now being taken for the construction of a reinforced concrete reservoir. The reservoir is to have a capacity of 1,500,000 gallons and will require the removal of approximately 12,000 cubic yards of excavation and 1,200 cubic yards of concrete, together with a large quantity of reinforcing steel, etc.

SANTA BARBARA, SANTA BARBARA CO., CAL.—Sanitary sewer. Cost not stated. Engineer, City Engineer, Santa Barbara. Owners, City of Santa

Barbara. A resolution of intention for the construction of a sanitary sewer in Alisos street between Gutierrez street and Montecito street has been approved and passed to print by the City Council. Further information may be had from the City Engineer or A. C. Holmberg, Clerk of the Council. CON AWARD

BAKERSFIELD, KERN CO., CAL.—Highway construction. Cost not stated. Engineer, County Surveyor, Bakersfield. Owners, Kern County. Contractors, Robert Sherer & Co., Bakersfield, Bakersfield to Mojave road, \$34,923.50; Thompson Bros., Bakersfield, Maricopa to Oal River road, \$29,657.74.

SACRAMENTO, CAL.—Water pipe and extensions. Cost not stated. Engineer, City Engineer, Sacramento. Owners, City of Sacramento. Plans have been completed and figures are now being taken for extensions to the city's water system. Bids will be opened on April 20th. Plans and specifications can be secured from the City Engineer. Some of the important elements of the work are: 126,000 cubic yards of excavation, 126,000 cubic yards of back fill, 417,920 linear feet of cast iron pipe, four inches to sixteen inches in size; 39,990 linear feet of riveted steel pipe, 20, 24, 30 and 36 inches in size; 758 hydrants, 1,472 valves, 220 tons cast iron special fittings, 22,084 square yards of macadam, asphalt, asphalt macadam and basalt blocks pavement to be removed and replaced.

Contracts Awarded.

RIVERSIDE, RIVERSIDE CO., CAL.—County Highway, \$32,695. Engineer, County Surveyor, Riverside. Owners, Riverside County. Contractor, James Montgomery Co., Alhambra. Contract price, \$32,695.97. Bids were also opened for the Elsinore to Murrieta road, but were referred to the County Highway Commission.

POMONA, LOS ANGELES CO., CAL.—Ornamental lighting system, \$15,938. Engineer, City Engineer, Pomona. Owners, City of Pomona. Contractors, Keystone Iron Works, Pomona. Contract price, \$15,938.

SALEM, ORE.—Highway construction, \$40,343. Engineer, State Highway Engineer H. L. Bowlby, Salem. Owners, State of Oregon. Contractors, Standefer-Clarkson Co., Northwest Bank Bldg., Portland. Contract price, \$40,343.

STORES AND OFFICES.

SAN FRANCISCO—Market building, 1 story and base, brick, \$12,000. Architect, C. O. Clausen, Hearst Bldg., S. F. Owner, M. S. Shaw, 1240 Bush street. The building will be erected on the east side of Polk street north of Washington, and will cover an area of 40 by 120 feet. Interior will be arranged for a number of stalls. There will be a cement floor, tile wainscot and patent store fronts. Exterior of the building will be faced with pressed brick trimmed with terra cotta. Plans are complete and in the hands of the owner who will do the work by Day Labor. Excavating is now started.

SAN FRANCISCO—Supply stations, 10, 1 story, steel and corrugated iron. Cost not stated. Architects, O'Brien Bros., 240 Montgomery street. Owners, Union Oil Co., 406 Golden Gate

avenue, S. F. These stations will be erected in various parts of the city. There will be a complete steel frame, cement floor and exterior walls of corrugated iron. Gasoline storage tanks are specified. Plans are complete and the work will be done by Day Labor.

BERKELEY, ALAMEDA CO., CAL.—Stores, 1 story and base, brick and steel, \$30,000. Architect, James W. Plachek, Acheson Bldg., Berkeley. Owner, W. J. Acheson. The building will be erected at the corner of Home street and University avenue, covering an area of 68 by 105 feet. There will be a number of modern stores finished in pine and hardwood. Patent store fronts and plate glass windows will be used. Exterior of the building will be faced with pressed brick trimmed with terra cotta. Plans are now being prepared.

OAKLAND, CAL.—Stores, 1 story and base, frame. Cost not stated. Architect, Frank S. Forster, 1234 Grove street, Berkeley. Owner, Fred M. Miller. The building will be erected at the southeast corner of 14th street and 3rd avenue, and has been designed to contain three small stores. Interiors will be finished in pine. There will be plate glass display windows and marble base. Exterior will be covered with cement plaster on metal lath. Plans are complete and figures are being taken.

OAKLAND, CAL.—Stores and offices, 5 story and base. Class A construction. Cost not stated. Architect, C. W. Dickey, Central Bank Bldg., Oakland. Owners, Oakland Commercial Club. The building will be erected at the corner of 13th and Harrison streets, covering an area of 70 by 100 feet. There will be stores on the first floor and a large number of modern offices on the upper floors. Interior will be finished in pine and hardwood. There will be a complete steel frame, exterior walls of brick, faced with pressed brick and terra cotta. The organization is now busy arranging bonds and working drawings will not be prepared until funds are available.

SEATTLE, WASH.—Stores and offices, 4 story and base, reinforced concrete, \$50,000. Engineer, Chief Engineer L. R. West of the Port of Seattle Commission, Seattle. Owners, City of Seattle. The building will be erected at the foot of Marion street. The first floor will be arranged for markets and stores. The upper floors will contain a large waiting room and offices. Construction will be of reinforced concrete throughout. Interior will be finished in pine and hardwood with some metal trim. Metal window sash and frames will be used. There will be elevator equipment, steam heat and vacuum cleaning. Exterior of the building will be faced with cement plaster. Separate contracts will be let for the building and mechanical equipment.

SEALED PROPOSALS

NOTICE TO CONTRACTORS.

SEALED BIDS will be received by W. E. McClure, State Engineer, Forum Building, Sacramento, California, up to and including 12 o'clock, noon, Tuesday, April 27, 1915, said bids then and there to be publicly opened and read for furnishing all plant, materials, and labor, and doing the work required for the complete construction and

erection of a building to be known as the "Superintendent's Residence," Southern California State Hospital, Patton, California, in accordance with the plans and specifications, therefore, copies of which may be obtained on application to the State Department of Engineering, Sacramento, California.

Such bids will be received for the Entire Work, and must be submitted on forms prepared and furnished by the State Department of Engineering.

Cash, a bidder's bond, or a certified check in the sum of ten per centum (10%) of the amount of the bid must accompany each bid.

A deposit of Ten (\$10.00) Dollars will be required on plans and specifications, the deposit to be returned immediately on the return of the plans and specifications to the State Department of Engineering at Sacramento, California, in good condition.

The State Department of Engineering reserves the right to reject any and all bids and to waive any informality in any bid received.

All bids must be addressed to W. F. McClure, State Engineer, Sacramento, California, and plainly marked on the envelope: "Proposal for Superintendent's Residence, Southern California State Hospital, Patton, California."

(SIGNED) W. F. MCCLURE,
State Engineer. (*)

NOTICE TO CONTRACTORS.

COUNTY HIGHWAY COMMISSION, COUNTY OF KERN, STATE OF CALIFORNIA.

SEALED PROPOSALS addressed to the Board of Supervisors and endorsed "PROPOSAL TO FURNISH PORTLAND CEMENT" will be received by the Board of Supervisors of Kern County, California, at their office in the County Court House, until 10 o'clock A. M. on the 12th day of April, 1915, and at that time and place will be publicly opened and read.

The cement will be required from time to time between May 1st, 1915, and January 1st, 1917, quantity estimated to be ninety thousand (90,000) barrels, which quantity is to be considered approximate only and may be increased or diminished as the Highway Commission may deem expedient.

Blank forms of proposal, and specifications may be obtained at the office of the Kern County Highway Commission in the Court House, Bakersfield. All proposals must be on said blank forms, must give the price proposed, both in writing and figures, and must be signed by the bidder with his address. The phraseology of the proposal must not be changed and any alteration by the bidder will make the proposal informal and liable to rejection.

Each proposal must be accompanied by a certified or cashier's check, or bidder's bond, amounting to at least ten (10) per cent of the aggregate amount of the bid, payable to the order of the Chairman of the Board of Supervisors of Kern County; such check to be returned to the bidder unless forfeited under the conditions herein stipulated.

A bond, satisfactory to the Board of Supervisors will be required for the faithful performance of the contract in a sum equal to one-half (½) the aggregate amount of the contract.

The bidder to whom the contract may be awarded will be required to appear at the office of the said Board of Supervisors with the sureties offered by him and execute a contract within ten (10) days after it is awarded to him. In case of failure or neglect to do so, he may be considered as having abandoned it, and the check accompanying the proposal may, at the option of the Board of Supervisors be forfeited to the County of Kern.

All bids will be compared on the basis of the estimated quantity shown in the specifications.

The Board of Supervisors reserves the right to reject any or all proposals. BOARD OF SUPERVISORS OF KERN COUNTY.

By J. M. BUSH, Protom Chairman.
I. L. MILLER, Clerk.
By F. E. Smith, Deputy Clerk. (*)

PROPOSALS FOR CANAL SUPPLIES.

PANAMA CIRCULAR 906—Proposals for Steel Reinforcing Bars, Steel Cable, Chain, Poultry Netting, Coupler Knuckle Pins, Machine Bolts, Pipe Fittings, Copper Sheathing, Shovels, Track Chisels, Hsps and Staples, Hinges, Engine Lubricators, Starting Compensator for Motor, Grease Cups, Basin Traps, Valves, Cocks, Paint Brushes, Flax Packing, Door Mats, Chair Seats, Water Coolers, Chinaware, Agate Pitchers, Teaspoons, Cardboard, Paper, Sulphate of Copper, Gasoline and Lard Oil.—Sealed proposals will be received at the office of the general purchasing officer, the Panama Canal, Washington, D. C., until 10:30 a. m. March 30, 1915, at which time they will be opened in public for furnishing the above mentioned articles. Blanks and general information relating to this circular (No. 906) may be obtained from this office or the office of the assistant purchasing agent, 1086 North Point street, San Francisco, Cal.; also from the U. S. engineer offices in the following cities: Seattle, Wash.; Los Angeles, Cal. F. C. BOGGS, major, corps of engineers, U. S. army, general purchasing officer.

PROPOSALS FOR EXCAVATING AND CONCRETE.

EXCAVATION AND CONCRETE — Department of the Interior, U. S. Reclamation Service, Washington, D. C.—Sealed proposals will be received at the office of the U. S. Reclamation Service, Provo, Utah, until 2 o'clock p. m. April 8, 1915, for construction involving about 8,000 yards of canal excavation. The work is located near Payson City, Utah, on the San Pedro, cation and 1,350 yards of reinforced Los Angeles and Salt Lake Railroad and the Tintic branch of the Denver and Rio Grande Railroad. For particulars address the U. S. Reclamation Service, Provo, Utah, or Washington, D. C., A. P. DAVIS, director and chief engineer.

PROPOSAL FOR BIDS.

SEALED BIDS will be received at the office of Lewis P. Hobart, Crocker Building, San Francisco, Cal., at or before 11 A. M., April 14, 1915, for furnishing and erection of the structural steel work for the University Hospital at 4th and Parnassus Aves., San Francisco, as per plans and specifications on file at said office.

A deposit of \$5.00 will be required for each set of plans and specifications, which deposit will be refunded upon return of said plans and specifications.

No bids will be received unless accompanied by check or bond in favor of the undersigned, equal to 10% of the bid, to secure execution of the contract by the successful bidder.

The right is reserved to reject any or all bids.

THE REGENTS OF THE UNIVERSITY OF CALIFORNIA. (*)

NOTICE TO LUMBERMEN.

BIDS WANTED c. i. f. ship's slings, Sydney, Australia, for shipload, either sail or steam, of Douglas Fir lumber. Specifications at THE AUSTRALIAN OFFICES, 419 Market Street, San Francisco, Cal. (*)

BIDS FOR DESKS.

SAN BERNARDINO, CAL.—BIDS will be received by the Board of Education up to April 12, 1915, for furnishing 100 No. 1 school desks, 15 No. 1 desk backs, 150 tablet arm recitation chairs and 800 opera chairs for the new high school buildings. F. W. Conrad is the Secretary of the Board. (*)

PROPOSALS FOR BUILDING.

BUILDING, ETC. — Department of the Interior, Office of Indian Affairs, Washington, D. C., March 1, 1915.—Sealed bids plainly marked on the outside of the sealed envelope "Proposals for Addition to Stone Dormitory, Western Navajo School, Arizona," addressed to the commissioner of Indian Affairs, Washington, D. C., will be received at

the Indian Office until 2 o'clock p. m. of April 5, 1915, for furnishing materials and labor for the erection of an addition to the stone dormitory for girls at the Western Navajo School, Arizona, in strict accordance with the plans, specifications and instructions to bidders, which may be examined at this office, U. S. Indian warehouses at Chicago, Ill.; St. Louis, Mo., and Omaha, Neb.; the Builders' and Traders Exchange at St. Paul, Minn., and at the Western Navajo School, Arizona. For further information apply to Walter Runke, superintendent, Western Navajo School, Tuba, Ariz. CATO SELLS, commissioner.

PROPOSALS FOR ELEVATOR.

ELEVATOR—Sealed proposals, indorsed "Proposals for Elevator," will be received at the bureau of yards and docks, Navy Department, Washington, D. C., until 11 o'clock a. m. April 3, 1915, and then and there publicly opened for an electric passenger elevator in the naval hospital at the naval station, Pearl Harbor, Hawaii. Plans and specifications may be obtained on application to the bureau or to the commandant of the naval station named. H. R. STANFORD, chief of bureau.

PROPOSALS FOR BUOYS.

BUOYS—Sealed proposals will be received at the office of the lighthouse inspector, San Francisco, Cal., until 2 o'clock p. m. April 6, 1915, and then opened, for furnishing two mammoth whistling buoys. Blank proposals and particulars may be obtained by addressing the above office.

PROPOSALS FOR SUPPLIES...

SUPPLIES—Sealed proposals will be received at the office of the commissioner of fisheries, Department of Commerce, Washington, D. C., until 2 o'clock p. m. April 20, 1915, and then opened, for furnishing general supplies for use on the Pribilof Islands, Alaska. Blank proposals and particulars may be obtained by addressing the above office.

PROPOSALS FOR BUILDING.

BUILDING, ETC.—U. S. Department of Agriculture, Office of the Secretary, Washington, D. C.—Sealed proposals will be received by the Secretary of Agriculture until noon April 27, 1915, for the erection of a two-story frame cottage, telegraph office building, for the weather bureau, U. S. Department of Agriculture, at Neah Bay, Wash., in accordance with plans and specifications, which may be obtained from chief, U. S. weather bureau, Washington, D. C., or the U. S. weather bureau offices at Seattle or Port Crescent, Wash. Bids must be sealed and indorsed on envelope "Proposals for weather bureau, Washington, D. C. Wash." and addressed to the chief, weather bureau, Washington, D. C. The department reserves the right to reject any or all bids and to waive defects should it be deemed in its interest to do so. (Signed) D. F. HOUSTON, Secretary.

CANADA'S INCREASED TRADE WITH UNITED STATES.

A Canadian publication, reviewing the trade for last year, said in part: It is interesting to note that while trade with nearly every country showed a decrease last year, that with the United States increased. With Great Britain exports decreased by a little over \$40,000,000, and imports by a little over \$41,000,000. As compared with this total decrease of over \$80,000,000 in the total trade with Great Britain, there was an increase of about \$10,000,000 in the total trade with the United States. Imports from the United States last year totaled \$440,357,540, a decrease of about \$500,000 as compared with 1913. Exports to the United States totaled \$203,763,630, an increase of nearly \$10,500,000.

ADVANCE NEWS

Classified according to Location

SAN FRANCISCO.

RESIDENCES—2, 2 story and base, frame, \$7,000 each. San Francisco. Architect, William F. Gunnison, 14 Montgomery street, S. F. Owner, Theo. Hulfs. These dwellings will be erected in Forest Hill and have been designed for high class homes containing eight rooms and two baths. Interiors will be finished in pine and hardwood with white enamel in the bed rooms. Hardwood floors will be used throughout. Plans provide for furnace heat and open fire places. Mantels will be of tile and brick. Bath rooms will have tile floors and wainscot. Each bed room will have a large sleeping porch. Exteriors will be covered with cement plaster on metal lath. Plans are complete and the work will be done by Day Labor. Materials are now being purchased.

RESIDENCE—2 story and base, frame, \$3,000. San Francisco. Architect, none. Owner, Jacob H. Thorup, 28 26th avenue, S. F. The dwelling has been designed for a seven-room house and will be erected on the west side of 18th avenue north of Balboa street. Interior will be finished in pine and redwood with some elm panels. Hardwood floors will be used in the living room, dining room and reception hall. There will be open fire places and tile or brick mantels. Bath room will have tile wainscot. An automatic water heater will be installed. Exterior of the dwelling will be covered with rustic and cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor. Materials are being purchased.

RESIDENCES—3, 1 story and base, frame, \$1,000 each. San Francisco. Architect, none. Owner, N. J. Nelson, 4278 23rd street, S. F. These houses will be erected on Wanda street north of Onondaga and each has been designed to contain five rooms and bath. Interiors will be finished in pine and redwood. Hardwood floors will be used. There will be open fire places and tile mantels. Tile wainscot will be used in the bath rooms. Exteriors will be covered with rustic and cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor.

RESIDENCE—2 story and base, frame, \$6,000. San Francisco. Architect, none. Owners, Conservative Building and Investment Co., Phelan Bldg., S. F. The dwelling will be erected at the northeast corner of 14th avenue and Clement street and has been designed for an eight-room house with bath and sleeping porch. Interior finish will be of pine, redwood and hardwood. Some white enamel will be used in the living room, dining room and reception hall. Bath room will be finished in tile. A hot water circulating system will be installed. Exterior of the dwelling will be covered with cement plaster on metal

lath. Plans are complete and in the hands of the owners who will do the work by Day Labor. Materials are now being purchased.

RESIDENCE—2 story, attic and base, frame, \$12,000. San Francisco. Architect, Charles J. Rousseau, 46 Kearny street, S. F. Owner, L. Allen. The dwelling will be erected in Windsor Terrace and has been designed to contain nine rooms, two baths and sleeping porch. A separate garage will be erected on the property. Interior of the house will be finished in pine and janisero with white enamel in the bed rooms. There will be furnace heat, open fire places and a hot water circulating system. Bath rooms will be finished in tile. A vacuum cleaning system will be installed. Exterior of both the house and garage will be covered with cement plaster on metal lath. Plans are nearly complete and the work will be done by Day Labor.

RESIDENCE—2 story and base, frame, \$5,000. San Francisco. Architect, E. E. Young, 251 Kearny street, S. F. Owner, Thomas Scoble, 363 14th avenue, S. F. The dwelling will be erected on the west side of Jordan avenue near Geary, and has been designed to contain eight rooms and bath. Interior finish will be of pine and redwood with some hardwood veneer and white enamel. Hardwood floors will be used in the living room, dining room and reception hall. Plans provide for furnace heat and open fire places. Mantels will be of tile or brick. An automatic water heater will be installed. Exterior of the dwelling will be covered with rustic and cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor. Materials are now being purchased.

RESIDENCE—2 story and base, frame, \$3,000. San Francisco. Architect, none. Owners, Costello & Ferrick, 93 College avenue, S. F. The dwelling will be erected on the west side of 16th avenue north of Balboa street, and has been designed for a six-room house with bath. Interior will be finished in pine and redwood with some hardwood veneer. Hardwood floors will be used in the living room, dining room and reception hall. There will be furnace heat and open fire places. Mantels will be of tile or brick. Tile floors and wainscot will be used in the bath room. An automatic water heater will be installed. Exterior of the house will be covered with cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor.

APARTMENT HOUSE—3 story and base, frame, \$12,000. San Francisco. Architects, Rousseau & Rousseau, 110 Sutter street, S. F. Owner, Charles E. Reinhardt, 17th and Kansas streets, S. F. The building will be erected on the south side of Page street west of Shrader, and has been designed to

contain six suites of three and four rooms. Basement will be used for a private garage for the tenants. Interiors will be finished in pine, redwood and elm. Hardwood floors will be used in the living and dining rooms. There will be steam heat and a hot water system. All rooms will be finished in tile. Wall beds are specified. Exterior of the building will be covered with cement plaster on metal lath. Plans are complete and the work will be done by Day Labor.

APARTMENT HOUSE—4 story and base, brick and steel, \$50,000. San Francisco. Architect, J. F. Dunn, Monadnock Bldg., S. F. Owner, W. H. Humphrey, et al. The building will be erected on the north side of Pine street west of Leavenworth, and will cover a considerable ground area. There will be a number of two and three room apartments, all of which will have wall beds and private bath rooms. Interior finish will be of pine, hardwood and white enamel. Hardwood floors will be used in the living rooms and reception halls. Plans provide for steam heat, hot water supply, elevator service and vacuum cleaning. Bath rooms will be finished in tile with composition floors. Marble and tile wainscot will be used in the entrance. Exterior of the building will be faced with pressed brick trimmed with terra cotta. Plans are complete and figures will be called for shortly.

CITY HALL HARDWARE—Cost not stated. San Francisco. Architects, Bakewell & Brown, 251 Kearny street, S. F. Owners, City and County of San Francisco. Plans have been completed and approved for the finished hardware in the new City Hall. Bids are now being taken and will be opened by the Board of Public Works on April 15th. Plans and specifications can be secured from the Board of Public Works.

APARTMENT HOUSE—3 story and base, frame, \$22,000. San Francisco. Architect, none. Owners, McKillop Bros., 540 Cole street, S. F. The building will be erected on the west side of Mission street north of 14th, and has been designed for fourteen small apartments of two and three rooms. Interior will be finished in pine with some elm panels. There will be steam heat and a hot water system. All suites will have wall beds and private bath rooms. Tile wainscot and composition floors will be used in the bath rooms. Exterior of the building will be covered with rustic and cement plaster on metal lath. Plans are complete and in the hands of the owners who will do the work by Day Labor. Materials are now being purchased.

APARTMENT HOUSE—5 story and base. Class C construction, \$50,000. San Francisco. Architect, Edward T. Foulkes, Cracker Bldg., S. F. Owners, Columbia Realty Co., represented by Mr. Rosencrans, Crocker Bldg. The

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building will be erected on the west side of Taylor street north of Sutter. There will be a number of two and three room suites with private baths and wall beds. Plans provide for steam heat, elevator service and a hot water system. Interior will be finished in pine and elm with some hardwood floors. Bath rooms will have tile floors and wainscot. Marble and tile wainscot will be used in the entrance lobby. Exterior of the building will be faced with pressed brick trimmed with terra cotta. Plans are complete and figures are being taken.

FACTORY AND WAREHOUSE—5 story and base, reinforced concrete, \$500,000. San Francisco. Architect, Engineering Department California Fruit Canners, S. F. Owners, California Fruit Canners' Association, 120 Market street, S. F. No details of this work have been officially announced, but it is stated on good authority that the building will be erected on Stockton street near Bay. Construction will be fireproof. Plans are now being prepared by the engineering department and further mention will be made of the work.

CARPENTRY SHOP—1 story, brick, \$2,500. San Francisco. Architect, none. Owners, Swensen & Franzen, 230 Tehama street, S. F. The building will be erected on the south side of Natoma street west of New Montgomery, covering an area of 25 by 80 feet. No interior finish will be used. Exterior will be faced with stock brick. Plans are complete and in the hands of the owners who will do the work by Day Labor.

LIFE SAVING STATION—Brick construction, \$10,000. San Francisco. Engineer's name not given. Owners, United States Government. Daniel O'Neill, 278 Natoma street, S. F., will probably be awarded the contract for constructing the new Life Saving Station to be erected at Fort Point. His bid for this work was \$9,772, the lowest of seven bids submitted. The work will consist of brick and frame.

HOSPITAL—6 story and base. Class A construction, \$650,000. San Francisco. Architect, Lewis P. Hobart, Crocker Bldg., S. F. Owners, Regents of the University of California. The building will be erected at the corner of 4th and Parnassus avenues near the Affiliated Colleges, and when complete will be one of the most modern and up-to-date hospitals in the United States. Plans for the structural steel work have been completed and are now out for figures. Bids will be opened on April 14th. Plans and specifications can be secured from the office of the architect.

RESIDENCE—2 story and base, frame, \$6,500. San Francisco. Architects, Falch & Knoll, Hearst Bldg., S. F. Owner's name withheld. The dwelling will be erected in Forest Hill and has been designed for an eight-room house with two baths and sleeping porch. A separate garage

will be erected in the rear of the lot. Interior of the dwelling will be finished in pine and hardwood with white enamel in the bed rooms. There will be hardwood floors. Plans provide for furnace heat and open fire places. Mantels will be of tile or brick. Bath rooms will be finished in tile. A hot water circulating system will be installed. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are being prepared.

RESIDENCE—2 story and base, frame, \$3,000. San Francisco. Architect, none. Owner, F. Nelson, 30 Presidio Terrace, S. F. The dwelling will be erected at the southeast corner of Lincoln Way and 29th avenue, and has been designed for a five-room house with bath and sleeping porch. Interior will be finished in pine and redwood. Hardwood floors will be used in the principal rooms. There will be open fire places and tile or brick mantels. Imitation tile wainscot will be used in the bath rooms. An automatic water heater will be installed. Exterior of the house will be covered with cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor.

APARTMENT HOUSE—3 story and base, frame, \$20,000. San Francisco. Architect, none. Owners, McKillop Bros., 540 Cole street, S. F. The building will be erected on the south side of 17th street west of Hartford, covering an area of 39 by 80 feet, and has been designed to contain twelve suites of two and three rooms. Interior will be finished in pine and redwood. Some elm panels are specified. All apartments will have wall beds and private baths. There will be steam heat and a hot water system. Tile wainscot and composition floors will be used in the bath rooms. Exterior of the building will be covered with shiplap and cement plaster on metal lath. Plans are complete and in the hands of the owners who will do the work by Day Labor. Materials are now being purchased.

APARTMENT HOUSE—3 story and base, frame, \$16,000. San Francisco. Architects, Rousseau & Rousseau, 110 Sutter street, S. F. Owners name withheld. The building will be erected on the south side of Page street near Shrader, and has been designed to contain a number of three and four room apartments. Interior will be finished in pine and hardwood. Imported tapestry will be used. Hardwood floors are specified in the living and dining rooms. There will be steam heat and a hot water system. All suites will have wall beds and private bath rooms. Bath rooms will have tile floors and wainscot. Marble wainscot will be used in the entrance vestibule. Exterior of the building will be covered with cement plaster on metal lath. Plans are complete and figures are being taken.

APARTMENT HOUSE—3 story and base, frame, \$22,000. San Francisco.

Nearest to Everything



POWELL ST. AT O'FARRELL

Best located and most popular hotel in the City; circulating ice water in every room.

Especial attention to ladies travelling alone.

Excellent, reasonable priced grill. Meet your friends at the Manx

European Plan Rates \$1.50 up.

Management,

Chester W. Kelley

Architect, none. Owners, McKillop Bros., 540 Cole street, S. F. The building will be erected on the west side of Mission street north of 14th, and has been designed with stores on the first floor and a total of 14 suites of two rooms and bath on the upper floors. Interior will be finished in pine with some elm panels. There will be steam heat and a hot water system. Bath rooms will have imitation tile wainscot and composition floors. All apartments will have wall beds. Exterior of the building will be covered with cement plaster on metal lath. Plans are complete and in the hands of the owners who will do the work by Day Labor. Materials are now being purchased.

FLATS—3, 2 story and base, frame, \$4,000. San Francisco. Architect, Edward E. Young, 251 Kearny street, S. F. Owner, Thomas Scoble, 363 14th avenue, S. F. These buildings will be erected on Anza street west of 20th avenue, and each has been designed to contain two modern flats of five rooms. Interior will be finished in pine and redwood. Hardwood floors will be used in the living rooms, dining rooms and reception halls. There will be open fire places and tile or brick mantels. Bath rooms will have imitation tile wainscot. Automatic water heaters will be installed. Exteriors will be covered with rustic and cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor. Materials are now being purchased.

HOTEL AND STORES—3 story and base, brick and steel, \$25,000. San Francisco. Architect, D. J. Patterson,

Mechanics Institute Bldg., S. F. Owner, Louis Gassner. The building will be erected on the east side of Stockton street south of Clay, having a frontage of 67 feet and a depth of 68 feet. There will be three stores on the first floor besides the hotel entrance and lobby. Upper floors will be arranged for single rooms and baths. Interior finish will be largely of pine. There will be steam heat and a hot water system. Patent store fronts are specified. Bath rooms will have imitation tile wainscot and composition floors. Exterior of the building will be faced with pressed brick. Plans are complete and the work will be done by Day Labor under the direction of the architect.

HOTEL AND STORES—5 story and base, brick and steel, \$80,000. San Francisco. Architect, William H. Crim, Jr., 425 Kearny street, S. F. Owner, I. I. Dehail, Los Angeles. The building will be erected at the southwest corner of Market and 12th streets, covering a large irregular lot. There will be five stores on the first floor besides the hotel office and lobby. Upper floors will contain a total of 210 rooms and a number of private and public baths. Interior will be finished in pine throughout. There will be steam heat, elevator service, hot water supply, vacuum cleaning and patent store fronts. Exterior of the building will be faced with pressed brick. Plans are complete and figures are being taken.

RESIDENCE—2 story and base, frame, \$6,000. San Francisco. Architect, Charles J. Rousseau, 46 Kearny street, S. F. Owner, John Little. The dwelling has been designed for a seven room house and will be erected on the west side of 11th avenue between Anza and Balboa streets. Interior will be finished in pine and hardwood with some white enamel. Hardwood floors will be used in the principal rooms. There will be furnace heat and open fire places. Mantels will be of tile and brick. Bath room will be finished in tile. An automatic water heater will be installed. Exterior of the house will be covered with cement plaster on metal lath. Plans are complete and the work will be done by Day Labor.

RESIDENCES—20, 2 story and base, frame, \$3,500 to \$6,000. San Francisco. Architect's name not given. Owner, F. Temple Hilton, Phelan Bldg., S. F. These dwellings will be erected on property recently purchased in the Sunset District. The dwellings will contain from five to eight rooms and will be finished in pine and hardwoods. Hardwood floors will be used in the principal rooms. The more expensive homes will have furnace heat. There will be open fire places and tile and brick mantels. Bath rooms will be finished in tile. Exteriors will be covered with rustic, brick veneer and cement plaster on metal lath. Plans are complete and the work will be done by Day Labor.

MARKET BUILDING—1 story and base, brick, \$12,000. San Francisco. Architect, C. O. Clausen, Hearst Bldg., S. F. Owner, M. S. Show, 1240 Bush street. The building will be erected on the east side of Polk street north of Washington, and will cover an area of 40 by 120 feet. Interior will be arranged for a number of stalls. There

will be a cement floor, tile wainscot and patent store fronts. Exterior of the building will be faced with pressed brick trimmed with terra cotta. Plans are complete and in the hands of the owner who will do the work by Day Labor. Excavating is now started.

SUPPLY STATIONS—10, 1 story, steel and corrugated iron. Cost not stated. San Francisco. Architects, O'Brien Bros., 240 Montgomery street, S. F. Owners, Omen Oil Co., 406 Golden Gate avenue, S. F. These stations will be erected in various parts of the city. There will be a complete steel frame, cement floor and exterior walls of corrugated iron. Gasoline storage tanks are specified. Plans are complete and the work will be done by Day Labor.

Building Contracts Awarded.

San Francisco

No.	Owner.	Contractor	Amt.
894	Butler	Stockholm	700
895	Dunne	Healing	800
896	Rosenfelds	Braunton	800
897	Friedlander	Friedlander	500
898	Casassa	Casassa	400
899	Briskell	Elliott	800
900	Reich	Reich	400
901	Cath. Archb	McCarthy	7300
902	Parkside	Riddle	11870
903	Clinton	Reliable	1662
904	Same	G & M	585
905	Same	Coleman	4000
906	Lailchacar	De Martini	2650
907	Nelson	Nelson	1000
908	Nelson	Nelson	1000
909	Nelson	Nelson	1000
910	Scoble	Scoble	4000
911	Scoble	Scoble	4000
912	Scoble	Scoble	4000
913	Scoble	Scoble	5000
914	Alpin	Hicks	1800
915	McLeod	McLeod	700
916	Kierulff	Nichols	400
917	Bretlara	Reese	400
918	Benson	Laustau	800
919	Conserv Bldg.	Owner	6000
920	Winterberg	Winterberg	400
921	Van Bergen	Schmidt	400
922	Grahn	Grahn	2500
923	Parkside	Parkside	2700
924	Same	Same	2700
925	Same	Same	2700
926	Same	Same	2700
927	Same	Same	2700
928	S F Breweries	Brumfield	500
929	Motzer	Rasmussen	600
930	Prior	Meek	400
931	Dunn	Dunn	1000
932	Simpson	Blanchard	1000
933	Thorup	Thorup	2950
934	Bauer	Fennell	6350
935	Aitken	Terrill	5425
936	Drees	Hanill	2750
937	Randolph	Wilkie	5550
938	Hilton	Collman	1537
939	O'Hare	Grace	2600
940	Arrigone	Diougarde	5650
941	Bibo	Klimm	865
942	Barletta	Fillippis	5450
943	Grannis	Grannis	10000
944	Gassner	Gassner	25000
945	Show	Show	12000
946	Babin	Babin	2748
947	Swenson	Franzen	2400
948	McKillop	McKillop	22000
949	Same	Same	22000
950	Same	Same	20000
951	Reinhart	Reinhart	9000
952	Monahan	Houle	1400
953	Balboa Lbr	Owner	1350
954	Same	Same	1350
955	Tataro	Tataro	650
956	Liebes	Emanuel	600
957	Von Suberlick	Boorman	400
958	Adams	Adams	400
959	Lehman	Lehman	450
960	Jones	Brown	400
961	Zum	Zum	400
962	Ghiotto	Ghiotto	400
963	Mayer	Hanlon	850
964	Boitano	Cuneo	450
965	New York Cloak	Kulchar	400
966	Gordon	McKenzie	500
967	Hanak	Hanak	450
968	Nelson	Nelson	3000
969	Turner	Central Iron	7300
970	Turner	American	2500
971	Pope	Bos	6600

ALTERATIONS

(894) N SUTTER 40 E Steiner. New roof and cement floor.
Owner.....E. Butler Estate.
Architect...None.
Contractor...Stockholm & Allyn, 676 Monadnock Bldg., S. F.
COST, \$700

ALTERATIONS

(895) SW CLAY AND CHERRY. New roof, cement floor, etc.
Owner.....Peter F. Dunne, Premises.
Architect...None.
Contractor...Geo. Healing, 110 Jessie, San Francisco.
COST, \$800

ALTERATIONS

(896) NO. 940 MARKET. Alterations
Owner.....John Rosenfeld's Sons, 1024 Merchants' Exchange Bldg San Francisco.
Architect...None.
Contractor...H. Braunton, 185 Stevenson, San Francisco.
COST, \$800

ADDITION

(897) NO. 3747 SACRAMENTO. Add sun porch and make minor changes.
Owner.....E. Friedlander, Premises.
Architect...None.
Day's work. COST, \$500

ALTERATIONS

(898) NOS 1929-37 O'FARRELL. Marble front steps and install doors.
Owner.....Mrs. D. Casassa, Santa Rosa, Cal.
Architect...J. C. Hladik, Monadnock Bldg., San Francisco.
Day's work. COST, \$400

ALTERATIONS

(899) NO. 675 GOLDEN GATE AVE. Change front and minor alterations.
Owner.....J. C. Briskell, 213 Lick Bldg., San Francisco.
Architect...None.
Contractor...E. W. Elliott, 180 Jessie, San Francisco.
COST, \$800

ALTERATIONS

(900) NO. 145 JULIAN AVE. Alter basement.
Owner.....Frederick W. Reich, Prem.
Architect...None.
Day's work. COST, \$400

FRAME RESIDENCE

(901) SE ASHTON AND GRAFTON Aves. All work except heating for two-story and basement frame residence.

Owner.....The Roman Catholic Archbishop of S. F., 1100 Franklin, S. F.
Architect...John J. Foley, 46 Kearny, San Francisco.

Contractor...James F. McCarthy, 432 Eureka, San Francisco.

Filed Mar. 22, 15. Dated Mar. 11, '15.
Frame up and roof on.....\$1825
Brown coated.....1825
Completed and accepted.....1825
Usual 35 days.....1825

TOTAL COST, \$7300

Bond, \$3650. Sureties, Peter Quinn & Jno. McClellan. Limit, 105 days. Forfeited, none. Plans and specifications filed.

FRAME RESIDENCES

(902) E TWENTY-EIGHTH AVE 125 N Ulloa N 170xE 120 OL 1170. All

work for 5 one-story frame residences.
 Owner.....Parkside Realty Co.,
 Crocker Bldg., S. F.
 Supt.Mahoney Bros., Crocker
 Bldg., San Francisco.
 Contractor..Lawrence V. Riddle, 201
 Euclid Ave., S. F.
 Filed Mar. 22, '15. Dated Mar. 20, '15.
 Rough frame completed.25% of total
 Enclosed and plastered.25% of total
 Completed and accepted.25% of total
 Usual 35 days.....25% of total
 TOTAL COST, \$11,870
 Bond, none. Limit, 75 days. Forfeit,
 \$5. Plans and specifications filed.

PAINTING, PAPERING, ETC.

(903) SW CALIFORNIA & STOCKTON
 S 68-9xW 117-6. Painting, varnish-
 ing and papering (owner to furnish
 paper) for three-story and basement
 apartment building.
 Owner.....Delmar Smith Clinton, Mill
 Valley, Cal.
 Architect...Rousseau & Rousseau, 110
 Sutter, San Francisco.
 Contractor..Reliable Painting Co., 3247
 19th, San Francisco.
 Filed Mar 22, '15. Dated Mar. 11, '15.
 Building primed and 2nd coat
 work on\$554.00
 Completed and accepted..... 554.00
 Usual 35 days..... 554.50
 TOTAL COST, \$1662.50
 Bond, none. Limit, as soon as possible
 Forfeit, none. Plans and specifications
 filed.

(904) TIN AND SHEET METAL WORK
 leader pipes, window flashing, sky-
 lights, etc., on above.
 Contractor..G. & M. Sheet Metal Wks.,
 1527 Mission, S. F.
 Filed Mar. 22, '15. Dated Mar. 11, '15.
 50% of work finished.....\$219.35
 Completed and accepted..... 219.40
 Usual 35 days..... 146.25
 TOTAL COST, \$585.00
 Bond, none. Limit, as fast as possible
 Forfeit, none. Plans and specifications
 filed.

(905) PLUMBING, SEWERAGE AND
 gas piping, plumbing fixtures, etc.,
 on above.
 Contractor..Alexander Coleman, 706
 Ellis, San Francisco.
 Filed Mar. 22, '15. Dated Feb. 11, '15.
 On 1st of each month..... 75%
 Usual 35 days..... 25%
 TOTAL COST, \$4000
 Bond, none. Limit, 80 days. Forfeit,
 none. Plans and specifications filed.

FRAME COTTAGE

906) W CAYUGA AVE 350 N Onon-
 dago Ave N 50xW 100. All work for
 one-story and basement frame cot-
 tage.
 Owner.....J. P. Laflhacar, Onondago
 and Cayuga Aves., S. F.
 Architect...None.
 Contractor..F. De Martini & L. Segale,
 274 29th, San Francisco.
 Filed Mar. 22, '15. Dated Mar. 22, '15.
 Frame up\$662.50
 Brown coated 662.50
 Completed and accepted..... 662.50
 Usual 35 days..... 662.50
 TOTAL COST, \$2650.00
 Bond, none. Limit, 90 days. Forfeit,
 none. Plans and specifications filed.

FRAME DWELLING

(907) E WANDA 300 N Onondago Ave.
 One-story and basement frame dwlg.

Owner.....N. J. Nelson, 4278 23rd,
 San Francisco.
 Architect...None.
 Day's work. COST, \$1000

FRAME DWELLING

(908) E WANDA 275 N Onondago Ave.
 One-story and basement frame dwlg.
 Owner.....N. J. Nelson, 4278 23rd,
 San Francisco.
 Architect...None.
 Day's work. COST, \$1000

FRAME DWELLING

(909) E WANDA 250 N Onondago Ave.
 One-story and basement frame dwlg.
 Owner.....N. J. Nelson, 4278 23rd,
 San Francisco.
 Architect...None.
 Day's work. COST, \$1000

FRAME FLATS

(910) S ANZA 107-6 W 20th Ave. Two-
 story and basement frame (2) flats.
 Owner.....Thos. Scoble, 363 14th Ave.,
 San Francisco.
 Architect...E. E. Young, 251 Kearny,
 San Francisco.
 Day's work. COST, \$4000

FRAME FLATS

(911) S ANZA 57-6 W 20th Ave. Two-
 story and basement frame (2) flats.
 Owner.....Thos. Scoble, 363 14th Ave.,
 San Francisco.
 Architect...E. E. Young, 251 Kearny,
 San Francisco.
 Day's work. COST, \$4000

FRAME FLATS

(912) S ANZA 82-6 W 20th Ave. Two-
 story and basement frame (2) flats.
 Owner.....Thos. Scoble, 363 14th Ave.,
 San Francisco.
 Architect...E. E. Young, 251 Kearny,
 San Francisco.
 Day's work. COST, \$4000

FRAME DWELLING

(913) W JORDAN AVE 396-8 N Geary
 Two-story and basement frame dwlg.
 Owner.....Thos. Scoble, 363 14th Ave.,
 San Francisco.
 Architect...E. E. Young, 251 Kearny,
 San Francisco.
 Day's work. COST, \$5000

FRAME DWELLING

(914) E TENTH AVE 150 S Lincoln
 Way. Two-story and basement
 frame dwelling.
 Owner.....Myrtle Aplin, 1478 48th
 Ave., San Francisco.
 Architect...R. J. Driscoll, 174 Ashton
 Ave., San Francisco.
 Contractor..W. A. Hicks, Premises.
 COST, \$1800

ALTERATIONS

(915) SE CALIFORNIA AND HYDE.
 Alter saloon.
 Owner.....John A. McLeod, 1383 Cali-
 fornia, San Francisco.
 Architect...None.
 Day's work. COST, \$700

NEW FRONT

(916) NOS. 229-31 SANSOME. New
 front.
 Owner.....T. C. Kierulff, Care G. H.
 Umben.
 Architect...None.
 Contractor..H. D. Nichols, 1381 Steven-
 son, San Francisco.
 COST, \$400

ALTERATIONS

(917) NO. 1322 THIRTEENTH AVE.
 Alter dwelling.
 Owner.....Emilio Bretlara, 1326 12th
 Ave., San Francisco.
 Architect...None.
 Contractor..J. A. Reese, 339 3rd Ave.,
 San Francisco.
 COST, \$400

FRAME MUSEUM

(918) NO. 755 GREAT HIGHWAY.
 One-story frame museum.
 Owner.....M. P. Benson, 2136 Sutter,
 San Francisco.
 Architect...None.
 Contractor..A. Laustau, 2885 Burt,
 San Francisco.
 COST, \$800

FRAME DWELLING

(919) NE FOURTEENTH AVE AND
 Clement. Two-story and basement
 frame dwelling.
 Owner.....Conservative Bldg. & In-
 vestment Co., 209 Phelan
 Bldg., San Francisco.
 Architect...None.
 Day's work. COST, \$6000

ADDITION

(920) NO. 4539 IRVING (rear). Add
 one room and pantry.
 Owner.....C. F. Winterberg.
 Architect...None.
 Day's work. COST, \$400

ALTERATIONS

(921) NE CLAY AND SPRUCE. Ex-
 tend elevator shaft.
 Owner.....Mrs. R. Van Bergen, Prem
 Architect...None.
 Contractor..L. Schmidt, 448 Jessie,
 San Francisco.
 COST, \$400

DWELLING

(922) W BRYANT 163 S 26th. All
 work except lumber and mill work
 for five-room and basement dwlg.
 Owner.....Henry [Grah]n, 1441 Ala-
 bama, San Francisco.
 Architect...None.
 Contractor..Wm. H. Grah]n, 2840 Bry-
 ant, San Francisco.

Filed Mar. 23, '15. Dated Mar. 22, '15.
 Frame up\$625
 Brown coated 625
 Completed 625
 Usual 35 days..... 625
 TOTAL COST, \$2500

Bond, none. Limit, 90 days. Forfeit,
 none. Plans and specifications filed.

FRAME DWELLING

(923) E TWENTY-EIGHTH AVE 227
 N Ulloa. One-story and basement
 frame dwelling.
 Owner.....Parkside Realty Co., 409
 Crocker Bldg., S. F.
 Architect...None.
 Day's work. COST, \$2700

FRAME DWELLING

(924) E TWENTY-EIGHTH AVE 159
 N Ulloa. One-story and basement
 frame dwelling.
 Owner.....Parkside Realty Co., 409
 Crocker Bldg., S. F.
 Architect...None.
 Day's work. COST, \$2700

FRAME DWELLING

(925) E TWENTY-EIGHTH AVE 125
 N Ulloa. One-story and basement
 frame dwelling.

owner.....Parkside Realty Co., 409
Crocker Bldg., S. F.

Architect...None.

Day's work. COST, \$2700

FRAME DWELLING

(926) E TWENTY-EIGHTH AVE 261
N Ulloa. One-story and basement
frame dwelling.

owner.....Parkside Realty Co., 409
Crocker Bldg., S. F.

Architect...None.

Day's work. COST, \$2700

FRAME DWELLING

(927) E TWENTY-EIGHTH AVE 193
N Ulloa. One-story and basement
frame dwelling.

owner.....Parkside Realty Co., 409
Crocker Bldg., S. F.

Architect...None.

Day's work. COST, \$2700

ELECTRIC SIGN

(928) SE FILLMORE & CHESTNUT.
Electric sign.

owner.....S. F. Breweries, Ltd., 240
Second, San Francisco.

Architect...None.

Contractor...Brumfield Elec. Sign, 18
1th, San Francisco.

COST, \$500

ALTERATIONS

(929) NO. 4406 EIGHTEENTH. Alter
bakery.

owner.....C. Motzer.

Architect...None.

Contractor...G. E. Rasmussen, 1330
Rhode Island, S. F.

COST, \$600

ALTERATIONS

(930) NW EDDY AND MASON. Alter
saloon.

owner.....Prior Estate, Premises.

Architect...None.

Contractor...T. H. Meek Co., 1157 Mis-
sion, San Francisco.

COST, \$400

FRAME RESIDENCE

(931) W TWENTY-SEVENTH AVE
260 S Geary. One-story and base-
ment frame residence.

owner.....Ernest E. Dunn, 2633 Anza
San Francisco.

Architect...None.

Day's work. COST, \$1900

BRICK GARAGE

(932) NW BUCHANAN & PACIFIC.
One-story brick garage.

owner.....Simpson Bros., 112 Cali-
fornia, San Francisco.

Architect...W. W. Blanchard.

Contractor...W. W. Blanchard & Son,
180 Jessie, San Francisco.

COST, \$1000

FRAME DWELLING

(933) W EIGHTEENTH AVE 25 N
Balboa. Two-story and basement
frame dwelling.

owner.....Jacob H. Thorup, 281 26th
Ave., San Francisco.

Architect...None.

Day's work. COST, \$2950

ALTERATIONS

(934) N MINNA 100 E Julia E 25xN
160. Alterations and additions to two-
story and basement Class "C" brick
building.

owner.....Dr. Charles F. Bauer, 101
Post, San Francisco.

Architect...Robert Schroepfer, 68 Post
San Francisco.

Contractor...Jas. S. Fennell, 190 Jessie,
San Francisco.

Filed Mar. 4, '15. Dated Mar. 18, '15.

1st floor joists laid.....\$1000

2nd floor joists laid..... 1000

Roof on 1500

Completed and accepted..... 1250

Usual 35 days..... 1600

TOTAL COST, \$6350

Bond, \$3175. Sureties, H. C. Matthies
and W. B. Morris. Limit, 75 days. For-
feit, none. Plans and specifications
filed.

FRAME BUILDING

(935) LOT 5 Lyon & Hoag Subdvn
Bakers Beach Land Co., being W
end of 32nd Ave. All work for
one-story frame building.

owner.....Frank W. Aitken, 681 Mar-
ket, San Francisco.

Architect...Jno. Davis Hatch, Hum-
boldt Bank Bldg., S. F.

Contractor...W. A. & C. C. Terrill, 110
Jessie, San Francisco.

Filed Mar. 24, '15. Dated Mar. 22, '15.

Floor joists in.....\$ 800

Enclosed and roof completed.. 1000

Plaster completed 1000

Completed 1250

Usual 35 days..... 1375

TOTAL COST, \$5425

Bond, \$2750. Surety, Fidelity & De-
posit Co. of Maryland. Limit, 80 days
from filing. Forfeit, \$10. Plans and
specifications filed.

FRAME RESIDENCE

(936) E EIGHTEENTH AVE 200 S
Geary S 25xE 120 O L 267. All work
except gas and electric fixtures for
two-story frame residence.

owner.....Elmer Drees, 327 5th Ave.,
San Francisco.

Architect...None.

Contractor...Thos. Hamill, 268 25th
Ave., San Francisco.

Filed Mar. 25, '15. Dated Mar. 8, '15.

Rough frame up and roof on..\$687.50

Brown coated 687.50

Completed and accepted..... 687.50

Usual 35 days..... 687.50

TOTAL COST, \$2750.00

Bond, none. Limit, 70 days. Forfeit,
none. Plans and specifications filed.

BRICK STORES

(937) NW O'FARRELL & MASON N
31-1xW 50. All work for one-story
brick stores.

owner.....D. L. Randolph, 467 O'Far-
rell, San Francisco.

Architect...Cunningham & Politeo, 1st
National Bank Bldg., S. F.

Contractor...Frank A. Wilkie, 519 Cali-
fornia, San Francisco.

Filed Mar. 25, '15. Dated Mar. 25, '15.

On 1st and 15th of each month 75%

Usual 35 days..... 25%

z TOTAL COST, \$5550

Bond, \$2775. Surety, Massachusetts
Bonding & Insurance Co. Limit, 70
days. Forfeit, \$10. Plans and speci-
fications filed.

RESIDENCES

(938) W FIFTEENTH AVE 100 N
Kirkham N 125xW 127-6. All work
except exterior and interior plaster
for 3 residences.

owner.....F. Temple Hilton.

Architect...Charles P. Weeks, Mutual
Bank Bldg., S. F.

Contractor...Collman & Collman, Shar-
on Bldg., San Francisco.

Filed Mar. 25, '15. Dated Mar. 25, '15.

Frame up and roof on.....\$3843.75

Brown coated 3843.75

Completed and accepted..... 3843.75

Usual 35 days..... 3843.75

TOTAL COST, \$15,375.00

Bond, limit, forfeit, none. Plans and
specifications filed.

ALTERATIONS

(939) E HAMPSHIRE 175 S 22nd S 25
xE 100 M B 148. All work for alter-
ations and additions except finish
hardware, shades and gas fixtures to
two-story frame flats.

owner.....John O'Hare, 2157 Grove,
San Francisco.

Architect...None.

Contractor...E. F. Grace, 1017 Rhode
Island, San Francisco.

Filed Mar. 25, '15. Dated Mar. 17, '15.

Completely framed\$650

Brown coated 650

Completed and accepted..... 650

Usual 35 days..... 650

TOTAL COST, \$2600

Bond, \$1300. Sureties, John T. Grace
and Jno. T. Mullins. Limit, 90 days.
Forfeit, plans and specifications, none.

FRAME FLATS

(940) W HARTFORD 201 S 19th 22x
125. All work for three-story and
basement frame flats.

owner.....W. Arrigone, 1107 19th,
San Francisco.

Architect...None.

Contractor...L. Diougarde, 889 Filbert
San Francisco.

Filed Mar. 25, '15. Dated Mar. 10, '15.

Frame up\$1412.50

Brown coated 1412.50

Completed and accepted..... 1412.50

Usual 35 days..... 1412.50

TOTAL COST, \$5650.00

Bond, \$2825. Sureties, J. Panella and
D. O. Duffie. Limit, 80 days after Mar.
25. Forfeit, none. Plans and speci-
fications filed.

NOTE:—Plans by Architect C. O.
Clausen, Hearst Bldg.

FRAME RESIDENCE

(941) E TWENTIETH AVE 246 S
Lake E 120xS 26. Rough and finish
plumbing for two-story and base-
ment frame residence.

owner.....Solomon Bibb, 312 Maple,
San Francisco.

Architect...Henry Shermund, Mills
Bldg., San Francisco.

Contractor...Frank J. Klimm, 221 Oak,
San Francisco.

Filed Mar. 25, '15. Dated Mar. 19, '15.

Rough plumbing done.....\$348

Completed and accepted..... 300

Usual 35 days..... 217

TOTAL COST, \$865

Bond, \$433. Sureties, Jeremiah Dono-
van and David Lyons. Limit, 80 days.
Forfeit, \$5. Plans and specifications
filed.

FRAME FLATS

(942) W STOCKTON 70 N Filbert N
12-6xW 57-6. All work except gas
and electric fixtures and window
shades for three-story and basement
frame flats.

owner.....Carmela Barletta, 1415
Grant Ave., S. F.

Architect...C. Fantoni, 916 Kearny,
San Francisco.

Contractor...V. Filippis, 21 Columbus
Ave., San Francisco.

Filed Mar. 25, '15. Dated Mar. 23, '15.

Frame up and roof on.....\$1362.50
Brown coated 1362.50
Completed and accepted..... 1362.50
Usual 35 days..... 1362.50
TOTAL COST, \$5450.00
Bond, none. Limit, 90 days after Mar.
— Forfeit, none. Plans and specifications filed.

FRAME FLATS

(943) E SEVENTH AVE 75 N Lake.
Three-story and basement frame (6) flats.
Owner.....Mrs. Sophie Grannis, 1955 Franklin, San Francisco.
Architect...E. E. Young, 251 Kearny, San Francisco.
Contractor..Fred R. Grannis, 1955 Franklin, San Francisco.
COST, \$10,000

BRICK STORES, ETC.

(944) E STOCKTON 81-8 S Clay.
Three-story and basement brick stores and lodgings.
Owner.....Louis Gassner, 112 Geary, San Francisco.
Architect...D. J. Patterson, Mechanics Institute Bldg., S. F.
Day's work. COST, \$25,000

BRICK MARKET

(945) E POLK 87 N Washington.
One-story and basement brick market.
Owner.....M. S. Snow, 1240 Bush, San Francisco.
Architect...C. O. Clausen, Hearst Bld San Francisco.
Day's work. COST, \$12,000

REPAIRS

(946) NO. 631 GRANT AVE. Repair fire damages.
Owner.....L. C. Babin Co., 423 Kearny, San Francisco.
Architect...None.
Day's work. COST, \$2748

BRICK SHOP

(947) S NATOMA 142-6 W New Montgomery. One-story brick carpenter shop.
Owner.....Swenson & Franzen, 230 Tehama, San Francisco.
Architect...None.
Day's work. COST, \$2400

FRAME STORES & APARTMENTS

(948) W MISSION 149 N 14th. Three-story and basement frame stores and (14) apartments.
Owner.....McKillop Bros., 540 Cole, San Francisco.
Architect...None.
Day's work. COST, \$22,000

FRAME APARTMENTS

(949) W MISSION 99 N 14th. Three-story & basement frame (14) apartments.
Owner.....McKillop Bros., 540 Cole, San Francisco.
Architect...None.
Day's work. COST, \$22,000

FRAME APARTMENTS

(950) S SEVENTEENTH 63 W Hartford. Three-story and basement frame (12) apartments.
Owner.....McKillop Bros., 540 Cole, San Francisco.
Architect...None.
Day's work. COST, \$20,000

FRAME APARTMENTS

(951) S PAGE 150 W Shrader. Three-story and basement frame (6) apartments.
Owner.....Chas. E. Reinhart, 17th & Kansas, San Francisco.
Architect...Rousseau & Rousseau, 110 Sutter, San Francisco.
Contractor..Chas. E. Reinhart, 17th & Kansas, San Francisco.
COST, \$9000

FRAME COTTAGE

(952) LOT 31 Lyon & Hoags Sub No. 2, Ashbury Terrace. All work for four-room frame cottage.
Owner.....Patrick H. and Mary Monahan, 305 States, S. F.
Architect...None.
Contractor..D. Houle, 660 Market, S. F.
Filed Mar. 26, '15. Dated Mar. 20, '15.
Frame up\$350
Brown coated 350
House completed 350
Usual 35 days..... 350
TOTAL COST, \$1400
Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications filed.

FRAME DWELLING

(953) NE HAVELOCK 73 E San Jose. One and one-half-story and basement frame dwelling.
Owner.....Balboa Mill & Lumber Co., 1900 San Jose Ave., S. F.
Architect...None.
Day's work. COST, \$1350

FRAME DWELLING

(954) NE HAVELOCK 173 E San Jose. One and one-half-story and basement frame dwelling.
Owner.....Balboa Mill & Lumber Co., 1900 San Jose Ave., S. F.
Architect...None.
Day's work. COST, \$1350

BAKE OVEN

(955) NE GREEN AND KEARNY. Install bake oven.
Owner.....F. Fataro, Premises.
Architect...None.
Contractor..J. P. Glaser Co., 2070 Union, San Francisco.
COST, \$650

ALTERATIONS

(956) NO. 165 POST. New partitions and ceiling.
Owner.....H. Liebes & Co., 171 Post, San Francisco.
Architect...None.
Contractor..L. & E. Emanuel Co., Inc., 144 12th, San Francisco.
COST, \$600

ALTERATIONS

(957) NO. 2550 PINE. Alter dwelling.
Owner.....Mrs. Von Suberlick, 65 Guerrero, San Francisco.
Architect...None.
Contractor..J. F. Boorman, 836 Haight San Francisco.
COST, \$400

ALTERATIONS

(958) NO. 2059 GOLDEN GATE AVE. Change front and minor alterations.
Owner.....Frank P. Adams, 1033 Pine San Francisco.
Architect...None.
Day's work. COST, \$400

ALTERATIONS

NO. 108 EAGLE. Alter dwelling.
Owner.....James L. Lehman, Prem.
Architect...None.

Contractor..J. C. Brown, 172 Caselli, S. F.
COST, \$450

ALTERATIONS

(960) NO. 116 DOWNEY. Alter garage.
Owner.....Edw. J. Jones, Premises.
Architect...None.
Contractor..McCabe & Brown, 110 Jessie, San Francisco.
COST, \$400

REPAIRS

(961) E BARTLETT 160 N 22nd. Repair garage and dwelling.
Owner.....Emma C. Zum, 1308 Guerrero, San Francisco.
Architect...None.
Day's work. COST, \$400

ALTERATIONS

(962) NO. 4555 MISSION. Alter garage, new doors, etc.
Owner.....A. G. Ghiotto, Premises.
Architect...None.
Day's work. COST, \$400

ALTERATIONS

(963) NO. 1224 RAIL ROAD AVE. Alter bakery.
Owner.....Fred Mayer, 4924 26th, San Francisco.
Architect...None.
Contractor..Frank C. Hanlon, 1007 Mendell, San Francisco.
COST, \$850

ALTERATIONS

(964) NO. 790 SHOTWELL. Raise and alter cottage.
Owner.....G. B. Cordano and G. B. Boitano, 3054 22nd, S. F.
Architect...None.
Contractor..Wm. J. Cuneo, 686 Capp, S. F.
COST, \$450

ALTERATIONS

(965) NO. 974 MARKET. Alter front
Owner.....New York Cloak & Suit Co., Premises.
Architect...Jos. Cahen, 45 Kearny, San Francisco.
Contractor..S. Kulchar & Co., 518 4th, Oakland.
COST, \$400

ALTERATIONS

(966) NO. 3224 FOLSOM. Alter dwlg.
Owner.....Mrs. Gordon, Premises.
Architect...None.
Contractor..K. H. McKenzie, 2783 McAllister, San Francisco.
COST, \$500

GARAGE

(967) NO. 124 COMMONWEALTH Ave. One-story frame garage.
Owner.....I. Hanak, Premises.
Architect...M. Brownstone.
Day's work. COST, \$450

FRAME DWELLING

(968) SE LINCOLN WAY AND 29TH Ave. Two-story and basement frame dwelling.
Owner.....F. Nelson, 30 Presidio Terrace, San Francisco.
Architect...None.
Day's work. COST, \$3000

CLASS "C" APARTMENTS

(969) N POST 68-11½ W Hyde W 34-4½x137-6. Structural steel and cast iron reinforcing rods for brick work, joist anchors, bay window framing, etc., for five-story and basement steel from Class "C" apartment house.

Owner...William J. and David T. Lillie,
272 Natoma, San Francisco
Architect...Roussseau & Roussseau, 110
Sutter, San Francisco.
Contractor...Central Iron Works, 631
Florida, San Francisco.
Filed Mar. 27, '15. Dated Mar. 24, '15.
On delivery of all steel, note for
\$2500 payable 1 year from com-
pletion and acceptance.....
On erection of steel frame note
for \$2500, payable 1 year from
completion and acceptance.....
Completed and accepted.....\$1825
Usual 35 days.....475
TOTAL COST, \$7300
Bond, none. Limit, April 30, 1915.
Forfeit, none. Specifications only filed.

(976) GRADING, EXCAVATING, CE-
ment work, foundation work on
above.
Contractor...American Concrete Co.,
Humboldt Bank Bldg., S. F.
Filed Mar. 27, '15. Dated Mar. 25, '15.
On 20th of each month.....75%
Usual 35 days.....25%
TOTAL COST, \$2500
Bond, \$1250. Surety, Massachusetts
Bonding & Insurance Co. Limit, as
fast as required. Forfeit, \$10. Plans
and specifications filed.

BRICK GARAGE
(971) N SEVENTEENTH (Corbett)
205-111, E Market E 25 N 197-5 1/2
SW 65-2 1/2 S 74 S E 25 S 80 M E 115.
Concrete, brick, carpenter, plumbing,
roofing, wiring and painting for
one-story brick garage.
Owner...Pope Estate Co., Kohl
Bldg., San Francisco.
Architect...None.
Contractor...George A. Bos, Hearst
Bldg., S. F.
Filed Mar. 27, '15. Dated Mar. 26, '15.
Excavation and concrete footing
done.....\$1500
Brick work completed.....2500
Completed and accepted.....950
Usual 35 days.....25%
TOTAL COST, \$6600
Bond, \$3300. Surety, Massachusetts
Bonding & Insurance Co. Limit, for-
feit, none. Plans and specifications
filed.

LEASE.

Mar. 27, 1915—NO. 2105 VALLEJO S
line bet. Buchanan and Webster.
Frank C. Nicholls to Wm M. Abbott.
2 years with option to renew.
Mar. 25, 1915—NO. 744 HOWARD N in
bet. 3rd and 4th. Clara S. Bibbero
to Alice Linn. 5 years, \$6720
Mar. 25, 1915—NO. 20 SIXTH and 510
Stevenson with agreement as to 22-
24 Sixth and 510 Stevenson. Gren-
inger Estate Co to Ada Samuel wife
M. A. 5 years, \$27,000.

INCORPORATIONS

National Bed Company. To buy, sell
and manufacture beds. Capital Stock,
\$25,000; 2500 shares at \$10 each;
amount subscribed, \$30. Place of
business, San Francisco. Directors—
R. L. Dally, B. Vale and T. A. Cuthill,
1 share each.
East Gray Realty Company. To deal
in real estate. Capital Stock, \$150,000;
1500 shares at \$100 each; amount sub-

scribed, \$150,000. Place of business,
San Francisco. Directors—S. C. Lillis,
218 shares; S. Shannon, C. A. Holbrook,
Jr., 175 shares each; F. M. Helm, T. G.
Hart, 87 shares each.

"1915 World's Fair Voting Contest
Company." General advertising busi-
ness. Capital Stock, \$50,000; 50,000
shares at \$1 each; amount subscribed,
\$5. Place of business, San Francisco.
Directors—L. S. Benjamin, J. Triest, I.
Stone and L. Stone, 1 share each.

United States National University.
To conduct a university of colleges and
seminaries. No Capital Stock. 5 di-
rectors. Place of business, S. F.
Santa Maria Steamship Co. Capital
Stock, \$250,000; subscribed 1300 shares
at \$100 each. Directors—J. Jerome, H.
Hill, A. H. Vincent, 1 share each.
Place of business, San Francisco.

California Cloak Co. Capital Stock,
\$5000; amount subscribed, \$15; shares,
\$5 each. Directors—J. Roser, W.
Rosenberg, C. L. Seynolds, 1 share
each. Place of business, S. F.

NOTICE OF NON-RESPONSIBILITY.

Mar. 24, 1915—CLIFF HOUSE & ptn
Cliff House Stable and lands lying
south of Cliff House. Emma L.
Merritt, Extrx Est Adolph Sutro,
deed as to improvements on leased
Mar. 27, 1915—SE VAN NESS AVE
and Jackson S 127-8 1/4 E 123. Chas.
Schlessinger as to improvements
on leased property.....
Mar. 23, 1915—SE MARKET 300 NE
Fourth NE 25 SE 100 NE 5 SE 70
SW 30 NW 170; No. 716 Market.
Josiah W. Stanford as to improve-
ments on leased property.....

CONTRACTORS' BOND.

Mar. 25, 1915—W FIFTEENTH AVE
100 N Kirkham N 125xW 27-6. F.
Temple Hilton, owner; Collman &
Collman, contractors; sureties, Fi-
delity & Deposit Co. of Maryland;
Bond, \$7687.

COMPLETION NOTICES.

San Francisco

Mar. 22, 1915—N UNION 137-6 W
Leavenworth 20x137-6. Dr C O
Fauda to John Ratto and G Chris-
tina.....March 22, 1915
Mar. 22, 1915—SW CALIFORNIA &
Stockton S 68-9xW 117-6. Delmar
Smith Clinton to C Sartorio.....
Mar. 23, 1915—N JUDAH (J) 86 E
8th Ave E 27xN 100. Ole Pedersen
to whom it may concern..Mar. —, '15
Mar. 23, 1915—NW POLK & CALI-
fornia W 56-3 N 87-6 W 25 N 25 E
81-3 S 112-6. The Bradbury Estate
Invst Co and Mary M Bradbury
to Hetty Bros.....Mar. 16, 1915
Mar. 23, 1915—N CALIFORNIA 137-6
W Davisadero W 27-4 1/2 N 122-7 E
27-4 1/2 S 132-7. Mary G Dutton to
E C Bletch.....Mar. 22, 1915
Mar. 23, 1915—S CALIFORNIA, bet.
Montgomery and Sansome (Mer-
chants' Exchange Bldg.) S F Com-
mercial Club to Eri H Richardson
.....March 23, 1915
Mar. 23, 1915—SE SACRAMENTO &
Franklin 10x87-8 1/2. Max and
Dora Kolander to E G Denke.....
.....March 23, 1915

Mar. 23, 1915—SW GREENWICH &
Larkin S 46-1 1/2 xW 70. William
G or Wm G Gilmour to Kiernan &
O'Brien.....Mar. 15, 1915
Mar. 24, 1915—NW SEARS 310 SW
Sickles Ave SW 25xNW 103.50.
Victor Bjors to whom it may con-
cern.....Mar. 24, 1915
Mar. 24, 1915—EXPOSITION SITE.
Panama-Pacific International Ex-
position Co to The Turner Co.....
.....March 14, 1915
Mar. 24, 1915—EXPOSITION SITE.
State of Mississippi to whom it
may concern.....Mar. 17, 1915
Mar. 24, 1915—N SUTTER 81 W Tay-
lor N 137-6xW 56-6. Wm Hendrick-
son, Trustee Gaffney Estate Co to
Wm F Wilson Co.....Mar. 24, 1915
Mar. 24, 1915—S CHESTNUT 70 E
Scott E 38x25. Frank Micalizzi
and Cecelia Micalizzi to W E
Grant.....Mar. 24, 1915
Mar. 24, 1915—EXPOSITION SITE.
Pacific Aeroscope Co to George H
Griffin.....Mar. 20, 1915
Mar. 24, 1915—W DIVISADERO 25 S
Filbert S 27-6xW 112-6. W A
Morris to W W Rednall..Mar. 24, 1915
Mar. 25, 1915—NW BUSH & GOUGH
30 on Gough by 110 on Bush. Re-
becca C Tucker to Scott Co.....
.....March 18, 1915
Mar. 25, 1915—W FOURTH AVE 75
S Anza S 25xW 95. John F Haner
to whom it may concern..Mar. 23, '15
Mar. 25, 1915—LOT 45 BLK 12, Lake-
view. Gust Carlson to whom it
may concern.....Mar. 25, 1915
Mar. 25, 1915—E TWENTY-FIRST
Ave 100 S Geary S 25xE 120. John-
son & Johnson to whom it may
concern.....Mar. 25, 1915
Mar. 25, 1915—E HAMBURG 25 N
Joost Ave N 25xE 100. Bartow C
and Virginia M Jewell to Wm H
Grahn.....Mar. 12, 1915
Mar. 25, 1915—EXPOSITION SITE.
Gantner & Mattern Co to McLeran
& Peterson.....Mar. 19, 1915
Mar. 25, 1915—EXPOSITION SITE.
Pacific Aeroscope Co to Val Franz
and Fred P Fisher....Mar. 20, 1915
Mar. 26, 1915—W FOURTH AVE 100
S Irving S 25xW 120. J N Powell
to A Sarraile and P Lagomarsino
.....March 19, 1915
Mar. 26, 1915—EXPOSITION SITE.
Panama-Pacific International Ex-
position Co to McSheehy Bros....
.....Mar. 24, 1915
Mar. 26, 1915—BLOCK DBED BY
Grove, Larkin, Hayes and Polk.
Panama-Pacific International Ex-
position Co to Heywood Bros &
Wakefield Co.....Mar. 24, 1915
Mar. 26, 1915—W VERMONT 50 N
18th 25x100. Herbert Day to G
Cavaglieri.....Mar. 25, 1915
Mar. 26, 1915—NE LYON & LOM-
bard W 250 N parallel with Lyon
275.20 S Chestnut extended E 25
S 275.20. Government of Guate-
mala to F L Hanson...Mar. 25, 1915
Mar. 26, 1915—W BUCHANAN, ex-
tended 40 N Francisco, extended
N 60.87xW 70. Orange Blossom,
Inc to Strehlow, Freese & Peter-
son.....Mar. 20, 1915
Mar. 26, 1915—N FRANCISCO 10 W
Franklin N 100 E 130 S 200 W 130
N 100. Irving C Aekerman to
Strehlow, Freese & Peterson.....
.....March 20, 1915
Mar. 26, 1915—W TENTH AVE 75 N
Clement 25x120. J Forrest Wyman
to whom it may concern..Mar. 24, '15

LIENS FILED

SAN FRANCISCO COUNTY.

Mar. 22, 1915—EXPOSITION SITE. San Mateo Planing Mill Co vs Panama-Pacific International Exposition Co, Young's Restaurant & Richard Sinnott\$104.08

Mar. 22, 1915—NW MARKET AND W. The Embarcadero (East) N to S Commercial W to point 481-8 E Drumm S 59-9 E 45-8 S 59-9 to a point in N Sacramento 527-4 E Drumm E along Sacramento to int with NW Market NE to beg, City slip Lots 118, 119, 121 and 122. Gladding, McBean & Co (Record 68 liens 201), \$1116.98; P J Jackson & Co (re-recorded 71 liens 218), \$132.50; Standard Crushed Rock Co (re-record 71 liens 192), \$889.50 vs Henry Cowell Lime & Cement Co and Thos H Day's Sons.....

Mar. 22, 1915—NW TWENTY-THIRD and San Jose Ave. The Greater City Lumber Co vs M Tsukamoto and A W Burnett.....

Mar. 23, 1915—EXPOSITION SITE. Union Floor Co vs Richard Sinnott, Young's Restaurant and Panama-Pacific International Exposition.....\$110

Mar. 23, 1915—NW MARKET AND W. East N to S Commercial W along Commercial to a point 481-8 E Drumm S 59-9 E 45-8 N 59-9 to a point in N Sacramento 527-4 E Drumm E along Sacramento to N Market NE to beg City Slip Lots 118, 119, 121, 122 (re-record 68 liens 185). United Materials Co vs Henry Cowell Lime & Cement Co and Thos H Day's Sons.....\$678.02

Mar. 24, 1915—EXPOSITION SITE. The Hoffman Heater Co vs Austrian Concession Co and Panama-Pacific International Exposition Co\$515

Mar. 24, 1915—SW BRIGHTON AND Ocean Ave S 223-4 S 25 W 112-6. Wilson Bros & Co vs J C Stromswood and Frank and Genevieve McCarthy\$309.95

Mar. 24, 1915—E SEVENTEENTH AV 32-4½ S Riviera S 25xE 138-10. Eureka Sash, Door & Moulding Mills vs Bessie G and E R Hayden\$430.15

Mar. 23, 1915—EXPOSITION SITE. Union Floor Co vs Young's Restaurant and Panama-Pacific International Exposition Co.....\$120

Mar. 24, 1915—NW MARKET AND N Sacramento NE 23-3¾ m or l to W Embarcadero (East) NW along Embarcadero to a point formed by intersection of W Embarcadero and S Commercial W 38-3¾ m or l to a point 481-8 E Drumm S 59-9 E 45-8 S 59-9 m or l to a point in N Sacramento 527-4 E Drumm E to beg (re-record 67 liens 387). The Simplex Window Co vs Henry Cowell Lime & Cement Co and Thos H Day's Sons.....\$262.60

Mar. 25, 1915—NE MARKET AND Mason 50x100 (Mechanics Bank Bldg). Novelty Elec Sign Co vs A Brook Ridley, Howard S Williams and Bank of Italy.....\$263.20

Mar. 25, 1915—E JOICE 109 S Sacramento S 28-6xE 69-6. Michel & Pfeffer vs S C Harshbarger and Wm R Bell.....\$146

Mar. 25, 1915—EXPOSITION SITE. Ickelheimer Bros vs Austrian Con-

cession Co and Panama-Pacific International Exposition\$517

Mar. 25, 1915—EXPOSITION SITE. Pacific Fire Extinguisher Co vs Lange & Bergstrom, State of Pennsylvania and Panama-Pacific International Exposition ...\$1771.93

Mar. 25, 1915—S BUSH 93-9 W Lyon W 32-2½ S 85-9¾ W 51-5½ S 25 E 51-5½ S 25 E 51-5½ S 26-8¼ E 33-2½ N 137-6. The Gas & Electric Appliance Co, Inc vs Sophia Daggett and Jas F Neall.....\$159.80

Mar. 26, 1915—EXPOSITION SITE. J C Hladik vs Austrian Concessions Co, Geo E Schneider and wife, E M Schneider and Panama-Pacific International Exposition...\$1790.60

Mar. 26, 1915—EXPOSITION SITE. W P Fuller & Co vs Marine Gardens & Cafe Co and Panama-Pacific International Exposition Co\$398.77

Mar. 26, 1915—E NEWTON 125 N Morse E 123.67 NE 9.69 NW 21.35 W 120.83 — 25. Jones-Duncan Paint Co vs M C Warnock & Paul Andro\$11.28

Mar. 26, 1915—E JOICE 109 S Sacramento S 28-6 E 70 N 30-6 W 10 S 2 W 60. E V Lacey vs S C Harshbarger and Wm R Bell.....\$650

Mar. 26, 1915—W BUCHANAN 72 N Francisco W 70 S 57 W 62 N 51 W 23 N 86 E 191 S 80 W 36. National Mill & Lumber Co vs Panama-Pacific International Exposition Co and Marine Gardens Cafe.....\$558.60

RELEASE OF LIENS.

SAN FRANCISCO COUNTY.

Mar. 20, 1915—S GALVEZ AVE 100 W Mandell W 50xS 100. E G Lawrence to Remi Laplace, J Pedupe, Emil Levesque and Maria Laplace.....

Mar. 23, 1915—S GALVEZ 100 W Mendell W 50xS 100. Howes Lumber Co to Emile Levesque, J Pedupe and Marie Laplace.....

Mar. 23, 1915—NW HAMPSHIRE & 21st N 93xW 25. Loop Lumber Co to Dorathea Motzer\$430.15

Mar. 24, 1915—EXPOSITION SITE. Richard Lynch to Wm Schwingen & Co, Lange & Bergstrom, Supt of Constr of Pennsylvania Bldg and Panama-Pacific International Exposition Co.

Mar. 24, 1915—NE CLAY & LEAVENWORTH N 30xE 94. C Carnevali Marble & Mosaic Co to John R Schroeder\$146

Mar. 25, 1915—SE GROVE & CLAYTON E 106-3xS 40. L Blum to Louis D Stoff\$146

Mar. 25, 1915—N OFARRELL 80 W Devisadero W 195 N 137-6 E 150 S 25 E 25 S 25 E 20 S 87-6. Michael & Pfeffer and John A M Boller to The Young & Swain Baking Co and Borch-Hoffman Co\$146

Mar. 26, 1915—NW OFARRELL 80 W Devisadero W 195 N 137-6 E 150 S 25 E 25 S 25 E 20 S 87-6. Standard Portland Cement Corp to The Young & Swain Baking Co.....

Mar. 26, 1915—N OFARRELL 80 W Devisadero W 195 N 137-6 E 150 S 25 E 25 S 25 E 20 S 87-6. Robert W Beattie to The Young & Swain Baking Co\$146

OAKLAND AND ALAMEDA COUNTY.


RESIDENCE — 2 story and base, frame, \$3,000. Oakland, Cal. Architect, Alvin J. Stern, 306 14th street, Oakland. Owner, W. R. Plunkett. The dwelling has been designed for a seven-room house and will be erected on 14th avenue. Interior will be finished in pine, redwood and white enamel. Hardwood floors will be used in the principal rooms. There will be furnace heat and open fire places. Mantels will be of tile and brick. Tile wainscot will be used in the bath room. An automatic water heater will be installed. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are complete and the work will be done by Day Labor under the direction of the architect.

CHURCH—2 story and base, brick and steel. Cost not stated. Oakland, Cal. Architect, William A. Newman, David Hewes Bldg., S. F. Owners, Second Church of Christ, Scientist. Architect Newman states that an award of contract for this work will be made this week.

RESIDENCE — 2 story and base, frame, \$7,000. Oakland, Cal. Architect, Henry H. Guttererson, 80 Post street, S. F. Owners, Claremont Land Co. The dwelling has been designed to contain eight rooms, sleeping porch and two baths, and will be erected in the Claremont Tract. Interior will be finished in pine, hardwood and white enamel. Hardwood floors will be used in the living room, dining room and reception hall. There will be furnace heat and open fire places. Mantels will be of tile and brick. A hot water circulating system will be installed. Tile floors and wainscot will be used in the bath rooms. Exterior of the dwelling will be covered with cement plaster on metal lath. A garage will be erected in the rear of the property. Plans are complete and the work will be done by Day Labor under the direction of the architect.

RESIDENCE — 2 story and base, frame, \$5,000. Oakland, Cal. Architect, none. Owner, H. M. Swalley, 710 Walker avenue, Oakland. The dwelling will be erected on Lakeshore avenue north of Rosal, and has been designed for a seven-room house with bath and sleeping porch. Interior will be finished in pine, hardwood and some white enamel. Hardwood floors will be used in the principal rooms. There will be furnace heat and open fire places. Mantels will be of tile or tile and brick. Tile floor and wainscot will be used in the bath room. An automatic water heater is specified. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor. Materials are now being purchased.

RESIDENCE—1½ story and base, frame, \$2,500. Oakland, Cal. Architect, George B. Bellamy, 1631 37th avenue, Oakland. Owner, Mr. Botton. The dwelling will be erected on High street near Peralta, and has been designed for a five-room house with bath. Interior will be finished in pine and redwood. Hardwood floors will be used in the living and dining rooms. There will be a large open fire place in the living room. Mantels will be of tile. Tile wainscot will be used in



**Structural Steel
Contractors**

**Works at
HARRISON ST.,
bet. 8th & 9th
San Francisco**

Telephone Market 337

the bath room and kitchen. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are now being figured.

RESIDENCE—2 story and base, frame. Cost not stated. Oakland, Cal. Architect, Charles W. McCall, Central Bank Bldg., Oakland. Owner, K. C. Paul. The dwelling will be erected on Lakeshore avenue and has been designed for a seven-room house with bath and sleeping porch. Interior will be finished in pine, redwood, hardwood and white enamel. Hardwood floors will be used in the living room, dining room and reception hall. There will be furnace heat and open fire places. Mantels will be of tile and brick. Bath room will have tile floor and wainscot. An automatic water heater will be installed. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are complete and now out for figures.

RESIDENCE—2 story and base, frame, \$6,500. Oakland, Cal. Architect, Charles W. McCall, Central Bank Bldg., Oakland. Owners, Wickham-Havens Co. The dwelling has been designed for an eight-room house with two baths and sleeping porch, and will be erected in the Crocker Highlands. Interior will be finished in pine and hardwood with white enamel in the bed rooms. There will be hardwood floors in the principal rooms. Plans provide for furnace heat and open fire places. Mantels will be of tile and brick. Tile floor and wainscot will be used in the bath rooms. An automatic water heater is specified. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are complete and figures are now being taken by the owners.

RESIDENCE—2 story and base, frame, \$8,000. Oakland, Cal. Architect, Charles W. McCall, Central Bank Bldg., Oakland. Owner, Dr. J. L. Milton. The dwelling will contain nine rooms, two baths and sleeping porches. A separate garage will be erected on the property. The dwelling will be erected in the Crocker Highlands. Interior will be finished in pine and hardwood with white enamel in the bed rooms. There will be hardwood floors throughout. Plans provide for furnace heat and open fire places. Mantels will be of tile and brick. A hot water circulating system will be installed. Exterior of the dwelling and garage will be covered with cement plaster on metal lath. Plans are complete and figures are being taken.

CITY HALL LIGHTING FIXTURES AND INTERIOR LIGHTING. Cost not stated. Oakland, Cal. Architect, Supervising Architect J. J. Donovan, Oakland. Owners, City of Oakland. Plans are complete and figures are

now being taken for both the exterior lighting and for the interior lighting fixtures on the new City Hall. Bids will be opened by the City Council on April 1st. Plans and specifications can be secured from the supervising architect.

WAREHOUSE FOUNDATION WORK, ETC.—1 story, steel. Cost not stated. Oakland, Cal. Engineer, Oakland Harbor Engineer, City Hall, Oakland. Owners, City of Oakland. Bids opened Friday last for the foundation work and asbestos metal covering for this building show L. B. Withers, Oakland, low on the foundation work at \$1,140, and the Asbestos Protected Metal Co. low on the asbestos covering at \$22.69 per square. A complete list of the bids will be found under the heading of Oakland and Alameda County in this issue.

ELECTRIC SUBSTATION—1 story, brick, \$3,500. Oakland, Cal. Architect, none. Owners, Pacific Gas and Electric Co., 13th and Clay streets, Oakland. Plans have been completed for altering the present station at the corner of 24th avenue and Railroad from a frame structure into a brick building. The work will be done by Day Labor. Materials are now being purchased.

CIVIC CENTER HALL—1 story, frame and plaster. Cost not stated. Hayward, Alameda Co., Cal. Architects, Thomas & Oliver, Pantages Theatre Bldg., Oakland. Owners, Little Landers. The building has been designed in the Mission style and will be used as a meeting place for the colony settling in Hayward Heath. Interior will contain an auditorium and committee rooms. Interior finish will be of pine and redwood. Exterior of the building will be covered with cement plaster on metal lath. Plans are being prepared.

BUNGALOWS—12, 1 story and base, frame, \$2,000 each. Oakland, Cal. Architect, none. Owners, Peralta Investment Co, 1957 East 38th street, Oakland. These dwellings will be erected on Rhoda avenue near Madeline, and each has been designed to contain five rooms and bath. Interiors will be finished in pine and redwood. Some oak floors will be used. There will be open fire places and tile or brick mantels. Imitation tile will be used in the bath rooms. Interiors will be covered with rustic and cement plaster on metal lath. Plans are complete and in the hands of the owners who will do the work by Day Labor. Materials are now being purchased.

SCHOOL, 1 story and base, frame and plaster, \$35,000. Berkeley, Alameda Co., Cal. Architect, James W. Planchek, Acheson Bldg., Berkeley. Owners, City of Berkeley. Bids opened for the construction of the new

Claremont School show A. F. Waid low on the general construction at \$23,543, and Seibert Co. low on the plumbing and heating at \$3,922. All bids were referred to the Board of Education and Supervising Architect. An announcement of the award will be made later.

SCHOOL—2 story and base, frame and plaster, \$40,000. Oakland, Cal. Architect, Supervising Architect J. J. Donovan, Security Bank Bldg., Oakland. Owners, City of Oakland. Bids opened for the construction of the Tompkins School show Robert Glaze low on the general construction at \$34,989. No action was taken on the award, but bids were referred to the Supervising Architect and Board of Education.

APARTMENT HOUSES—2, 2 story and base, frame, \$25,000. Oakland, Cal. Architects, Rousseau & Rousseau, 110 Sutter street, S. F. Owners name withheld. These buildings will be erected on Third avenue between 14th and 15th streets, and have been designed in the duplex style. Each building will cover an area of 35 by 100 feet, and will contain a number of large suites. Interiors will be finished in pine and hardwood with hardwood floors in the living rooms, dining rooms and reception halls. There will be steam heat, a hot water supply and vacuum cleaning. All suites will have wall beds and private bath rooms. Tile floors and wainscot will be used in the bath rooms. Exterior of the buildings will be covered with cement plaster on metal lath. The same owner will erect four other similar buildings as soon as the first two are under roof. Plans for these two buildings are now being prepared and will shortly be ready for figures.

APARTMENT HOUSE ADDITIONS AND ALTERATIONS—Frame construction, \$4,000. Oakland, Cal. Architect, none. Owner, W. M. Mann, 1949 7th avenue, Oakland. This work will consist of interior mill work, partitions, plastering, plumbing, painting and electric work. No exterior alteration will be made. Plans are complete and in the hands of the owner who will do the work by Day Labor. Materials are now being purchased.

RESIDENCE—2 story and base, frame, \$3,500. Oakland, Cal. Architect, John Carson, Bacon Bldg., Oakland. Owner, E. J. Lloyd, 1057 Walker avenue, Oakland. The dwelling will be erected on Walker avenue near Boulevard Way, and has been designed for an eight-room house with bath and sleeping porch. Interior will be finished in pine and redwood with some hardwood veneer. Hardwood floors will be used throughout. There will be furnace heat and open fire places. Mantels will be of tile or brick. Tile wainscot will be used in the bath room. An automatic water heater will be installed. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are complete and the work will be done by Day Labor.

BUNGALOW—1 story and base, frame, \$5,000. Oakland, Cal. Architect, none. Owner, John A. Bischoff, 6045 Hardwood avenue, Oakland. The dwelling will be erected on 63rd street east of Hillegass, and has been designed to contain seven rooms and bath. Interior will be finished in pine

and hardwood. Hardwood floors will be used in the living room, dining room and reception hall. There will be furnace heat and open fire places. Mantels will be of tile and brick. Bath room will be finished in tile. An automatic water heater will be installed. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor.

SCHOOL—2 story and base, frame, \$10,000. Oakland, Cal. Architect, Superintendent of Buildings and Grounds City Hall, Oakland. Owners, City of Oakland. The building will be erected at the southwest corner of Perry and Van Buren, and has been designed to contain six rooms. Interior will be finished in pine with maple floors. Exterior of the building will be covered with cement plaster on metal lath. Steam heat is included. Plans are complete and figures are now being taken. Bids will be opened on April 13th.

SCHOOL ADDITION — Frame construction, \$25,000. Oakland, Cal. Architect, Superintendent of Buildings and Grounds, City Hall, Oakland. Owners, City of Oakland. This work, which is to be done at the Lafayette School, will consist of the construction of a two-story frame auditorium and three class rooms. Interior will be finished in pine and hardwood. There will be a central heating system. Exterior will be covered with cement plaster on metal lath. Plans are being prepared, but work will not be out for figures before July 1st.

STORES—1 story and base, brick and steel, \$30,000. Berkeley, Alameda Co., Cal. Architect, James W. Plachek, Acheson Bldg., Berkeley. Owner, W. J. Acheson. The building will be erected at the corner of Home street and University avenue, covering an area of 68 by 105 feet. There will be a number of modern stores finished in pine and hardwood. Patent store fronts and plate glass windows will be used. Exterior of the building will be faced with pressed brick trimmed with terra cotta. Plans are now being prepared.

STORES—1 story and base, frame. Cost not stated. Oakland, Cal. Architect, Frank S. Forster, 1234 Grove street, Berkeley. Owner, Fred M. Miller. The building will be erected at the southeast corner of 14th street and 3rd avenue, and has been designed to contain three small stores. Interiors will be finished in pine. There will be plate glass display windows and marble base. Exterior will be covered with cement plaster on metal lath. Plans are complete and figures are being taken.

STORES AND OFFICES—5 story and base. Class A construction. Cost not stated. Oakland, Cal. Architect, C. W. Dickey, Central Bank Bldg., Oakland. Owners, Oakland Commercial Club. The building will be erected at the corner of 13th and Harrison streets, covering an area of 70 by 100 feet. There will be stores on the first floor and a large number of modern offices on the upper floors. Interior will be finished in pine and hardwood. There will be a complete steel frame, exterior walls of brick, faced with pressed brick and terra cotta. The organization is now busy arrang-

ing bonds, and working drawings will not be prepared until funds are available.

Contracts Awarded
POST OFFICE LIGHTING FIXTURES—Cost not stated. Berkeley, Alameda Co., Cal. Architect, Supervising Architect Oscar Wenderoth, Washington, D. C. Owners, United States Government. Contractors, Ickelheimer Bros., S. F. Contract price, \$2,000.

Tompkins School Bids Opened By Board.

Two-story Frame and Plaster School Will be Built by Robert Glaze, Lowest of Eleven Bidders.

Eleven bids were opened at the Tuesday afternoon meeting of the Oakland Board of Education for the construction of the Tompkins School, a two-story frame and plaster building designed by Supervising Architect J. J. Donovan. Robert Glaze submitted the lowest bid at \$34,989, which was taken under advisement. Following is a complete list of the bids as opened:

Tompkins School Construction.	
Richardson Bros.	\$37,396
Oliver Duval & Son.....	38,370
Robert Glaze	34,989
R. W. Littlefield.....	39,159
McLeran & Peterson.....	35,716
Monson Bros.	35,987
Nielsen & Bertelsen.....	35,534
Alfred Olsen	37,388
Lester H. Stock.....	35,429
Schnebly, Hostrawser & Pedgrift	38,732
Van Sant-Houghton	35,490

Bids Opened For Claremont School.

A. F. Waid Low for Work, But all Bids Taken Under Advisement Until Next Meeting of The Board.

Bids were opened on Tuesday, March 23rd, by the Berkeley Board of Education for the construction of the new Claremont Avenue School, a one-story and basement frame and plaster building, designed by Architect James W. Plachek of Berkeley. Separate bids were taken for the general construction and for the heating and ventilating. All bids were referred to the Board of Education and the Supervising Architect. Following is a list of the bids as opened:

Claremont School.	
William L. Boldt.....	\$27,835
Louis Cereghino & Son....	24,790
D. O. Church.....	26,100
Carnahan & Mulford.....	25,176
F. H. Field.....	23,935
Matthew Morton	29,317
Monson Bros.	32,487
Ben Pearson	27,304
Isaac Penny	27,930
Phillip Sheridan	29,886
Stockholm & Allyn.....	26,575
Walter Sorensen	26,105
Lester H. Stock.....	26,088
Van Sant, Houghton Co....	26,324
A. F. Waid.....	23,543
Masow & Morrison.....	29,895

J. Wendering	25,885
W. D. Henderson.....	25,570
Heating and Ventilating.	
Seibert Co.	\$3,922
Bay Engineering Co.....	5,170
Robert Dalziel Co.....	4,438
J. C. Hurley Co.....	4,558
Pacific Fire Extinguisher Co.	4,925
George Stoddard	4,728
Carl T. Doell.....	4,058
Ralston Iron Works.....	5,817
J. E. O'Mara.....	5,147
Scott Co.	4,895

Oakland Warehouse Bids

City Council Opens Bids for Foundation and Asbestos Covering for Warehouse on Quay Wall.

Bids were opened Friday by the Oakland City Council for the reinforced concrete foundation work on the one-story steel and concrete warehouse which is to be erected on the Oakland Quay wall. Bids were also opened for the asbestos covering for the same. All bids were referred to the Commissioner of Public Works and the City Attorney. Following is a list of the bids opened:

Foundation Work for Warehouse.	
R. H. Cooley.....	\$1,446.80
L. B. Withers.....	1,140.00
J. V. Westerlund.....	1,279.00
Duncanson, Harrelson Co.	1,184.00
Matthew Co.	1,665.00
Christensen Bros.	1,227.00
H. E. Franks.....	1,190.00

Asbestos Covering.

Asbestos Protected Metal Co., \$22.69 per square.
Robert Dalziel Jr., \$24.60 per square

Building Contracts Awarded.

Oakland.

No.	Owner.	Contractor	Amt.
177	Coit	Coit	2500
178	Loffelmyer	Higgins	400
179	Coit	Coit	1750
180	Wright	Tullock	2040
181	N S G W.....	Owner	4500
182	K. of C.....	Owner	600
187	Lutz	Griffin	1010
188	McHenry	Sampson	7327
189	Nicoll	Christiansen	900
190	Same	Same	900
191	Rinehart	Scott	900
192	Wetzel	Fedt	400
193	Boyd	Carlos	2500
194	Frank	Frank	400
195	Brown	Brown	2000
196	Mann	Mann	4000
197	Desler	Michel	1800
198	Hutchinson	Owner	500
199	Rlty Synd	Cummins	2788
200	Same	Schnebly	5980
201	Marshall	Miller	1200
202	Knight	Knight	1950
203	Albera	Valente	525
204	Nichol	Corbett	500
205	McLellan	Barton	5000
206	Sperry	Texdahl	3400
207	Harron	Hoots	3850
208	Pfrang	Pfrang	2500
209	O'Connell	Sexton	3145
210	Pacific G & E Co.	Owner	3200
211	Flittner	Flittner	1950
212	Hill	Hart	1500
213	Cordoba	Cordoba	1600
214	Eschweiler	Owner	1650
215	Stulz	Graff	2525
216	Edwards	Murdock	400
217	Jacobs	Anderson	500
218	Clark	Clark	600
219	Gregory	Boeddeker	1875
220	Pleitner	Pleitner	2000
221	Harris	Hudson	2000
222	Hogue	Sims	500
223	Silva	Brown	1450
224	Security Inv	Doell	2880
225	Security	Electrical	1224
226	Turnball	Davina	2000
227	Bischoff	Bischoff	2000
228	Jonas	Chlentzos	700
229	Behr	Doss	500

544	Hewitt	Greuner	5000
545	Same	Same	5000
546	Everson	Field	3000
547	Lloyd	Carson	3500

DWELLING

(177) NW FIFTY-FOURTH & DOVER
Oakland. Two-story 5-room dwlg.
Owner.....C. B. Coit, 306 14th, Okd.
Architect...None.
Contractor..Roger Coit, 306 14th, Okd.
COST, \$2500

ADDITION

(178) S E-FOURTEENTH 40 E 94th
Ave., Oakland. Addition.
Owner.....J. and B. Toffelmyer, San
Leandro.
Architect...None.
Contractor..W. H. Higgins, 2477 94th
Ave., Oakland.
COST, \$400

DWELLING

(179) N FIFTY-FOURTH 60 W Dover
Oakland. One-story 4-room dwlg.
Owner.....C. B. Coit, 360 14th, Okd.
Architect...None.
Contractor..Roger Coit, 306 14th, Okd.
COST, \$1750

DWELLING

(180) E FORTY-SECOND AVE 527 N
Carrington, Oakland. One-story 5-
room dwelling.
Owner.....Paul C. Wright, 3947 18th,
San Francisco.
Architect...None.
Contractor..H. Tullock, 2445 24th Ave.,
Oakland.
COST, \$2040

FRAME LODGE BUILDING

(181) E FRANKLIN 17 N 17th, Oak-
land. One-story 7-room frame lodge
building.
Owner.....Native Sons Hall Ass'n,
Oakland.
Architect...None.
Day's work. COST, \$4500

ALTERATIONS

(182) NO. 660 THIRTEENTH, Oak-
land. Alterations.
Owner.....Knights of Columbus Hall
Ass'n., 16th & Jefferson,
Oakland.
Architect...None.
Day's work. COST, \$600

ALTERATIONS

(187) N MISSION formerly known as
Ford Property, Irvington. Store
front and roof for one-story frame
store building
Owner.....Dr. C. A. Lutz, Irvington.
Architect...None.
Contractor..F. C. Griffin & Sons,
Irvington.
Filed Mar. 22, '15. Dated Mar. 16, '15.
Front ready for exterior plaster.\$500
Completed 510
TOTAL COST, \$1010
Bond, none Limit, 35 days. Forfeit,
\$5. Plans and specifications filed.

FRAME DWELLING

(188) N LAFAYETTE AVE being Ptn
Lot 40 Map Crocker Terrace, Pied-
mont. All work except painting,
hardwood floors, glazing and heating
for two-story and basement frame
dwelling.
Owner.....F. T. McHenry, 225 Hill-
side Ave., Piedmont.
Architect...Albert Parr, 68 Post, S. F.

Contractor..W. S. Sampson, 6506
Wheeler, Okd. and C. A.
Doane, 662 35th, Oakland.
(Sampson & Doane).

Filed Mar. 22, '15. Dated Mar. 20, '15.
Rafters on\$1000
Ready for plaster..... 800
Plastering completed 1200
80% materials to complete house
on premises, paving completed,
door jams in place and casings
2nd story in place..... 1000
Completed and accepted..... 1427
Usual 35 days..... 1810
TOTAL COST, \$7237

Bond, \$3618.50. Surety, Massachusetts
Bonding and Insurance Co. Limit, 100
days. Forfeit, \$10. Plans and specifi-
cations filed.

DWELLING

(189) E TWENTY-THIRD AVE 64 S
E-8th, Oakland. One-story 4-room
dwelling.
Owner.....W. D. Nicoll, 2400 E-20th,
Oakland.
Architect...None.
Contractor..N. Christiansen, 2332 E-
20th, Oakland.
COST, \$900

DWELLING

(190) E TWENTY-THIRD AVE 89 S
E-8th, Oakland. One-story 4-room
dwelling.
Owner.....W. D. Nicoll, 2400 E-20th,
Oakland.
Architect...None.
Contractor..N. Christiansen, 2332 E-
20th, Oakland.
COST, \$900

GARAGE

(191) NO. 1252 SEVENTH AVE., Oak-
land. Two-story 3-room garage.
Owner.....W. B. Rienhart, 1252 7th
Ave., Oakland.
Architect...None.
Contractor..G. A. Scott, 685 23rd, Okd.
COST, \$900

ALTERATIONS

(192) NO. 987 SCOTT, Oakland. Al-
terations.
Owner.....Louis J. Wetzel, Premises.
Architect...None.
Contractor..Fedt Bros., 528 25th, Okd.
COST, \$400

DWELLING

(193) NE CORONADO & DESMOND,
Oakland. One-story 5-room dwlg.
Owner.....Boyd & Carlos, Key Route
Inn, Oakland.
Architect...None.
Day's work. COST, \$2500

ADDITION

(194) NO. 1723 ATLANTIC, Oakland.
Addition.
Owner.....Antonio Frank, Premises.
Architect...None.
Day's work. COST, \$400

DWELLING

(195) N BROOKDALE 80 W Lilac,
Oakland. One-story 5-room dwlg.
Owner.....N. A. Brown, 1624 24th
Ave., Oakland.
Architect...None.
Contractor..W. C. Brown, 1624 24th
Ave., Oakland.
COST, \$2000

ALTERATIONS

(196) W PERALTA 62 S 14th, Oak-
land. Alter and add to 3-st frame
apartments.

Owner.....Wm. Mann, 1949 7th Ave.,
Oakland.
Architect...None.
Day's work. COST, \$4000

DWELLING

(197) N SIXTY-SIXTH 10 W Herzog,
Oakland. One-story 6-room dwlg.
Owner.....Wm. Desler, 1080 66th,
Oakland.
Architect...None.
Contractor..R. Michel, 1092 66th, Okd.
COST, \$1800

BLACKSMITH SHOP

(502) FOOT FRUITVALE AVE., Oak-
land. Blacksmith shop.
Owner.....Hutchinson Co., 1300
Franklin, Oakland.
Architect...None.
Day's work. COST, \$500

ALTERATIONS

(503) NO. 1444 BROADWAY, Oakland.
Marble and tile work for alterations
to office building.
Owner.....Realty Syndicate, Prem.
Architect...Hamilton Murdock & W.
H. Crim, Jr., 425 Kearny,
San Francisco.
Contractor..C. L. Cummins.

Filed Mar. 22, '15. Dated Mar. 18, '15.
Basement set ¼
Tile floors set..... ¼
Completed and accepted..... ¼
Usual 35 days..... ¼
TOTAL COST, \$2788
Bond, \$1400. Sureties, Jas. H. Ped-
grift and Henry W. Schnebly. Limit,
30 days. Forfeit, none. Plans and
specifications filed.

BRICK STORES

(504) W FRANKLIN 112 N 14th W
40xN 74, Oakland. All work for one
story brick stores.
Owner.....Realty Syndicate, 1444
Broadway, Oakland.
Architect...Hamilton Murdock & W.
H. Crim, Jr., 425 Kearny,
San Francisco.
Contractor..Schnebly, Hostrawser &
Pedgrift, 6th and Jackson,
Oakland.

Filed Mar. 22, '15. Dated Mar. 18, '15.
Brick work completed..... ¼
Roof on and plastered..... ¼
Completed and accepted..... ¼
Usual 35 days..... ¼
TOTAL COST, \$5980

Bond, \$3900. Sureties, Wm. Makin and
J. E. MacCormac. Limit, 60 days. For-
feit, none. Plans and specifications
filed.

DWELLING

(505) E MAGNOLIA 200 S 34th, Oak-
land. One-story 5-room dwelling.
Owner.....J. S. Marshall, 3312 Magno-
lia, Oakland.
Architect...None.
Contractor..N. P. Miller, 960 56th, Okd.
COST, \$1300

DWELLING

(506) W MARKET 50 N 39th, Oakland
One-story 5-room dwelling.
Owner.....H. C. Knight, 3857 Market,
Oakland.
Architect...None.
Day's work. COST, \$1950

WORK SHOP

(507) NO. 9857 "C," Oakland. One-
story work shop.
Owner.....P. Albera, Premises.
Architect...None.

Contractor..M. E. Valente, 5882 Vallejo
Oakland. COST, \$525

REPAIRS

(508) NO. 2304 NINTH AVE., Oakland.
Repairs.

Owner.....Mrs. Capt. Nichol, Prem.
Architect...None.
Contractor..Corbett & Bayliss, 1110
Franklin, Oakland.
COST, \$500

DWELLING

(509) N ASHMONT 500 W Mandana
Bldg., Oakland. Two-story 8-room
dwelling.

Owner.....J. J. McLellan, 1st Nat'l.
Bank Bldg., Oakland.
Architect...Claude B. Barton, 1st Trust
Bldg., Oakland.
Contractor..Claude B. Barton, 1st Trust
Bldg., Oakland.
COST, \$5000

DWELLING

(513) S FIFTY-NINTH 200 E College
Ave., Oakland. Two-story 7-room
dwelling.

Owner.....Emma and Chas. Sperry.
Architect...None.
Contractor..C. Texdahl, 3035 Harper,
Berkeley. COST, \$3400

FRAME DWELLING

(514) W MORAGA AVE 300 N Pleas-
ant Valley Ave. being Lot 93 Pleas-
ant Valley Court, Oakland. All
work for one and one-half-story
and basement 5-room frame dwlg.
Owner.....Geo. D. and Leah E. Har-
ron, Oakland.
Architect...None.

Contractor..John A. Hoots & Son, 326
Hobart, Oakland.

Filed Mar. 24, '15. Dated Mar. 18, '15.

35 days after completed and ac-
cepted, \$3000 cash and note for \$850
TOTAL COST, \$3850
Bond, none. Limit, 90 days after Mar.
20. Forfeit, none. Plans and speci-
fications filed.

DWELLING

(515) E SIXTY-SIXTH AVE 200 S
Arthur, Oakland. One-story 5-room
dwelling.

Owner.....C. J. Pfrang, 5457 Clare-
mont Ave., Oakland.
Architect...None.
Day's work. COST, \$2500

FRAME APARTMENTS AND FLATS

(516) LOTS 53 AND 54 Resbdvn Blks
10 and 11 Howe Tract and ptn Lots 1
and 25 Blk "A" Map No.1, Highland
Terrace, Oakland. Lathing, plaster-
ing and cementing for two-story
frame apartments and two-story
frame flats.

Owner.....D. F. O'Connell, 4243 Howe,
Oakland.

Architect...F. D. Voorhees, Central
Bank Bldg., Oakland.

Contractor..T. D. Sexton, 2608 Market
Oakland.

Filed Mar. 24, '15. Dated Mar. 3, '15.

1st day of each month..... 75%
Usual 35 days..... 25%

TOTAL COST, \$3145
Bond, \$1600. Sureties, V. P. Sexton &
M. P. Connolly. Limit, as soon as
possible. Forfeit, none. Plans and
specifications filed.

ALTERATIONS

(521) COR. TWENTY-FOURTH AND
Railroad Aves., Oakland. Alter brick
electric station.

Owner.....Pacific Gas & Electric Co.,
13th and Clay, Oakland.

Architect...None.
Day's work. COST, \$3200

DWELLING

(522) NO. 3884 MAGEE AVE., Oak-
land. One-story 6-room dwlg.

Owner.....Valentine Flittner, Pana-
ma, Iowa.

Architect...None.
Contractor..Jos. Flittner, 1700 35th
Ave., Oakland. COST, \$1950

DWELLING

(523) W FORTY-FOURTH AVE 100
S E-12th, Oakland. One-story five-
room dwelling.

Owner.....Geo. Hill, 1629 45th Ave.,
Oakland.

Architect...None.
Contractor..N. H. and J. G. Hart, 2131
E-16th, Oakland. COST, \$1500

DWELLING

(524) NW EIGHTY-THIRD AVE &
Olive, Oakland. One-story 5-room
dwelling.

Owner.....J. S. Cordoza, 2001 83rd
Ave., Oakland.

Architect...None.
Day's work. COST, \$1600

DWELLING

(525) SE ROSE AND AYALA, Oakland
One and one-half-story 5-room dwlg

Owner.....H. Eschweiler, 437 6th,
Oakland.

Architect...None.
Day's work. COST, \$1650

FRAME DWELLING

(526) LOT "L" Sub Lots 20, 21, 22,
Gien Echo Tract No. 2, Piedmont.

All work for one-story frame dwlg.
Owner.....G. H. Stulz, 1522 Lincoln
Ave., Alameda.

Architect...None.
Contractor..Edwin C. Graff, SW Dowl-
ing Blvd. & Beverley Ave.,
Oakland.

Filed Mar. 25, '15. Dated Mar. 24, '15.

1st payments\$150.00
Frame up631.25
Brown coated 631.25
Completed 631.25
Usual 35 days..... 631.25
TOTAL COST, \$2525.00

Bond, none. Limit, 90 days after Mar.
25. Forfeit, none. Plans and speci-
fications filed.

TANK FRAME

(529) NO. 1609 EIGHTY-SIXTH AVE
Oakland. Tank frame.

Owner.....M. Edwards, Premises.
Architect...None.

Contractor..L. W. Murdock, 1301-12
Webster, Oakland. COST, \$400

ALTERATIONS

(530) NO. 1101 BROADWAY, Oakland
Alterations.

Owner.....Barne Jacobs, Premises.
Architect...None.

Contractor..John Anderson, 1424
Broadway, Oakland. COST, \$500

ADDITION

(531) NO. 729 FORTY-FOURTH, Oak-
land. Addition.

Owner.....Chas. K. Clark, 725 44th,
Oakland.

Architect...None.
Day's work. COST, \$300

DWELLING

(532) W MANILA AVE 210 N Moss
Ave., Oakland. One-story 5-room
dwelling.

Owner.....Mrs. Mary N. Gregory,
Fruitvale Ave., Oakland.

Architect...None.
Contractor..Joseph Boeddeker, 1814
34th Ave., Oakland. COST, \$1875

DWELLING

(533) E HILLSDALE at S. P. R. R.
Tracks, Oakland. One-story 5-room
dwelling.

Owner.....H. A. Pleitner, 954 Fruit-
vale Ave., Oakland.

Architect...None.
Day's work. COST, \$2000

DWELLING

(534) S E-THIRTY-NINTH 440 E
Fruitvale Ave., Oakland. One-story
5-room dwelling.

Owner.....Harris & Hudson, 1957 E-
38th, Oakland.

Architect...None.
Day's work. COST, \$2000

ALTERATIONS

(535) E VERNON 150 N Santa Clara
Ave., Oakland. Alterations.

Owner.....C. L. Hogue.
Architect...None.

Contractor..E. Sims, 272 40th, Okd.
COST, \$500

ALTERATIONS

(536) NO. 1666 CHASE, Oakland.
Alterations and additions.

Owner.....Joseph Silva, Premises.
Architect...None.

Contractor..Joe Brown, 1847 E-14th,
Oakland. COST, \$1450

STEAM HEATING, ETC.

(538) E ALICE 430 S 19th. Oakland.
Steam and domestic water and steam
heating for four-story and basement
brick apartments.

Owner.....Security Investors Realty
Co. by J. Meyer, Agent.

Architect...Clay N. Burrell, Albany
Block, Oakland.

Contractor..Carl T. Doell, 467 21st,
Oakland.

Filed Mar. 26, '15. Dated Mar. 25, '15.

Rough piping done.....\$700
Boilers, storage tank and cover-
ing set up complete..... 700
Completed 700
Usual 35 days..... 780
TOTAL COST, \$2880

Bond, \$1440. Sureties, Alfred Olson &
James H. Pedgrift. Limit, forfeit,

none. Specifications only filed.

ELECTRIC WIRING

(539) E ALICE 430 S 19th, Oakland.
Electric wiring for four-story and
basement brick apartments.

Owner.....Security Investors Realty
Co. by J. Meyer, Agent.

Architect...Clay N. Burrell, Albany
Block, Oakland.

Contractor..The Electrical Constr. Co.,
312 12th, Oakland.

Filed Mar. 27, '15. Dated Mar. 26, '15.

1st approval of elec. inspector..\$612
Completed 306

10 days.....\$300
TOTAL COST, \$1224
Bond, \$12. Surety, Fidelity & Deposit Co. Limit, forfeit, none. Specifications only filed.

STUDIO

(540) S E-FOURTEENTH 100 E 34th Ave., Oakland. One-story photographic studio.

Owner.....Robert Turnbull.
Architect...None.
Contractor..S. J. Davina and D. McKay
Box 158, San Lorenzo.
COST, \$2000

DWELLING

(541) S SIXTY-THIRD 277½ E Hille-gass, Oakland. One-story 5-room dwelling.

Owner.....John A. Bischoff, 6045 Har-wood Ave., Oakland.
Architect...None.
Day's work. COST, \$2000

ALTERATIONS

(542) NO. 1107 BROADWAY, Oakland Alterations.

Owner.....A. Jonas, Oakland.
Architect...None.
Contractor..D. Chlentos, 1013 Hayes, San Francisco.
COST, \$700

ALTERATIONS

(543) NO. 611 JEAN, Oakland. Alter. Owner.....W. G. L. Behr, Premises.
Architect...None.
Contractor..C. A. Doss, 2028 E-15th, Oakland.
COST, \$500

DWELLING

(544) N WALLA VISTA 300 N Lake-shore Ave., Oakland. Two-story 8-room dwelling.

Owner.....R. S. Hewitt, Thomson Bldg., Oakland.
Architect...None.
Contractor..N. M. Greuner, Thomson Bldg., Oakland.
COST, \$5000

DWELLING

(545) N WALLA VISTA 250 W Lake-shore Ave., Oakland. Two-story 8-room dwelling.

Owner.....R. S. Hewitt, Thomson Bldg., Oakland.
Architect...None.
Contractor..N. M. Greuner, Thomson Bldg., Oakland.
COST, \$5000

BRICK GARAGE

(546) NO. 2265 BROADWAY, Oakland Alter brick garage.

Owner.....Wallace Everson, Prem.
Architect...None.
Contractor..Fred H. Field, Kentfield.
COST, \$3000

DWELLING

(547) W WALKER AVE 250 S Boule-vard Way, Oakland. Two-story eight-room dwelling.

Owner.....E. J. Lloyd, 1057 Walker Ave., Oakland.
Architect...John Carson, Bacon Bldg., Oakland.
Day's work. COST, \$3500

Building Contracts Awarded.

Berkeley.

No.	Owner	Contractor	Amt.
483	Johanson	Johanson	1000
484	Eriesson	Eriesson	1000

485	Condet	Condet	500
486	Charles	Charles	1500
498	Werner	Werner	1500
499	Thomson	Lewis	500
500	Ross	Ross	800
501	Mabey	Mabey	2500
517	Clayton	Hollenbeck	19000
518	Nordt	Nordt	1500
519	Butler	Butler	2000
520	Peet	Kemble	2000
527	Rundy	Fleischer	400
528	Enook	Stockholm	500
537	El Dorado	Lamburth	10500

DWELLING

(489) NW PARKER & MATTHEWS Berkeley. One-story 4-room dwlg.

Owner.....Gustaf Johanson, 1311 Rose, Berkeley.
Architect...None.
Day's work. COST, \$5000

DWELLING

(491) E CURTIS 750 S Gilman, Ber-keley. One-story 4-room dwlg.

Owner.....Carl Ericsson, 1200 Ma-sonic Ave., Berkeley.
Architect...None.
Day's work. COST, \$1000

ALTERATIONS

(495) S ASHLEY AVE 100 E College, Berkeley. Alterations.

Owner.....Ira M. Condet, 2722 Ashby Ave., Berkeley.
Architect...None.
Day's work. COST, \$500

DWELLING

(496) W CURTIS 24 N Bristol, Ber-keley. One-story 5-room dwelling.

Owner.....W. J. Charles, P. O. Box 291, San Francisco.
Architect...None.
Day's work. COST, \$1500

DWELLING

(498) S BANCROFT WAY 175 E San Pablo Ave., Berkeley. One-story 5-room dwelling.

Owner.....Chas. A. Werner, 2416 10th Berkeley.
Architect...None.
Day's work. COST, \$1500

ADDITION

(499) NO. 2539 COLLEGE AVE., Ber-keley. Addition.

Owner.....Dr. Herbert Thomson, 2539 College Ave., Berkeley.
Architect...None.
Contractor..L. S. Lewis, 2423 Woolsey, Berkeley. COST, \$500

ALTERATIONS

(500) NO. 133 PARKSIDE DRIVE, Berkeley. Alterations.

Owner.....Josephine Ross, Premises.
Architect...None.
Contractor..James F. Ross, Premises.
COST, \$800

DWELLING

(501) S NAPA AVE 265 E The Ala-meda, Berkeley. Two-story 6-room dwelling.

Owner.....J. T. Mabey, 1900 Sacra-mento, Berkeley.
Architect...None.
Day's work. COST, \$2500

FRAME APARTMENTS

(517) E CLAREMONT AVE 100 N Ashby Ave., Berkeley. Three-story 7-room frame apartments.

Owner.....Dr. N. A. Clayton, Palo Alto.
Architect...None.
Contractor..G. B. Hollenbeck, Thom-son Bldg., Oakland.
COST, \$19,000

DWELLING

(518) W SPAULDING AVE 393 N Dwight, Berkeley. One-story 5-room dwelling.

Owner.....Ann M. Nordt, 1325 Ban-croft, Berkeley.
Architect...None.
Contractor..H. H. Nordt, 1325 Ban-croft, Berkeley.
COST, \$1500

DWELLING

(519) E GRANT 40 S Hearst Ave., Berkeley. One-story 5-room dwlg.

Owner.....B. F. Butler and Geo. Ayl-worth, 333 49th, Oakland.
Architect...None.
Contractor..B. F. Butler, 333 49th, Okd
COST, \$2000

DWELLING

(520) E ELLSWORTH 150 N Parker, Berkeley. One-story 6-room dwlg.

Owner.....C. Peet, NE Parker and Ellsworth, Berkeley.
Architect...None.
Contractor..T. R. Kemble, 2020 Parker, Berkeley.
COST, \$2000

ALTERATIONS

(527) SW VINE & SHATTUCK AVE., Berkeley. Alterations.

Owner.....Rundy.
Architect...None.
Contractor..C. Fleischer, 2032 Ban-croft, Berkeley.
COST, \$400

GARAGE

(528) E HAWTHORNE 50 N Vine, Berkeley. Garage.

Owner.....F. W. Snook, 1439 Haw-thorne, Berkeley.
Architect...None.
Contractor..Stockholm & Allyn, 676 Monadnock Bldg., S. F.
COST, \$500

TANK

(537) SECOND & UNIVERSITY AVE. Berkeley. Steel tank.

Owner.....El Dorado Oil Wks, Prem.
Architect...None.
Contractor..C. E. Lamburth, Merchants Exchange Bldg., S. F.
COST, \$10,500

Alameda.

510	Hillen	Hillen	2000
511	Galvin	Rogers	2500
512	Speed	Wilson	2000

DWELLING

(510) NO. 1424 PAGE, Alameda. One-story 5-room dwelling.

Owner.....R. C. Hillen, 1529 Santa Clara Ave., Alameda.
Architect...None.
Day's work. COST, \$2000

DWELLING

(511) NO. 3260 BRIGGS AVE., Ala-meda. One and one-half-story 7-room dwelling.

Owner.....Daniel Galvin, 3264 Briggs Ave., Alameda.
Architect...None.
Contractor..Chas. E. J. Rogers, 3264 Briggs Ave., Alameda.
COST, \$2500

DWELLING

(512) NO. 2907 SAN JOSE AVE, Ala-meda. One-story 6-room dwelling.

Owner.....F. E. Speed, 2907 San Jose Ave., Alameda.

Architect...None.

Contractor...J. A. Wilson, 2839 Ellsworth, Berkeley.

COST, \$2000

COMPLETION NOTICES.**ALAMEDA COUNTY**

- Mar. 16, 1915—LOT 25 BLK "B" Map No. 2, San Pablo Park, Bkly. T F Eastman to J. G. Geary...Mar. 13, 1915
- Mar. 17, 1915—NE GRAND AVE AND Park View Terrace, being Lots 11 and 12 Blk 17, Map Highland Sbdvn Adams' Point Ppty. Okd. The Park Gate Apartments by Chas E Lange to C E Lange.....Oct. 1, 1914
- Mar. 18, 1915—NE HARBOR VIEW Ave, bet Patterson & Brown Aves being Lot 42 and 15 Lot 41 Blk 6, Key Route Heights, Okd. Carl Walstrom to whom it may concernMar. 13, 1915
- Mar. 19, 1915—SAN JUAN AV, Thousand Oaks, Bkly. Wm J Cooper to William Livingston & Son.....Mar. 16, 1915
- Mar. 22, 1915—LOT 7 BLK 3 Map Northbrae, Bkly. Louis O Hansson to whom it may concern.....Mar. 19, 1915
- Mar. 22, 1915—RESERVATION CENTRAL Pacific R R Co at West Oakland, Okd. S P Co to McDonald & Kahn.....Mar. 13, 1915
- Mar. 22, 1915—LOT 10 BLK 20 Map North Cragmont, Bkly. Troy J Brooks to Junk-Riddell Invst Co.March 19, 1915
- Mar. 22, 1915—LOT 13 BLK 6 Map Brookdale Terrace, Okd. Otto G Smith to whom it may concern.....Mar. 16, 1915
- Mar. 23, 1915—LOT 1 BLK 2 Sbdvn Adams Point Ppty, Okd. Franklin Riffle to Edwin C Graff.....Mar. 13, 1915
- Mar. 23, 1915—NE MARIN AND Peralta 58x90, Northbrae Tract, Oakland Tp. J S Killam to M P BraschMar. 22, 1915
- Mar. 24, 1915—LOT 8 BLK K Northbrae Terrace, Bkly. Mardele Robinson to F R Peake Co.....March 23, 1915
- Mar. 25, 1915—NW MAGEE AVE & Kansas, being Lot 26 Blk 3, Key Route Heights, Okd. A S Draa to whom it may concern.....Mar. 25, 1915
- Mar. 25, 1915—WEBSTER NOS. 612-614 on E Webster bet. 6th and 7th, Okd. Pauline Gruening by William Gruening to J H Bruecker.....March 18, 1915
- Mar. 26, 1915—LOT 1 BLK 18, Claremont Park, Bkly. E A Nickerson to McKibben & Taylor.....Mar. —, 1915
- Mar. 26, 1915—W 20 LOT 14 and E 20 Lot 15 Blk "M" Map No. 3, Sbdvn A ptn Oakland Tract, Okd. W S Montgomery to whom it may concern.....Mar. 23, 1915

LIENS FILED.**ALAMEDA COUNTY.**

- Mar. 22, 1915—NE FOREST AND Lemon E 40xN 100, Okd. Pacific Mfg Co vs Oakland Homes Corporation\$142.40
- Mar. 22, 1915—E 30 LOT 136 and W 20 Lot 137 Map Fruitvale Add'n Tract, Okd. Pacific Mfg Co vs Oakland Homes Corporation.....\$121.90
- Mar. 22, 1915—E 10 LOT 135 and W

- 30 Lot 136 Map Fruitvale Add'n Tract, Okd. Pacific Mfg Co vs Oakland Homes Corporation.....\$113.75
- Mar. 22, 1915—LOT 12 BLK 14 Map Town of Livermore, Livermore. Strable Mfg Co vs Court Livermore No. 77, Foresters of America and C H Rasmussen.....\$195.81
- Mar. 22, 1915—W 40 LOT 135 Map Fruitvale Add'n Tract, Okd. Pacific Mfg Co vs Oakland Homes Corporation\$123.80
- Mar. 22, 1915—W 40 LOT 184 Map Fruitvale Add'n Tract, Okd. Pacific Mfg Co vs Oakland Homes Corporation\$121.20
- Mar. 22, 1915—E 40 LOT 138 Map Fruitvale Add'n Tract, Okd. Pacific Mfg Co vs Oakland Homes Corporation\$215.40
- Mar. 22, 1915—E 30 LOT 137 and W 10 Lot 138 Map Fruitvale Add'n Tract, Okd. Pacific Mfg Co vs Oakland Homes Corporation.....\$103.40
- Mar. 24, 1915—LOT 138 Map Fruitvale Add'n Tract, Okd. Strable Mfg Co vs Oakland Homes Corporation\$60.50
- Mar. 24, 1915—N BARTLETT 40 E Deering E 40xN 125, Okd. Strable Mfg Co vs Oakland Home Corporation\$37.75
- Mar. 24, 1915—S BARTLETT 120 E Deering E 40xN 125, Okd. Strable Mfg Co vs Oakland Homes Corporation\$46.16
- Mar. 26, 1915—LOT 94 Map Nova Piedmont, Piedmont. B A Stewart vs Alfred Cords, Inc.....\$830.34

RELEASE OF LIENS**ALAMEDA COUNTY.**

- Mar. 24, 1915—N LE CONTE AVE 150 W Euclid Ave W 100xN 125, Bkly. A K Goodmundson to Alpha Tau Omega House Ass'n.....\$111
- Mar. 22, 1915—LOTS 13 AND 14 BLK 5, Auseon Moss Tract, Okd. W L Newby, Fletcher & Newby and P A Newby by W L Newby, Attorney-in-fact, to Jessie E and Perry H Auseon\$900
- Feb. 19, 1915—LOT 9 BLK "A" Amended Map, Moss Tract, Okd. Pacific Hardware & Steel Co to A and Caroline Boe and O Carlson.....\$64.40
- Mar. 17, 1915—W EIGHTH AVE, bet E-18th and E-19th, being No. 1835 8th Ave, Okd. Conrad Elec Co to R N Anderson....\$192.11

SAN JOSE AND THE SANTA CLARA VALLEY

STREET IMPROVEMENTS—Cost not stated. San Jose, Santa Clara Co., Cal. Engineer, City Engineer, San Jose. Owners, City of San Jose. Plans and specifications for a considerable amount of paving work have been adopted by the City Council, and the work will be ordered as soon as possible. Plans for the following street improvements have been prepared by the City Engineer and adopted by the Council: Empire from First to Fifth, Jackson from First to Second, Vine from Santa Clara to San Fernando, Post from Orchard to Vine, Eighth from Santa Clara to San Salvadore, and Balbach from Market to Orchard.

HIGHWAY WORK—Cost not stated. Redwood City, San Mateo Co., Cal. Engineer, County Surveyor Neuman,

Redwood City. Owners, San Mateo County. At the last regular meeting of the Board of Supervisors, County Surveyor Neuman presented the following plans and specifications for road and bridge construction: For a reinforced concrete retaining wall along Schmoll street at Belmont. For a retaining wall (concrete), box culvert and adjacent roadway on the San Mateo to Halfmoon Bay road, Route 4, Division 1, Section 2, of San Mateo County Highways. For the removal of rock points on a portion of the San Mateo to Halfmoon Bay road, Route 4, Division 1, Section 2, of San Mateo County Highways. For constructing a highway from second crossing of San Gregorio Creek to San Gregorio, on Redwood City to San Gregorio road, Route 6, Division 3, Sections 2 and 4. The plans and specifications were adopted and the Clerk directed to publish a notice calling for bids for the work.

MONUMENT—Concrete, bronze and stone. Cost not stated. San Jose, Santa Clara Co., Cal. Architect, Paul P. Cret, Philadelphia, Pa. Owner, Neglee Memorial Association. Architect Paul P. Cret of Philadelphia is being represented in San Francisco by Architect August G. Headman, New Call Bldg., at whose office within a week can be secured plans and specifications for the Neglee Memorial Monument, to be erected in San Jose. Concrete, marble and stone will be used in the construction. The sculpture is by Dr. McKenzie of Philadelphia.

BRIDGE—Reinforced concrete, \$35,000. Watsonville, Santa Cruz Co., Cal. Engineers, Leonard & Day, Rialto Bldg., S. F. Owners, Monterey County and City of Watsonville. Plans for the reinforced concrete bridge to be erected by the County of Monterey and the City of Watsonville as prepared by Engineers, Leonard & Day have been accepted by the joint bridge board. The work will be of reinforced concrete and has been estimated to cost \$35,000. Bids will be called for at an early date. Further mention will be made of this work.

RESIDENCE—2 story and base, frame, \$2,500. San Jose, Santa Clara Co., Cal. Architect, none. Owner, J. L. Hoskins, 1149 Park avenue, San Jose. The dwelling will contain five rooms and bath. Interior will be finished in pine and redwood. Hardwood floors will be used in the dining room and living room. There will be an open fire place and tile mantel. Bath room will be finished in imitation tile. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor. Materials are now being purchased.

RESIDENCE—2 story and base, frame, \$2,500. San Jose, Santa Clara Co., Cal. Architect, none. Owner, J. A. Weldon, 639 Willis avenue, San Jose. The dwelling has been designed for a six-room house and will be erected at the corner of 15th and Washington streets. Interior finish will be of pine and redwood. Hardwood floors will be used in the living room and dining room. There will be a large open fire place in the living room. Mantel will be of tile or brick. An automatic water heater will be installed. Bath room will be finished

Wybro

Reg. U. S. Pat. Office
Veneered Panels of
unexcelled quality—
Sold only at

White Brothers

5th and Brannan Streets

San Francisco

Try Wybro Panels on that PARTICULAR Job.

Don't experiment with panels of doubtful qualities on that "particular" job of yours—use the best made panels—the WYBRO kind, and you will avoid future regrets.

WYBRO panels are made for particular people. They satisfy its users because they are always smooth and even, blisterless and crackless, look good and ARE GOOD.

in imitation tile. Exterior of the house will be covered with rustic and cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor.

Contracts Awarded.

RESIDENCE — 2 story, and base, frame, \$5,000. Easton, San Mateo Co., Cal. Architect, Fay Spangler, Monadnock Bldg., S. F. Owner's name not given. Contractors, Reugg Bros., Pacific Bldg., S. F. Contract price, \$5,500.

BUILDING CONTRACTS.

SANTA CLARA COUNTY.

FRAME DWELLING

NW VINE AND SAN FERNANDO STS., San Jose. All work for frame dwlg. Owner.....J. Millet and L. Chabre, 87 N-San Pedro, San Jose.

Architect...L. T. Lenzen, 110 S-2nd St., San Jose.

Contractor...P. E. Petersen.

Filed Mar. 11, '15. Dated Mar. 10, '15.

Concrete work done.....\$785

When enclosed 785

When completed 785

Usual 35 days..... 788

TOTAL COST, \$3143

Bond, \$1572. Sureties, G. Dobson and N. O. Berg. Limit, 60 days. Forfeit, none. Plans and specifications filed.

FRAME CHURCH

NE PALM AND WILLOW STS., San Jose. All work for frame church.

Owner.....Roman Catholic Archbishop of S. F., 1400 Franklin, S. F.

Architect...L. T. Lenzen, 110 S-2nd St., San Jose.

Contractor...G. Lindblom, 519 W-San Carlos, San Jose.

Filed Mar. 17, '15. Dated Feb. 19, '15.

Frame up\$987

When enclosed 898

When completed 593

Usual 35 days..... 898

TOTAL COST, \$3591

Bond, \$1800. Sureties, W. M. Stalker and S. D. Williams. Limit, 90 days. Forfeit, none. Plans and specifications filed.

COMPLETION NOTICES.

SANTA CLARA COUNTY.

RECORDED

Mar. 12, 1915—N STEVENS CREEK Road, between Cleveland and Topeka Aves. The Roman Catholic Archbishop of S F to P E PetersonMar. 3, 1915

Mar. 16, 1915—KENNEDY ROAD 2½ miles from Los Gatos (55 acre farm.) L Lauret to whom it may concernMar. 10, 1915

ACCEPTED

BUILDING CONTRACTS

SAN MATEO COUNTY.

FRAME BUNGALOW

LOT 8 BLK NO. 8 Sub 2 of Burlingame Park, Burlingame. All work for one-story frame bungalow.

Owner.....Robert F. and Addie E. Colyer, 1422 12th, S. F.

Architect...None.

E. H. Williams

Chalmers Munday

Munday & Williams

Attorneys-at-Law

Special Attention Given to Building
Law and Bankruptcy Cases

Telephone Sutter 4622

615 Phelan Building, San Francisco

Contractor..Stevenson & Gowan, 136 Girard, San Francisco.

Filed Mar. 20, '15. Dated Mar. 19, '15.

Frame up\$700

Brown mortar on..... 700

When completed 700

Usual 35 days..... 700

TOTAL COST, \$2800

Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications filed.

LIENS FILED.

SAN MATEO COUNTY.

RECORDED

Mar. 24, 1915—LOT 7 BLK 9 Crocker Estate Tract Sub No. 1. United Lighting & Fixture Co, \$25; J W Schonten & Co, \$388.11; F G Norman & Sons, \$24.98 vs B B Wickerzsham and Felix Rancatore.....

AMOUNT

COMPLETION NOTICES

SAN MATEO COUNTY.

RECORDED

Mar. 20, 1915—SOUTH SAN FRANCISCO. W P Fuller Co to Van Emon Elevator Co.....Mar. 18, 1915

Mar. 20, 1915—"CAROLANS," Hillsboro. Harriett Pullman Carolan to Clinton Fireproofing Co, Mar 17; Wm F. Wilson Co.....Mar. 17, 1915

ACCEPTED

MARIN, CONTRA COSTA AND SONOMA COUNTIES.

STREET WORK AND REPAIRS —

Cost not stated. Sausalito, Marin Co., Cal. Engineer, Town Engineer Hohl, Sausalito. Owners, Town of Sausalito.

Williamson's Continuous Clothes Line Outfit

Clothes Line Problem Solved At Last

DOUBLE your line space, use all the line. No empty top line, keeps the clothes free from the soiled line, making it sanitary. Take clothes off any part of line without removing the wet clothes.

CONSTRUCTION: The pulleys are made of cast iron galvanized; so constructed as to allow the patent clothes pine to pass through carrying the clothes around the pulleys, thereby using both lines.

BY using three pulleys, the lines are spread apart as shown in the picture and allows you to put clothes on or take them off the line without hanging out of the window side-ways. The clothes pin is made of heavy galvanized wire formed in such a manner as to allow it to be fastened to the clothes line very easily; nothing complicated to get out of order. Holds the clothes free from the line so the lines need not be covered with cloth-strips in order to keep the clothes from being soiled from the line. The strongest wind cannot blow the clothes out of the pins as they are held in a spring slot. When the wind blows it pulls the clothes deeper into the slot holding them tighter.

NO SPRINGS TO PRESS OR SQUEEZE

to get the clothes in or out. Just slip clothes in slot and pull down. WILL hold the daintiest fabrics or the heaviest blanket. 1340 Mission St. Phone Mkt. 4008.

THIS OUTFIT CONSISTS OF 3 DOZEN

Sanitary, Stronghold, Clothes Pins, 3 Continuous Clothes Line Pulleys and 1 Pair Line Splacers.

Price, \$2.00 per Set.

Rosa avenue, Horth, Pine and Johnson streets are in the district to be At a special meeting of the Town Trustees the grading of West street from Main street to Richardson, Valley from Fourth to West, building of a retaining wall at the intersection of West and Valley streets, building of a wooden bridge across the gully on West street and the laying of 40 feet of 30-inch sewer pipe in the bed of the gully, was ordered by the Board. Town Engineer Hohl will prepare plans for the work, which will be submitted at a later meeting of the Board when the work will be ordered advertised.

STREET WORK—Cost not stated. Sausalito, Marin Co., Cal. Engineer, Town Engineer Hohl, Sausalito. Owners, Town of Sausalito. After viewing the streets in the residential district, the Town Trustees have ordered the Town Engineer to prepare the necessary grades, profiles and estimates of grading, paving with macadam, gutters and curbs. Central avenue, San Carlos, Harrison, Spencer, Lower Santa paved.

SCHOOL—2 story and base, brick and concrete, \$85,000. Petaluma, Sonoma Co., Cal. Architect, Brainerd Jones, Petaluma. Owners, City of Petaluma. Contractors, Ward & Goodwin, S. F., general construction. Contract price, \$68,487. Siebert Co., S. F., presented the lowest figure for the heating and ventilating at \$6,097 and \$6,000, but as yet no contract has been awarded. A complete list of these bids will be found under the heading of Marin, Contra Costa and Sonoma Counties in this issue.

Contracts Awarded.

HOSPITAL LIGHTING FIXTURES—Cost not stated. Martinez, Contra Costa Co., Cal. Architect, W. H. Weeks, 75 Post street, S. F. Owners, Contra Costa County. Contractor, J. E. Rodgers, Jr. Contract price, \$619.75.

Award Contract On Petaluma Job.

Ward & Goodwin of San Francisco Will Build School Designed By Architect Brainerd Jones.

(By Special Wire.)

PETALUMA, Sonoma Co., Cal.—Bids were opened at the Monday night meeting of the Board of Education for the construction of the new two-story and basement brick and steel school building designed by Architect Brainerd Jones of Petaluma. Ward & Goodwin of San Francisco submitted the lowest figure for the general construction at \$68,487 and were officially awarded the contract. The general contract included the entire work except the heating and ventilating, which is under a separate contract, bids for which were opened and taken under advisement. Following is a complete list of the bids received:

Petaluma School Building.

Schnebly, Hostrawser & Pedgrift, Oakland\$74,720
Henry Matthies, S. F. 72,987
J. O. Kuykendall, S. F. 74,677
Fred Cullen, Petaluma 78,439

H. P. Vogensen, Petaluma 72,238
Masow & Morrison, S. F. 77,397
J. J. Leonard, S. F. 77,822
Constr. & Eng. Co., S. F. 76,500
M. Fisher, S. F. 74,600
William A. Newsom, S. F. 72,990
Thurston & Co., S. F. 79,992
Caldwell & Son, S. F. 75,198
R. W. Moller, S. F. 73,749
Commery, Peterson Co., S. F. 86,865
Robert Trost, S. F. 73,067
L. G. Bergren & Son, S. F. 73,872
Ward & Goodwin, S. F. 68,487
Monson Bros., S. F. 77,940
Boyd, Kerr & McLean, S. F. 71,512

BUILDING CONTRACTS

CONTRA COSTA COUNTY.

WHARF

RICHMOND HARBOR, City of Richmond. All acts, matters and things herein agreed to be furnished, happened or done by, or on part of construction of Wharf No. 1, Richmond Harbor.

Owner.....City of Richmond.

Engineer...P. A. Haviland, Alaska-Commercial Bldg., S. F.

Contractor...Healy Tibbitts Constr. Co., 9 Main, San Francisco.

Filed Mar. 18, '15. Dated Mar. 15, '15.

Cost of wharf too large to be paid out of ordinary annual income and revenue of said City of Richmond

TOTAL COST, \$212,344 to be paid contractor

Bond, \$54,000. Surety, Hartford Accident & Indemnity Co. Limit, Forfeit, none. Plans and specifications filed.

BUNGALOW

LOTS 24 AND 25 BLK "B" Levison Trct, City of Richmond. Concrete, brick work, lumber, glass, doors and locks, painting, plumbing, plastering, hardware and labor for 5-room shingled bungalow.

Owner.....Raoral Richard.

Architect...None.

Contractor...Geo. C. Nall, 930 41st, Okd.

Filed Mar. 22, '15. Dated Mar. 19, '15.

Frame up\$450

Plastering done 450

Job finished 450

Usual 35 days..... 450

TOTAL COST, \$1800

Bond, none. Limit, 75 days beginning April 1, 1915. Forfeit, none. Plans and specifications filed.

OIL STORAGE TANKS

IN OR NEAR TOWN OF MARTINEZ, ppty formerly known as Cutler or Frazer Tract. All work for furnishing and erecting 30 oil storage tanks complete.

Owner.....Shell Co. of California, 343 Sansome, San Francisco.

Architect...None.

Contractor...Lacy Mfg. Co.

Filed Mar. 3, '15. Dated Feb. 25, '15.

50% of said price of each group of tanks upon arrival at spur track on property.....

25% on completion & acceptance

Usual 35 days..... 25%

TOTAL COST, \$78,355.75

Bond, \$39,175. Surety, National Surety Co. Limit, forfeit, none. Plans and specifications filed.

CONTRA COSTA COUNTY.

WHARVES

WHARVES AT Port Costa and Avon. All work to construct for company three nine pile dolphins near company's wharf at Avon, and to drive ninety fifty-five foot fender piles at company's wharf at Port Costa and to pull all fender piles now at said Port Costa wharf, and replace the checks adjoining the fender piles which are replaced at said Port Costa, and to furnish all labor, piles and materials including tools, implements and appliances required for said work both at Avon and Port Costa.

Owner.....Associated Oil Co., Sharon Bldg., San Francisco.

Architect...None.

Contractor...Healy-Tibbitts Constr. Co. 9 Main, San Francisco.

Filed Mar. 25, '15. Dated Mar. 10, '15.

75% of price agreed upon to be paid ten days after completion and acceptance of work both at Avon and Port Costa.....

25% 30 days after completion and acceptance

TOTAL COST, \$1308

Bond, \$654. Surety, Hartford Accident & Indemnity Co. Limit, 30 working days. Forfeit, none. Plans and specifications filed.

DWELLING

LOTS 1 AND 2 BLK 8 (as in Map) Map of Foskett Add'n to Town of Concord in Concord. All work for one-story house.

Owner.....C. J. Foskett, Concord, Cal.

Architect...Chester H. Miller and C. J. Struby, Associate, Dalmiel Bldg., Oakland.

Contractor...L. V. Perry, Concord, Cal.

Filed Mar. 22, '15. Dated Mar. 22, '15.

Frame in place.....\$805

Completion of plastering..... 805

Completed and accepted..... 805

Usual 35 days..... 805

TOTAL COST, \$3220

Bond, limit, forfeit, none. Plans and specifications filed

LIENS FILED

CONTRA COSTA COUNTY

RECORDED AMOUNT
Mar. 20, 1915—CERTAIN LOT situated on S 31st street known as No. 633 S-31st street, Richmond. Stege Lumber & Hardware Co, cpn vs California Home Bldg Co....\$183.08
Mar. 18, 1915—PTN LOTS 3 AND 4 Bik 237 Additional Survey Town of Martinez. L Anderson Co, cpn vs Correll & Gray.....\$1977.13

RELEASE OF LIENS.

CONTRA COSTA COUNTY

RECORDED AMOUNT
Mar. 15, 1915—LOTS 10 AND 11 BLK 48, Pittsburg. Hutchinson Co to A H Jongeneel.....\$337.53
Mar. 24, 1915—LOT 7 BLK 19 (as entitled in Map of City of Pittsburg.) Hutchinson Co to H H Haynes and A D Amien.....\$20.73

FRESNO, MODESTO, STANISLAUS AND CENTRAL CALIFORNIA

COUNTY HIGHWAY WORK—Cost not stated. Bakersfield, Kern Co., Cal. Engineer, County Highway Commission, Bakersfield. Owners, Kern County. On recommendation of the Kern County Highway Commission, Contracts for the construction of 18½ miles of concrete paved roads will be let at the April Session of the Board of Supervisors. These contracts will include sections of the Wasco-Lost Hills and Bakersfield-McKittrick roads. Plans and specifications for the work were approved by the Board at the last meeting and advertisements for bids were authorized. The section of the Wasco-Lost Hills road to be improved at this time includes the stretch from Wasco to the Semi-Tropic School, a distance of 10½ miles. Bids on this contract will be received until 11 o'clock on the morning of April 12th. The other contract calls for the paving and attendant work on that part of the Bakersfield-McKittrick road which lies between Rio Bravo and Growerbank, a distance of 8½ miles. It is known as Division 5, Section 2, of the County Highway System, and the bids, which will be received until 10 o'clock on the morning of April 13th, will include estimates on the construction of pile bridges.

FURNISHING CEMENT—Cost not stated. Bakersfield, Kern Co., Cal. Engineer, County Surveyor, Bakersfield. Owners, Kern County. Bids are now being called for on furnishing the county with approximately 90,000 barrels of cement for county highway construction. Bids will be opened on April 12th at noon. Full particulars can be secured by addressing the County Clerk at Bakersfield.

IRRIGATION WORK, FILLS, ETC.—Cost not stated. Modesto, Stanislaus Co., Cal. Engineer, Herrmann, Modesto. Owners, Modesto Irrigation District. Construction of the Riarden and Salter fills, requiring approximately 170,000 cubic yards of earth and 2,500 cubic yards of reinforced concrete, has been authorized by the board of directors of the Modesto Irrigation District, and bids will be advertised at once in accordance with the plans and specifications prepared by Chief Engineer Herrmann. This will be the initial work on the main canal started under the \$610,000 bond issue now being disposed of. With the exception of the Curtis and Sprowl drainage ditches, it is also the first work of any kind that might come under these issues. Chief Engineer Herrmann stated recently that owing to the vastness of the task, the two fills will not be completed before February 1916, in time for next season's irrigating. Secretary Abbott was instructed by the board to advertise for bids at once with the understanding they will be opened at a meeting April 10th. Herrmann was also instructed to install a concrete culvert at Indian Hill gulch on the main canal, in accordance with his plans and specifications, prepared for a hydraulic fill.

SEWER WORK—Cost not stated. Turlock, Stanislaus Co., Cal. Engineer, City Engineer, Turlock. Owners, City of Turlock. Plans have been completed and approved for the construction of a six inch sewer along West

Main street for a considerable district. Bids are now being taken for the work and will be opened on April 6th. Plans and complete information can be secured by addressing either the Engineer or City Clerk.

WARD AND PHYSICIAN'S RESIDENCE—1 and 2 story, frame. Cost not stated. Fresno, Fresno Co., Cal. Architects, Glass & Butner, Rowell Bldg., Fresno. Owners, Fresno County. Plans for a large residence for the physician and for a tuberculosis ward to be erected at the County Infirmary have been completed. Bids are now being taken and will be opened on April 14th. Plans and specification can be secured from the architects' office.

RESIDENCE—2 story and base, frame, \$5,500. Fresno, Fresno Co., Cal. Architect, Frederick L. Swartz, Rowell Bldg., Fresno. Owner, J. B. Goodman. The dwelling has been designed for a seven-room house and will be erected on T street near Tulare. Interior will be finished in pine and redwood. Hardwood floors will be used in the living and dining rooms. There will be furnace heat and open fire places. Mantels will be of tile and brick. Tile wainscot will be used in the bath room. An automatic water heater will be installed. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are now being prepared.

SCHOOL—1 story and base, frame and plaster, \$28,000. Orisi, Tulare Co., Cal. Architect, Ernest Kump, Fresno. Owners, Orisi School District. The building will be 240 feet long with two wings. There will be eight class rooms and an assembly hall. Interior will be finished in pine and redwood with maple floors in the class rooms. There will be a central heating system and modern school plumbing. Program clocks are also specified. Exterior of the building will be covered with cement plaster on metal lath. Plans are now being prepared.

Contracts Awarded.

HIGHWAY CONSTRUCTION—Cost not stated. Bakersfield, Kern Co., Cal. Engineer, County Surveyor, Bakersfield. Owners, Kern County. Contractors, Robert Sherer & Co., Bakersfield. Bakersfield to Mojave road, \$34,925.30. Thompson Bros., Bakersfield, Maricopa to Oal River road, \$29,657.74.

BUILDING CONTRACTS

FRESNO COUNTY.

ALTERATIONS

LOTS 14, 15, 16 BLK 62, Fresno. Alterations.

Owner.....S. B. Goodman.

Architect...None.

Contractor...J. W. Miner.

COST, \$1000

REPAIRS

NO. 455 NIELSEN AVE., Fresno. Repairs.

Owner.....H. V. Armitage, Premises.

Architect...None.

Contractor...E. J. Stone, 2007 Mariposa St., Fresno.

COST, \$1000

DWELLING

LOTS 16 TO 22 BLK 30 Belmont Addition, Fresno. Dwelling.

Owner.....Manuel Smith, 564 Fresno Ave., Fresno.

Architect...None.

Day's work. COST, \$1000

COMPLETION NOTICES.

FRESNO COUNTY.

RECORDED ACCEPTED

Mar. 22, 1915—LOTS 17 AND 18 Ptn

Lot 19 Blk 223, Fresno. German Free Evangelical Lutheran Cross Church to H Gede and G Adams..

.....Feb. 15, 1915

Mar. 22, 1915—LOT 105 N 17 feet Lot

106, Del Mar Tract, Fresno. J E

Saylor to whom it may concern...

.....March 22, 1915

SACRAMENTO, STOCKTON AND NORTHERN CALIFORNIA.

HIGHWAY CONSTRUCTION—Cost not stated. California. Engineer, State Highway Commission, Forum Bldg., Sacramento. Owners, State of California. Plans have been completed for constructing the following State Highways: Yuba, 3 miles Portland cement concrete, Yolo, 5 miles Portland cement concrete, Yolo, 3½ miles Portland cement concrete, Tulare 5 miles Portland cement concrete, Tulare, 8½ miles Portland cement concrete, and Orange, 4 miles graded. Bids are now being taken and will be opened on April 5th. Plans and specifications can be secured from the State Highway Commission.

FLATS—2 story and base, frame, \$8,000. Stockton, San Joaquin Co., Cal. Architect, Ralph P. Morrell, Odd Fellows' Bldg., Stockton. Owner, J. Greenberg. The building will be erected on East Fremont street, and has been designed to contain two modern flats of six rooms each. Interiors will be finished in pine throughout. Hardwood floors will be used in the living rooms, dinings rooms and reception halls. There will be furnace heat and open fire places. Mantels will be of tile or brick. Bath rooms will have tile wainscot. Automatic water heaters will be installed. Two wall beds are specified. Exterior of the building will be covered with rustic and shingles. Plans are now being prepared.

COUNTRY CLUB—1½ story and base, frame, \$10,000. Stockton, San Joaquin Co., Cal. Architect, C. B. Brown, Masonic Temple, Stockton. Owners, Stockton Country Club. The building will be erected on the bank of the San Joaquin River just outside the city limits, and has been designed similar to a large residence. Interior finish will be of pine with hardwood floors in the principal rooms. There will be large open fire places and tile or brick mantels. Exterior of the building will be covered with rustic and shingles. Plans are being prepared.

LIBRARY—1 story and base, reinforced concrete, \$10,000. Willits, Mendocino Co., Cal. Architect, Tobias Bearwald, Merchants' National Bank Bldg., S. F. Owners, City of Willits. The building has been designed in the classic style, and will contain one large reading room, stack rooms and office for the librarian. Interior will be finished in pine and redwood. A maple floor will be used. There will

be furnace heat. Metal book stacks are specified. Exterior of the building will be faced with cement plaster. Plans are complete and figures will be called for by the end of this week.

WATER PIPE AND EXTENSIONS—Cost not stated. Sacramento, Cal. Engineer, City Engineer, Sacramento. Owners, City of Sacramento. Plans have been completed and figures are now being taken for extensions to the city's water system. Bids will be opened on April 20th. Plans and specifications can be secured from the City Engineer. Some of the important elements of the work are: 126,000 cubic yards of excavation, 126,000 cubic yards of backfill, 417,920 linear feet of cast iron pipe, 4 inches to 16 inches in size; 39,990 linear feet of riveted steel pipe, 20, 24, 30 and 36 inches in size; 758 hydrants, 1,472 valves, 4 inches to 30 inches, 220 tons cast iron special fittings, 22,84 square yards of macadam, asphalt, asphalt macadam and basalt blocks pavement to be removed and replaced.

RESIDENCE—2 story and base, frame, \$3,500. Woodbridge, San Joaquin Co., Cal. Architect, Joseph Losekann, San Joaquin Bldg., Stockton. Owner, J. S. Gerard. The dwelling will be erected near Woodbridge and has been designed for a seven-room house with bath and sleeping porch. Interior will be finished in pine and redwood. Hardwood floors will be used in the principal rooms. There will be furnace heat and open fire places. Mantels will be of tile and brick. Bath room will have imitation tile floor and wainscot. An automatic water heater will be installed. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are complete and figures are being taken.

Contracts Awarded.

SCHOOL—2 story and base, reinforced concrete, \$40,000. Auburn, Placer Co., Cal. Architect, W. H. Weeks, 75 Post street, S. F. Owners, City of Auburn. Contractor, George S. Hayes, Sacramento, general construction, \$35,808; Scott Co., S. F., heating and ventilating, \$3,700; Bell Electric Co., Auburn, electric work and fixtures, and Hughson & Merton, S. F., vacuum cleaning, \$442.

BUILDING CONTRACTS

SACRAMENTO COUNTY.

BRICK REPAIR SHOP

NO. 1415 L ST., on W ½ of N ½ Lot 6 and E ½ of N ½ Lot 7, K, L, 14th and 15th Sts., Sacramento. One-story brick automobile repair and paint shop in rear.

Owner.....Mrs. Minnie Dean. Hotel Sutter, Sacramento.

Architect...None.

Contractor...Charles J. Guth, 1516 17th St., Sacramento.

COST, \$2400

REMODEL

NO. 722 K ST., Sacramento. Remodel front of first story of brick building. Owner.....E. W. Myers Co., Premises Architect...None.

Contractor...Siller Bros., 1614 13th St., Sacramento.

COST, \$1570

Filed Mar. 20, '15. Dated Mar. 20, '15.

ALTERATIONS

NO. 2514 TWENTY-EIGHTH ST., on Lot 5, Kathleen Tct., Sacramento.

Alter five-room residence.

Owner.....Willard Warner, 1116 23d St., Sacramento.

Architect...None.

Contractor...Rich & Warner, 1116 23d St., Sacramento.

COST, \$1000

REMODEL FRONT ETC.

NO. 2402 J ST., on W ½ of N ½ of Lot 1, J, K, 24th and 25th Sts., Sacramento. Remodel front porch and steps and repair roof of residence.

Owner.....H. C. Strausser.

Architect...None.

Contractor...C. Stevenson, 1012 S St., Sacramento.

COST, \$300

COMPLETION NOTICES.

SACRAMENTO COUNTY.

RECORDED

Mar. 23, 1915—N ½ OF W ½ Lot 1, X Y, 27th and 28; also known as Lot 5001 of Los Palmas Tract, Sacramento. J F Tregellas to G E Harvie

ACCEPTED

Mar. 19, 1915

COMPLETION NOTICES.

SAN JOAQUIN COUNTY.

RECORDED

Mar. 20, 1915—NW MAIN & SUTTER, Stockton. Commercial & Savings Bank to A P Brady, Mar. 15, 1915; Randall Elevator Door Control Co, Mar. 15, 1915; McGilvray Stone Co

ACCEPTED

March 15, 1915

LOS ANGELES AND SOUTHERN CALIFORNIA.

SANITARY SEWER—Cost not stated. Santa Barbara, Santa Barbara Co., Cal. Engineer, City Engineer, Santa Barbara. Owners, City of Santa Barbara. A resolution of intention for the construction of a sanitary sewer in Alisos street between Gutierrez and Montecito streets has been approved and passed to print by the City Council. Further information may be had from the City Engineer or A. C. Holmberg, Clerk of the Council.

WAREHOUSE—4 story and base. Class A construction. Cost not stated. Los Angeles, Cal. Architect, A. C. Martin, Higgins Bldg., L. A. Owner, August Wolfarth. The building will be erected on West Pico street and will have a frontage of 50 feet and a depth of 130 feet. Construction will be of reinforced concrete throughout. Interior will be finished in pine. Hollow tile interior partitions and metal window sash and frames are specified. There will be modern plumbing and electric work and a freight elevator. Exterior of the building will be faced with cement plaster. Plans are now being prepared.

HOTEL AND STORES—2 story and base, steel and brick. Cost not stated. Calexico, Imperial Co., Cal. Architects, A. W. Rea & C. E. Garstang, Black Bldg., L. A. Owner, F. C. Paulin. The building will be erected on a corner lot, covering an area of 60 by 130 feet. There will be five stores on the first floor and 31 rooms and several baths on the upper floor. Interior trim will be of pine throughout. There will be a hot water system. Patent store fronts are specified. Exterior of the building will be faced with enameled brick. Plans are now being prepared.

SUPERINTENDENT'S RESIDENCE

—2 story and base, frame. Cost not stated. Patton, San Bernardino Co., Cal. Architect, State Architect George B. McDougall, Sacramento. Owners, State of California. Revised plans for this work have been completed and new figures are now being called. Bids will be opened on April 27th. Interior finish will be of pine with some hardwood floors. Bath rooms will be finished in tile. Mantels will be of tile or brick. Exterior of the building will be covered with cement plaster on metal lath. Plans can be secured from the office of the State Architect. An official proposal appears in another column of this issue.

RESIDENCE—2 story and base, hollow tile. Cost not stated. La Canada, Los Angeles Co., Cal. Architect's name not given. Owner, Malcolm McNaughton, Investment Bldg., L. A. The dwelling has been designed for a large country home, and will contain in the neighborhood of fourteen rooms, three baths and sleeping porches. Interior finish will be of hardwood and white enamel. Hardwood floors will be used throughout. There will be a central heating system, hot water circulating system and vacuum cleaning. Open fire places and tile and brick mantels will be used. Bath rooms will be finished in tile. Exterior of the building will be covered with cement plaster. Plans are complete and in the hands of the owner who will do the work by Day Labor.

School—2 story and base, hollow tile or brick, \$45,000. Los Angeles, Cal. Architect, O. P. Dennis and H. H. Hewitt, Fay Bldg., L. A. Owners, Marian School District. The building will cover an area of 190 by 62 feet and has been designed in the classic style. There will be eight classrooms, an auditorium and library on the first floor. Upper floor will contain two class rooms, manual training and domestic science departments and office. Interior will be finished in pine with maple floors. There will be a central heating system, program clocks and vacuum cleaning. Exterior of the building will be faced with cement plaster. Plans are being prepared.

SCHOOL—2 story and base, brick, \$20,000. Los Angeles, Cal. Architects, Montgomery & Montgomery, Trust and Savings Bldg., L. A. Owners, City of Los Angeles. The building will be erected on Buchanan street, covering an area of 120 by 50 feet. There will be five class rooms, assembly hall and departments of domestic science and manual training. Interior will be finished in pine. Maple floors will be used in the class rooms. Plans provide for a central heating system, modern school plumbing and a program clock system. Exterior will be faced with cement plaster. Plans are now being prepared.

SCHOOL—1 story and base, hollow tile, \$10,000. Huntington Beach, Orange Co., Cal. Architect, John C. Smith, H. W. Hellman Bldg., L. A. Owners, City of Huntington Beach. The building will contain ten class rooms and an auditorium on the main floor. Basement will be arranged for the domestic science and manual training departments. Interior will be finished in pine with maple floors. There will be steam heat, vacuum cleaning and program clocks. Exterior of the building will be faced with

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pressed brick or cement plaster. Plans
are now being prepared.

SCHOOL—2 story and base, brick.
Cost not stated. Edendale, School Dis-
trict, Los Angeles Co., Cal. Architect,
C. F. Skilling, Garland Bldg., L. A.
Owners, Edendale School District. The
building will contain nine class rooms,
an auditorium and departments of do-
mestic science and manual training.
Interior finish will be of pine through-
out. Maple floors will be used in the
class rooms. There will be a central
heating system, modern school plumb-
ing and vacuum cleaning. Exterior of
the building will be faced with pressed
brick. Plans are now being prepared.

SCHOOL—2 story and base, brick.
Cost not stated. San Pedro, Los An-
geles Co., Cal. Architect, Joseph Bell
De Remer, Title Insurance Bldg., L.
A. Owners, City of San Pedro. The
building will cover an area of 247 by
260 feet, and has been designed to
contain sixteen class rooms, an audi-
torium with a seating capacity of 550
people, departments for domestic sci-
ence and manual training, kindergar-
ten and office. Interior will be finished
in pine. There will be steam heat,

vacuum cleaning system, modern
school plumbing and program clocks.
Exterior will be faced with ruffled
brick trimmed with artificial stone.
Plans are being prepared.

Contracts Awarded.

ORNAMENTAL LIGHTING SYSTEM
—\$15,938. Pomona, Los Angeles Co.,
Cal. Engineer, City Engineer, Pomo-
na. Owners, City of Pomona. Con-
tractors, Keystone Iron Works, Pomo-
na. Contract price, \$15,938.

COUNTY HIGHWAY—\$32,695. Riv-
erside, Riverside Co., Cal. Engineer,
County Surveyor, Riverside. Owners,
Riverside County. Contractor, James
Montgomery Co., Alhambra. Contract
price, \$32,695.97. Bids were also
opened for the Elsinore to Murrieta
road, but were referred to the County
Highway Commission.

PORTLAND AND OREGON.

APARTMENT HOUSE—3 story and
base, brick, \$25,000. Astoria, Ore. Ar-
chitects, McNaughton & Raymond,
Title & Trust Bldg., Portland. Own-
ers, F. R. Dunbar and T. R. Davies.
The building will cover an area of 50
by 100 feet and has been arranged to
contain a total of twenty-five apart-
ments of two and three rooms. There
will be wall beds and private bath
rooms. Interior will be finished in
pine throughout. Plans provide for
steam heat, a vacuum cleaning system
and hot water supply. Bath rooms
will be finished in tile. Exterior of
the building will be faced with pressed
brick. Plans are complete and separ-
ate figures are being taken for the
carpentry work, brick work, plumb-
ing, heating and electric work.

APARTMENT HOUSE—4 story and
base, brick and steel, \$40,000. Port-
land, Ore. Architects, Jacobberger &
Smith, Board of Trade Bldg., Port-
land. Owner, E. A. McGrath. The
building will be erected at the corner
of Park and Taylor streets, and has
been designed to contain a number of
two, three and four room suites. Plans
provide for steam heat, elevator serv-
ice, a hot water supply and vacuum
cleaning. All suites will have wall
beds and private bath rooms. Inter-
ior will be finished in pine and red-
wood. Some oak floors will be used.
Bath rooms will be finished in tile.
Exterior of the building will be faced
with pressed brick. Plans are com-
plete and figures are now being taken.

COOPERAGE PLANT—Frame and
reinforced concrete. Cost not stated.
St. Johns, Ore. Architect, L. R. Bailey,
Abington Bldg., Portland. Owners,
Western Cooperage Co. Plans and
specifications have been completed for
the Western Cooperage Co.'s new
plant. Construction on the first unit
of the new structure has been started.
The entire group of structures meas-
ure about 900 feet in length. Many
of the buildings will be of frame while
others will be of brick and reinforced
concrete. Special machinery will be
installed. Trackage to the various
buildings will be provided. About
1,000,000 feet of lumber will be re-
quired. Bids for the various parts of
the work will be called for as the
work progresses.

APARTMENT HOUSE—3 story and
base, brick and reinforced concrete,
\$100,000. Portland, Ore. Architect,

none. Owner, R. F. Wassell, 204 East
15th street, Portland. The building
will be erected at the northwest cor-
ner of 18th and Couch streets, and
will cover an area of 100 by 100 feet.
Interior has been arranged for a total
of sixty suites of two, three and four
rooms. Interior finish will be of pine
and hardwoods with hardwood floors
in the living and dining rooms. There
will be steam heat, elevator service,
dumb waiters, a vacuum cleaning sys-
tem and hot water system. All suites
will have private bath rooms and wall
beds. Tile floors and wainscot will be
used in the bath rooms. Entrance
will be finished in marble and tile.
Exterior of the building will be faced
with red pressed brick trimmed with
white terra cotta. Plans are complete
and in the hands of the owner who is
now letting subcontracts.

RESERVOIR—Reinforced concrete,
\$40,000. Eugene, Ore. Engineer,
Eugene Water Board, Eugene. Own-
ers, City of Eugene. Plans have been
completed by engineers of the Eugene
Water Board and bids are now being
taken for the construction of a rein-
forced concrete reservoir. The reser-
voir is to have a capacity of 2,500,000
gallons and will require the removal
of approximately 12,000 cubic yards of
excavation and 1,200 yards of concrete,
together with a large quantity of re-
inforcing steel, etc.

Contracts Awarded.

HIGHWAY CONSTRUCTION — \$40,-
343. Salem, Ore. Engineer, State
Highway Engineer H. L. Bowiby,
Salem. Owners, State of Oregon. Con-
tractors, Standefer-Clarkson Co.,
Northwest Bank Bldg., Portland. Con-
tract price, \$40,394.

SEATTLE AND WASHINGTON

POWER PLANT AND EQUIPMENT
—Cost not stated. Ellensburg, Wash.
Engineer, City Engineer, Ellensburg.
Owners, City of Ellensburg. Plans
have been completed and bids will be
opened on April 5th for constructing
a power plant building, including all
necessary concrete work, forebays,
spillways, etc., excavating tail race and
basin, concrete chimney, six and one-
half feet in diameter, one hundred feet
high. One thousand K. W. steam tur-
bine and switchboard barometric con-
denser and feed water pump; one 325-
H. P. boiler, one 10,000-foot pound, oil
pressure water wheel governor; mov-
ing machinery from old plant to new;
hauling new machinery from railway
to plant, wiring new building.

STORES AND OFFICES—4 story and
base, reinforced concrete, \$50,000. Se-
attle, Wash. Engineer, Chief Engineer
L. R. West of the Port of Seattle Com-
mission, Seattle. Owners, City of Se-
attle. The building will be erected
at the foot of Marion street. The
first floor will be arranged for mar-
kets and stores. The upper floors will
contain a large waiting room and of-
fices. Construction will be of rein-
forced concrete throughout. Interior
will be finished in pine and hardwood
with some metal trim. Metal window
sash and frames will be used. There
will be elevator equipment, steam heat
and vacuum cleaning. Exterior of
the building will be faced with cement
plaster. Separate contracts will be
let for the building and the mechan-
ical equipment.

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Drake, H. L.
Finnila, M. A.
Gilbertsen, L.
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Koldenstrodt, F.
Mealey & Collins
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City Supply Co.
Clark & Sons, N.
Diamond Brick Co.
Tile Co.
Gladding - McBean Co.
McNear Brick Agency
Steiger Terra Cotta & Pottery Wks
United Materials Co.
Western Development Syndicate
Western Lime & Cement Co.

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Keuffel & Esser Co.

Building Journals

Building and Industrial News.
Daily Pacific Builder

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Bay Develop. Co.
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Cal. Bldg. Material Co.
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Walker, J. M.
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niene

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Co.

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lieb

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Devincenzi & Co.,
L.

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terial Co.

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rior Co.
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Co., J. E.
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Dahl, T. H.
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Pratt & Lambert
Whittier - Coburn
Co.

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Lamburth, C. E.

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Acme Plgn. Mill
Anderson Bros.
Atlas Planing
Mill Co.
Builders' Supply
Depot
Cal. Door Co.
Cal. Planing Mill.
Emanuel, L. & E.
(Inc.)
Empire Planing
Mill
Hart & Burmels-
ter
Hermann, A.
Herring's Mill
Holden - Deuprey
Co.
Lorden Mill Co.,
J. P.
Main St. Planing
Premus Planing
Mill
Reinhart Lumber
& Planing Mill
Ryan, George

Waterhouse &
Price
Western Builders'
Supply Co.

Metal Stamping
S. F. Metal Stamp-
ing & Corr. Co.
U. S. Metal Prod-
ucts Co.

Notary Public.
Duncan, A. M.

Oils and Greases.
Standard Oil Co.
Union Oil Co.

Ornamental Plas-
tering.
Benkman, Ed. G.

Binner, Theodore
Larson, O. F.
Lipp & Co., J. P.

Painters and Dec-
orators.

Baker Co., W. T.
Bell, Wm. J.
Bernstein, Wm.
Blum, Louis
Brown, J. L.
Burns Bros.
Clark & Dickson
Cramer Bros.
Conlin, J. J.
Copnick, T. W.
Dahl, T. H.
Donovan, V. J.
Hanson, Ebling A.
Johnson, C.
Kissel, Isidor
Miller, L.
Miller, J. A.
McCubbin, James
Manning, John
Neal, L. J.
Progressive
Painting Co.
Quandt & Son
Ruderman, I.
Simon Nelson Co.
Smith, J. S.
Sovik, C. B.
Trost, C. R.
Walk, Mayer
Wagner, Fred
Wagner Bros.
Zelinsky, R.

Paints, Oils Varn-
ishes, Etc.
Clark & Dickson
Cohn & Co., Mar-
ion D.
Fuller Co., W. P.
O'Brien, J. S.

Paint Products
Corporation
Paraffine Paint Co.
Pratt & Lambert
Whittier - Coburn
Co.

Patent Chimneys.
Clawson Co., L. E.
Dresser - McDon-
Hughes, H. J.

Pile Driving.
Lamburth, C. E.

Paving Brick.
Cal Brick Co.

Planing Mills.
Acme Plgn. Mill
Anderson Bros.
Atlas Planing
Mill Co.
Builders' Supply
Depot
Cal. Door Co.
Cal. Planing Mill.
Emanuel, L. & E.
(Inc.)
Empire Planing
Mill
Hart & Burmels-
ter
Hermann, A.
Herring's Mill
Holden - Deuprey
Co.
Lorden Mill Co.,
J. P.
Main St. Planing
Premus Planing
Mill
Reinhart Lumber
& Planing Mill
Ryan, George

Waterhouse &
Price
Western Builders'
Supply Co.

Metal Stamping
S. F. Metal Stamp-
ing & Corr. Co.
U. S. Metal Prod-
ucts Co.

Notary Public.
Duncan, A. M.

Oils and Greases.
Standard Oil Co.
Union Oil Co.

Ornamental Plas-
tering.
Benkman, Ed. G.

Binner, Theodore
Larson, O. F.
Lipp & Co., J. P.

Painters and Dec-
orators.

Baker Co., W. T.
Bell, Wm. J.
Bernstein, Wm.
Blum, Louis
Brown, J. L.
Burns Bros.
Clark & Dickson
Cramer Bros.
Conlin, J. J.
Copnick, T. W.
Dahl, T. H.
Donovan, V. J.
Hanson, Ebling A.
Johnson, C.
Kissel, Isidor
Miller, L.
Miller, J. A.
McCubbin, James
Manning, John
Neal, L. J.
Progressive
Painting Co.
Quandt & Son
Ruderman, I.
Simon Nelson Co.
Smith, J. S.
Sovik, C. B.
Trost, C. R.
Walk, Mayer
Wagner, Fred
Wagner Bros.
Zelinsky, R.

Paints, Oils Varn-
ishes, Etc.
Clark & Dickson
Cohn & Co., Mar-
ion D.
Fuller Co., W. P.
O'Brien, J. S.

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Reinhart Lumber
& Planing Mill
Ryan, George

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Western Builders'
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Blum, Louis
Brown, J. L.
Burns Bros.
Clark & Dickson
Cramer Bros.
Conlin, J. J.
Copnick, T. W.
Dahl, T. H.
Donovan, V. J.
Hanson, Ebling A.
Johnson, C.
Kissel, Isidor
Miller, L.
Miller, J. A.
McCubbin, James
Manning, John
Neal, L. J.
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Quandt & Son
Ruderman, I.
Simon Nelson Co.
Smith, J. S.
Sovik, C. B.
Trost, C. R.
Walk, Mayer
Wagner, Fred
Wagner Bros.
Zelinsky, R.

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Cohn & Co., Mar-
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Fuller Co., W. P.
O'Brien, J. S.

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Hughes, H. J.

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Lamburth, C. E.

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Emanuel, L. & E.
(Inc.)
Empire Planing
Mill
Hart & Burmels-
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Hermann, A.
Herring's Mill
Holden - Deuprey
Co.
Lorden Mill Co.,
J. P.
Main St. Planing
Premus Planing
Mill
Reinhart Lumber
& Planing Mill
Ryan, George

San Mateo Plan-
ing Mill
Santa Clara Val-
ley Mill & Lum-
ber Co.

Spencer St. Plan-
ing Mill
Taylor & Co.
Western Planing
Mill
Veyhle & Collins

Plasterers.
Bosch, Herman
Bradley & O'Reilly
Brennan, James
Campbell, Chas.
Campbell & Will-
iams
Connel Co., J. E.
Daly, J. H.
Duthie, Chas.
Gilmour, W. G.
Jones, Francis
Kaiser, Jos.
Leaf, Al.
MacGruber & Co.
Mellon, Thos.
Modica, S.
Mowat Donald
Philbin, J. J.
Sexton, T. D.
Terranova Bros.
Wagner, James A.

Plumbing and Gas
Fitting.
Band, S. W.
Bernard, Geo. F.
Dunn, Neil H.
Goss, Wm. P.
Grundy, Ed.
Houston, J. J.
Kara, F. E.
Klernan & O'Brien
Lacey, E. V.
Lauder, H. I.
Lawson, Herman
Lettich, Antonio
Lettich, J. M.
Looney Co., J.
May, Gus
McLeod, J. J.
Penkerton, J. H.
Skelly, Thomas
Snook & Co.,
Fred W.
Turner Co., The
Wessel, Theo.
Wilson & Co., W.

Plumbers Supplies.
Kinney Co., R. W.
Merk-Lally Co.
Mueller Mfg. Co.,
H.
Nelson Mfg. Co.
Pac Sanitary Mfg.
Co.
Paragon Brass
Mfg. Co.

Radiators.
American Radia-
tor Co.

Railway Materials.
Orenstein - Ar-
thur Koppel Co.

Rigging.
Lamburth, C. E.

Roofing, Gravel &
Composition.)
Bender Roofing &
Paving Co.
Cantley & Co., J.
Enterprise Roof-
ing Co.
Flaherty, R. H.
Keene Co., R. E. G.
Lawson Roofing
Co.
Lewis, W. S.
Malott & Peterson
Rapheld Roofing
Co.
Samuel Co., H. D.
Watsonite Co.
Western Asbestos
Magnesia Co.
Western Felt and
Refining Co.

Roofing (Slate &
Tile.)
Graham, R. G.
Klatt, R. J.
White, Ed. A.
Fibrestone &
Roofing Co.

Roofing Materials.
Johns - Manville
Co., H. W.
Paraffine Paint Co.
Waterhouse &
Price
Western Asbestos
Magnesia Co.
Western Builders'
Supply Co.
Whittier - Coburn
Co.

Sand, Gravel, Etc.
Bay Develop. Co.
Cal. Building Ma-
terial Co.
McMullin Bros.
Stone Co., E. B. &
A. L.
Western Develop-
ment Syndicate.

Sanitary Garbage
Chutes.
Bill & Jacobsen

Sand Blasting.
McDermott, W.

Sheet Metal Wks.
Amsler Sheet
Metal Works
Appman Cornice
Works
Atlas Heating &
Ventilating Wks.
Capitol Sheet
Metal Works
Comyns & Nygren
Cronan, Wm.
Crown Cornice
Works
Elite Sheet Metal
Works
Forderer Cornice
Works
G. & M. Sheet
Metal Works.
Gulfooy Cornice
Hibernia Sheet
Metal Works
Hughes, H. J.
Ideal Cornice Wks.
Korrell & Co., J. A.
Modern Sheet Met-
al Works.
Morrison & Co.
S. F. Metal Stam-
ing & Corr. Co.
U. S. Metal Prod-
ucts Co.
Western Furnace
& Cornice Co.

Sidewalk Lights.
Jackson Co., P. H.
Dwan & Co., J. E.
Phoenix Sidewalk
Light Co.

Stair Builders.
Bishop & Peralino
Boiler, John
Jacobsen, J.
Porter, W. F.
Stewart, J. K.

Stationary.
Foster & Short
Wright, J. H.

Steel Bars.
Baker & Hamil-
ton
Dawson & Noyes
Woods & Hud-
dard.

Pacific Coast
Steel Co.
Soule Co.

Structural Steel Contractors.

Brode Iron Wks.
Dwer Bros.
Golden Gate Iron Works
San Francisco Iron Works
Ralston Iron Wks
Vulcan Iron Wks.

Surveyors.

Morser, E. J.
Quimby, L. S.
Wetherell, Chas E

Teaming & Grading.

Branick, J. P.
Blanchini, G.

Federal Transfer & Draying Co.

Carlin Bros.
Devencenzi & Co., L.
Dillon Teaming Co.

Federal Transfer & Draying Co.

Harbor View Contract Co.
Hule Co., E. M.
Lennon Co., J. E.
Leffler, Fred
McGlinchey & Monohan
Montague Co., P.
O'Day Co., D.
Powers, Chas. J.

Sibley Teaming & Grading Co.

Star Contracting Co.
Wright Co., J. H.

Tiling.

Cal. Tile Contr.Co.
Ginsberg & Co., S.
Mangrum & Otter
Peerless Agencies Co.

Vacuum Co.

Bill & Jacobson
Hughson & Mer-ton Co.
Schaer Bros.
Stevens Co., Frank A.

Hyde Henry C. United Elec. Co.

Wall Beds.
Marshall - Stearns Co.

Water Company.

Spring Valley Water Works.
Whitewashing
Brickley, P. J.
Reigle & Jameison
Taylor, L. A.

Waterproofing

Coyle, Jos. A.
Window Cleaning.
American Window Cleaning Co.

Windows, Patent.

Simplex Window Co.

Central Electric Co.

City Electric Co.
De Lew, M. A.
Decker Electric Co
Globe Elec. Co.
Levy Elec. Co.

Elevators.

Otis Elevator Co.
Van Emon Elevator Co.

Fibre.

S. F. Fibre & Cord-age Co.
Fireproof Doors.
Norris, L. A.

U. S. Metal Products Co.

Floor Sanding
Hardwood Interior Co.

Inlaid Floor Co.
Pacific Floor Sanding Co.

Grill Work.

Cal. Art Metal & Wire Works.
Merle Co., A.
Sartorius Co.
Withington, C. W.

Gen. Contractors.

Andrus, R. C.
Brigham, H. B.
Brockhage, Foley & Green
Caldwell & Co.

Cereghino & Son, Louis
Currie & Currie
Dempnack Bros.

Farquharson, D. B.
Fluth, J.
Frasier & Frasier

Graham, D. E.
Griffith, Wm.
Hannah, J. D.
Hannah & Co. J.S.

Hayes, W. W.
Jackson, A.
Kuykendall, J. O.
Malley, Edward.

Matthies, Henry
Mulcahy, James
Peacock, John
Schneblly, Host-trawser & Ped-grift

Glass and Glazing
Cal. Plate & Win-dow Gass Co.

Cohen, I.
Cobbledick-Kibby
Glass Co.

Friedman Bros.
Fuller, W. P. & Co.

Habenicht & Howlett
Holland, J. P.

Schwarz & Gott-felb (Inc.)
Grading & Team-ing.

Dillon, D.
Eureka Teaming Co.

Fay, S. J.
Greenwalt, C. J.
McClure, H. N.

Wilhelm, A. H.
Wilkie Co., A.
Williams, F. A.

Wright, Chas.
Monarch Teaming Co.

Sibley, L. B.
McLennan, S. B.

Granite.
Bradbury, Thos.
Cal. Granite Co.

De Iano & Sons, I. L.
Hunt, A. T.
Raymond Granite Co.

Hardware.
Baker & Hamilton
Joost Bros.

Kruse, J. H.
Lorenz, Schffauer & Co.
Meyer, A.

Palace Hdw Co.
Heat and Light.
Pacific Gas and Electric Co.

Heating & Vent-
ilating.
Burnham Plumb-ing & Heating, Inc.

Cronan, Wm.

Mangrum & Otter
Montague, W. W. & Co.

House Moving & Raising.

Blume Cont'g Co.
Pearson, E. K.
Sullivan, D. J. & T

Inlaid Floors.
Hardwood Interior Co.
Inlaid Floor Co.

Pacific Floor Sanding Co.
Iron Works.
Lorenz, Schffauer & Co.

Michaels & Pfeif-fer
Monarch Iron Works.

Pacific Rolling Mill Co.
Pacific Struc. Iron Works.

Joist Hangers & Post Caps.
Kortick - Falls Mfg. Co.

Lilley & Thurston Co.
Lorenz Schaffer & Co.

Western Builders' Supply Co.
Kawneer System Store Fronts.

Falls Mfg. Co.
Lilley & Thurston Co.

Light and Power

City Electric Co.
Pac. Gas & Elec-tric Co.

Lime, Cement, Etc
Acme Cement Plaster Co.

Arden Plaster Co.
Cowell Lime & Cement Co.

Holland, J. P.
Holmes Lime & Cement Co.

Lennon Jas. E.
Nephi Plaster Co.
Pacific Bldg. Ma-terial Co.

Pac Lime & Plas-ter Co.
S. F. Lime Co.

Shasta Lime Pro-ducts Co.
Western Building Material Co.

Western Lime & Cement Co.
Lumber.

Acme Lumber Co.
Christenson Lum-ber Co.

Hardy, Jas. H., Inc
Hart-Wood Lum-ber Co.

Humboldt Lumber Co.
Hauptman Lum-ber Co.

Hooper Lumber Co.
Kruse, J. H.

Loop Lumber Co.
Macdonald Lum-ber Co.

Moore, R. B. Mill & Lumber Co.
National Mill & Lumber Co.

Olsen Mahoney Lumber Co.
Pope & Talbot.

Santa Fe Lumber Co.
Schouten Lumber Co.

Tiernan & Bero-nio
Van Arsdale-Har-ris Lumber Co.

Wilson Bros.& Co.
Doe Co., F. P.

Lumber (Hard-wood.)
Dieckmann & Co.
Howard, E. A. & Co.

OFFICIAL LIST OF MEMBERS**BUILDERS' EXCHANGE**

OF SAN FRANCISCO

180-188 JESSIE STREET

PHONE KEARNY 4700

OFFICERS AND DIRECTORS.

President, H. Maundrell.
Vice-President, E. J. Brandon.
Treasurer, C. W. Withington.
Secretary, R. J. H. Forbes.

Financial Secretary, S. A. D. Schenck.
Ass't Secretary, W. J. Carberry.
Doorkeeper, B. R. Wolcott.

DIRECTORS

H. Maundrell
E. J. Brandon
C. W. Withington
R. J. H. Forbes

R. A. Chisholm
Robert Dewar
Alexander Mennie
James Young

Chas. McDonnell
Fred P. Fischer
J. D. McGilvray

MEMBERS.**Architectural Iron Works**

Acme Iron Works.
Bay City Iron Works.
Brode Iron Works
Central Iron Wks.
Dyer Bros.
Eureka Iron Wks
Kell Iron Works
Kortick - Falls Mfg Co.
G. G. Structural Iron Works.
Hillard, C. J. Co.
Judson Mfg. Co.
Mortenson Cons. Co.
Michaels & Pfeif-fer
Phoenix Iron Wks
Ralston Iron Wks
Lorenz Schaffer & Co.
Schneider Iron Works.
St. Francis Orn. Iron Works
Telger & Kerr
Stove & Found-ry Co.
Vulcan Iron Wks.
Western Iron Wks
Withington, C. W.

Art Glass.

Ingerson & Glaser Co.

Blacksmith.

Paul Kleiber

Bonds.

Costello, J. T.
Aetna Life Ins. Co
Boole, F. W.
Empire State Sur-ety Co.
Fidelity & Deposit Co. of Maryland
Gate, M. A.
Guyett & Co., R. G.
Hillman & Son, J. R.
Jones, Edward M.
Lawton, A. F.
Lloyd & Spengler
MacMeans, H. V.
Pacific Coast Sas-ualty Co.
Perley, A. E.
Smith, Leo J.
United States Metal Products Co.
United States Fidelity and Guaranty Co.

Brick and Pottery.

Bay Development Co.
Cal. Brick Co.
Carey, J. E.
Carnegie Brick & Pottery Co.
Carquinez Brick & Pottery Co.
McNear Brick Co., E. B.
Peterson - Karts-choke Brick Co.
Remillard Bk. Co
Sacramento Trans. Co.
Steiger, T. C. and Pottery Wks.
Thermos Brick Co

Building Material.

California Build-ing Material
City Supply Co.
Fernald Co., The
Kortick - Falls Mfg Co.
Holland, J. P.
Howard Co.
J. E. Lennon.
Johns-Manville Co
Pacific Bldg. Ma-terial Co.
Pacific Refining & Roofing Co.
Parrott & Co.
Paraffine Paint Co
Pratt Building & Material Co.
United Material Co
Waterhouse & Price Co.
Western Bldrs' Supply Co.

Cement Dealers

Balfour, Guthrie Co.
Cowell Lime & Ce-ment Co.
Holmes Lime & Cement Co.
Holland, J. P.
Maynard, Jr., J. L.
Meyer, A.
Pacific Portland Cement Co.
Western Building Materials Co.
Standard Portland Cement Co.

Clay Products.

Cal Brick Co.
Stanquist, Edward

Concrete.

Chase, Silas A.
Camp & Carillon.
Duncanson, Har-relson Co.
Forbes, R. J. H.
Foster & Vogt.
Goodman Artifi-cial Stone Co.
Haun, C. C. W.
Leonard, J. J.
Lynch, A.
Pasqualetti, J. L.
Petersen, H. J.
Sartorio, Charles
Stanquist, Victor
Zimmerman, L. M.

Concrete Rein-forcement.

Pacific Building Material Co.

Contractors & Builders.

Allen, Alex. M.
Anderson, W. W.
Arthur, L. H.
Boring, F. H.
Born & Son, S. A.
Brady, C. A.
Braunton Bros.
Burdick, Wm. A.
Caldwell & Co.
Cameron & Dis-son.
Cavanaugh, Thos. A.
Chisholm, R. A.
Cobby, J. W.
Coburn, I. W., Inc.
Concannon, W. N.
Conrad, H.
Cregghino & Son, Lewis
Davis & Son, T. E.
Dewar, R. & Son.
Elam, Thos. & Son
Elliott, E. W.
Fahy, R.
Fischer, Fred.
Franz, Val.
Gillespie, G. G.
Gallagher, Frank.
Gardiser, Florent.
Greig, Robt.
Hansbrough Bros.
Healey - Tibbits Con Co
Hinson, L. A.
Holm & Son.
Howkins, A.
Ingerson, C. A.
Jacks, H.
Jones, Paul
Jones, W. G.
Kent, S. H.
Knowles & Reich-ley.
Lelter, E. T. & Sons.
Lynch, M. C

Masow & Morrison
Mathews Con. Co.
Mathies, H. C.
McBain, J.
McKillican, R and Wm.
Miller, Adam.
Moller, R. W.
Morey, H. B. & Son
Owsley, B. T.
Penny, Isaac.
McLeran & Peter-son.

Robinson & Gil-lespie.
Simmen, John.
Smith, J. W. & Son
Spence, A. T.
Stockholm & Al-lyn.
Terrill, G. C.
Vezina, L. N.
Warwick, H. C
Buller, Thos.
White Bros. (car-penters).

Cornice Works.

Amsler, C. S.
Berger Mfg. Co.
Capitol Sheet Mtl. Works.
Comyns & Child-ers.
Conlin, J.
Cronan, Wm.
Forderer Cornice Works.
Guilfof Cornice Works.
Appmann Cornice Works.
Heidt, Wesley.
Morrison & Clark.
S. F. Cornice Co.
Western Furnace & Cornice Wks.

Contracting

Lather.

Hayden, Fred
Lynch, Richard
Snell & Dennis

Curbing, Granite.

McLennan, S. B.

Damp Proofers.

Brickley, P. J.
Reigle & Jamison

Door Openers.

Rischmuller Geo.

Electrical.

American Elec-trical Engi-neering Co.
California Electri-cal Works.

Masons & Builders

Alexander, R.
Allen, C. J.
Anderson & Ral-
ney.
Arlett, A.
Beck, A.
Brady, M. V.
Brady, O. E. & Son
Brandon, E. J.
Brennan, J. E.
Brigham, H. B.
Butcher, Thomas
Byron, D. J. & Son
Campbell Bros.
Carr, J. W.
Drake, Harry E.
Downey, J.
Farrell & Reed
Fennell, Jas.
Gale, M. F. & Son
Gilson, J. E.
Harrison, A.
Hibbins & Barker
Hock, Chas.
Hoffman, V.
Hogberg & Lud-
wig
Larsen, H. H.
Lawson, A. W.
McGowan, M.
Miller, J. W.
Murray & Mow-
bray.
Mulcahy Bros.
Nagel, W. L.
O'Connor, J. J.
O'Rourke, T. F.
Scott Co.
Rainey & Phil-
lips.
Reed & White
Ringrose, R. & Son
Scott, W. S.
Walker, P. J.
Watson, Sage
Watson, Sidney
Whitney & Davies
Wilson, James A.
Wygant, J. H.
Marble.
American Marble
& Mosaic Co.
Columbia Marble
Co.
Crassl, Peter, Co.
Hunt, Andrew T.

Maino, F. L. & Co.
Musto & Sons, Jos
Keenan Co.
Vermont Marble
Co.

**Mantels, Tiles
Grates.**

Ginsberg & Co., S.
Holloway Ex-
panded Metal
Co.
Kirwin & Dono-
van.
Mangrum & Otter
Montague & Co., W.
Peerless Agencies
Metal Furring &
Lathing.
Holloway Ex-
panded Mtl Co.
Lynch, H. T.
National Lathing
and Furring
Northwestern Ex-
panded Metal
Co.

**Metal Window
Works.**

Dwan, J. E.
U. S. Metal Prod-
ucts Co.

Mortar.

Atlas Motar Co.

Mosaic.

Amer. Marble &
Mosaic Co.
Maino, F. L. & Co.

Office Fixtures.

Bateman, Wm.
Forbes & Son, A. J.
Fink & Schindler
Co.
Simmen, John

Ornamental**Plasterers**

Blasse, Theo.
Larson, O. F.
Woodson, J. P.

Painters.

Daniels, Gus V.
Donovan, V. J.
Fraser, J. P.
Kuss, P. N.
Lewellyn, J.

Maundrell, H.

Spark, J. H.,
Neal, L. J.

Paint Burner

Paint (Damp Re-
sisting.)
Dwan Co. J. E.
Paints, Oils. Etc.

Bass - Heuter
Fuller & Co., W. P.
Kuss, P. N.
Maundrell, H.
Pacific Refining &
Roofing
Paraffine Paint Co
Whittier - Coburn
Co.

Patent Chimneys.

Clawson & Co., L.
E.
Dunlevy & Gettle
Dresser - McDon-
nell Co.
Cal. Pottery Co.

Paving Brick.

Cal Brick Co.

Planing Mills.

Anderson Bros.
Burnham - Stan-
ford Co.
Ca. Door Co.
Cal. Milling Co.
Elkington &
Hucke

Herring Mill (Inc)
Kendall, A.
Kruze, J. H.
Lorden Mill Co., J.
P.
R. B. Moore Mill &
Lumber Co.
National Mill &
Lumber Co.

Pacific Mfg. Co.
Reinhart Lumber
& Planing Mill
Co.

Reilly, P. F.
Santa Clara Mill
& Lumber Co.
San Mateo Plan-
ing Mill.
Searle & Hayman

Plasterers.

Binner, Theo.
Bradley & Reilly
Carrick, M. H.
Chalmers, H. A.
(Inc.)

Clark, D. Ross.
Crichton, J. L.
Coghlan, Frank
Connolly, J. J.
Connell, J. E.
Fay, John
Felt, R. L.
Floodberg & Mc-
Caffery.
Fraser, Simon
Gregg & Clute
Gilmour, Wm. G.
Jacobsen, N.
Kaiser, Joe
Knowles A.

Leaf, A.
Lyden & Bickel
MacGruber & Co.
Mennie, Alex.
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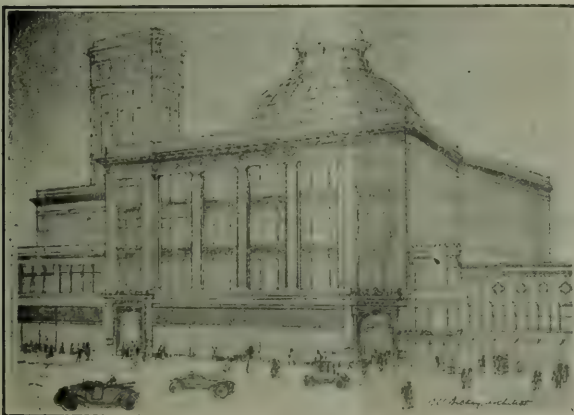
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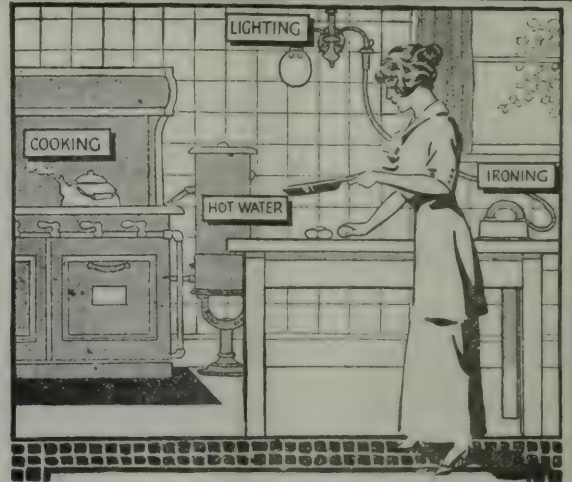
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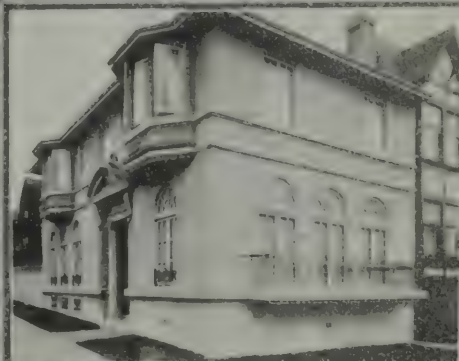
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Editorial Comment.

The Chronicle still continues to attack the proposed purchase of the properties of Spring Valley. Yet it gives no facts or figures upon which one can base an intelligent conclusion. It simply states that the condemnation suit should be forced and by so doing we will get the property for what it is worth.

The city has already spent about \$150,000 in appraising the physical properties of the company for the purposes of bringing this suit. The city's own appraisers have placed a valuation on the property approximately the same as the company offers to take. If there has been fraud in this appraisalment the Chronicle should endeavor to show it, for it is idle to undertake a condemnation suit that would take years to determine and then pay as much in the end. The purchase or non-purchase of Spring Valley is an important question for the people to determine. If the Chronicle has any argument let it advance it. Once before the question came up and the purchase was defeated by the then mayor of San Francisco, who by a wave of the hand said he'd have the "Hetch-Hetchy water in San Francisco within five years," when he didn't have any more idea of how he was to get it here than he had of stopping the European war. Buncombe on either side is not going to get us anywhere. We want the facts presented to the people in plain and logical form and then let the people decide for themselves.

The Department of Agriculture is publishing a series of pamphlets compiled for the information of the public upon the needs of farm women. The nation has at least awoke to the fact that its future depends upon the welfare of its producers, and particularly upon its agricultural resources. Accordingly it is offering good inducements for young men in the Civil Service employment of the Department of Agriculture and is now publishing many letters from farm women throughout the country. To those who have been reared in the country and have felt the isolation and life of drudgery to which the average woman is subjected the letter of many of the women will appeal. For instance one Virginia woman writes to the Department as follows:

Isolation, stagnation, ignorance, loss of ambition, the incessant grind of labor, and lack of time for improvement by reading, by social intercourse, or by recreation of some sort are all working against the farm woman's happiness and will ultimately spell disaster to the Nation. The people make a coun-

try, never does the country make the people, and a woman's influence and training will show upon all peoples. Therefore, take care of her and do not burden her with drudgery which will dwarf her. Of course the rural free delivery, the mind and destroy her ambition.

parcels post service and improved farm machinery have in a great measure lightened the load. But the summertime still brings its long days of toil and drudgery and the Federal Government is doing well to endeavor to find some relief and opportunity for advancement and culture for the farm woman, the mothers of the future race.

What an array of newspapers San Francisco has? The Chronicle comes out against the purchase of Spring Valley and makes positive statements as to the attempt of the Board of Supervisors and the Advisory Committee thereof to saddle the city with an exorbitant price for the property. It prints statements as to probable law suits in Alameda County. It asserts that the city is purchasing Lake Merced for the purpose of improving the property that the company will still hold.

At the same time the Examiner prints a large type editorial stating that it is a good bargain, that it will make money for the city just as the Examiner said the Municipal Railway would and that it is the duty of the people to vote as the Examiner tells them to vote. Neither of these statements appeals to a citizen gifted with enough intelligence to entitle him to vote. The question in the main resolves itself into whether or not the city has properly investigated the proposition and whether the people in charge are capable and conscientious in this matter. The Chronicle says they are not. The Examiner says they are. And the average intelligent citizen does not believe either paper, so he is left to judge the merits of the case for himself from whatever source he can gain authentic information.

Judge Sullivan was originally an advocate of the condemnation proceedings. After going into the matter and after getting the appraisments made under the direction of City's experts, he came to the conclusion that the city would have to pay practically the same price at the end of a condemnation suit. And no one knows how or when a condemnation suit would end.

From now on till the 20th the "Builder" will furnish its readers what information it can in regard to the purchase. There are some things about which there will always be differences of opinion. If you have any questions send them in and we will try to find out what you want to know.

Scientific Operations of Irrigation Systems.

The Practical System of Delivery of Water to the Consumer.

F. H. Newell, S. B., Consulting Engineer
U. S. Reclamation Service,
Washington, D. C.

Operation of large irrigation works is gradually being standardized and the practices made to conform somewhat closely to a more or less general system; one which the experience of the engineers or managers in charge have found to be desirable. The following paragraphs bring together contributions from various sources on certain of the problems which are presented to each manager of these large works at the time when they have been completed and turned over to the operating force.

Delivery of Water.

There are almost innumerable methods of delivery of water from the main canal to the irrigators or consumers, but for convenience, these may be classified under three heads, as follows: (a) Continuous flow. (b) Delivery on demand. (c) Rotation on schedule.

(a) Continuous flow.—Most of the older and smaller irrigation systems were built on the theory of furnishing a continuous flow of water, say 1 cubic foot per acre, to each farm of 160 acres. The small pioneer canals were built by individuals or associations of farmers who joined forces to build the principal canal and then gradually enlarged or extended the work, bringing water to each farm and dividing it pro rata. Water turned in at the head was allowed to flow down to the farms and if not needed was permitted to continue on through natural depressions back to the river. Whenever an irrigator desired to use the water he turned it to his field. As the demands increased it became necessary to proportion the flow, and finally some one man was designated to try to divide the supply equitably when it became scanty. There arose almost innumerable controversies over this division, especially when the larger farms were subdivided, and water more carefully used by a few of the farmers.

(b) Delivery on demand.—The owner of a 160-acre tract having a steady flow of 1 cubic foot per second would naturally use the water first on one tract of 20 or 40 acres, then on another, turning the stream from one field to the next. When the time came to subdivide the land each owner of a 40-acre tract might elect to take his proportion of the continuous flow, or more likely would continue to practice a division of the entire flow, making a request upon his neighbors to permit him to have the full head of water during a short period of time, arranging for an exchange of time of flow. Thus grew up naturally a crude system of delivery on call, often quite complex in its ramifications as different neighbors, or groups of neighbors, adjusted the needs of their crops to the continuous flow of the locality. One man, for example, would arrange to take all the water belonging to three or four of his neighbors for certain periods, and call for the united supply, then, later, his water would

be combined in the general stock and made subject to call of the other neighbors as needed by them. This system worked quite satisfactory for a time, when there were not many users, and is still followed where there is ample water supply, or where the canals and laterals are of sufficient size to permit a number of men to call for water at the same time without interference with each other.

(c) Rotation.—In the event that the canal capacity is not adequate to permit everyone to obtain water at the same time, it follows that there must be some systematic scheme by which each may receive his share of the supply at periods to be worked out in advance, and according to some carefully considered schedule, prepared with reference to the character of soil and crops. Taking, for instance, the case of the original owner who had 4-second-feet for 320 acres, this might be a convenient quantity to handle at one time or "irrigation head" and one which would be carried through the lateral canals. He may have been accustomed to using this in turn on each 40-acre tract. If later he subdivides and sell to 8 owners of 40 acres each, it is obvious that these 8 owners must agree among themselves as to when each may enjoy in turn the use of the full irrigation head. Thus, systematic rotation must be arranged according to some carefully considered schedule, so that each irrigator may have either a full head of four second-feet for a certain number of hours, or half a head.

Where there are several hundred, or several thousand irrigators of small tracts, the preparation of a schedule to meet the convenience of these irrigators, and the needs of their crops, is a difficult and intricate matter, and one which to be successful must be the result of years of experience. A new, or unskilled manager, with the best of intentions, may interfere with the delicate adjustments which have taken place and bring about great confusion or loss through unwise attempts to improve the elaborate system which may have grown up.

Under some of the larger irrigation canals, even where a definite rotation system has not been established, it is customary for the water-users to arrange among themselves to exchange water so as to increase the irrigating local head available. This is notably the case where the farmers have discovered that the continuous delivery of a small amount of water is neither economical of their time or of the water supply; they devise for themselves certain economies of time and water, and provide a system by which one man arranges with his neighbor to unite the water which would otherwise have been divided among two or more farms, using the larger volume of water, or head, for a few hours on one farm, then shutting it off completely and delivering to another. Such an arrangement may precede the

adoption of a more complete system of rotation. It teaches the value of systematic rotation, and creates a desire for it, as some of the farmers are not always able, by their own efforts to find neighbors who can, or will, exchange with them at the critical time. It is not always possible to rotate on the theoretically ideal basis, because the soils are not always of uniform texture; some dry out with rapidity, and require applications of water at short intervals. This is usually a temporary condition, and after humus has been supplied and the ground cultivated for some years, the irrigation head, and the length of the rotation period can be gradually increased.

Various Forms of Rotation.

It is to be seen from the above statement that the word "rotation" covers a wide variety of practices in distributing water. It implies that, for any given tract of land, water is applied at intervals, and not in a continuous stream. In other words, it is in accordance with natural conditions where rains descend at intervals, wetting the soil, which, on the cessation of the rains, becomes dry again, permitting aeration and cultivation.

As a matter of fact, no one piece of land which is not used for growing aquatic plants is given a continuous flow. Each small plot of land is alternately wet and then allowed to dry. If a land owner has a continuous flow at the edge of his 160-acre tract, he uses the water for a day or more upon a field of 10 acres, then applies it to his orchard, and so on, rotating the delivery to the various fields. While many irrigators claim to have a continuous flow and to successfully irrigate with it, as a matter of fact they actually practice some form of rotation. Frequently they resent the introduction of a so-called "rotation plan," although they themselves are actually carrying it out under another name. The almost infinite variety of ways in which rotation may be carried on has arisen from the fact, as before noted, that most of these ways have grown up through informal arrangement among neighbors by which a more or less elementary schedule is agreed upon, one man taking water on a certain day, and turning his share to his neighbor the next day, and so on.

A time may arise when the crop conditions are such that none of the farmers need to utilize the water during certain days, and they appreciate that the steady flow is tending to raise the ground water and swamp the low lands. They therefore agree that the lateral shall be shut down for a period of several days, and dried out, or cleaned. The water which would otherwise have gone to this lateral can then be used on other lands, and the result is the practice of rotation between laterals as well as between fields.

With a more highly developed system of management, it is possible to

make a schedule such that not only the small laterals, but larger branches of the canal may be shut down for a period of from four days to a week at a time, allowing larger areas of ground to dry out, be cultivated and aerated and brought into the best possible condition. Rotation between any considerable areas of land is, however, a matter requiring long experience and the careful working out of a schedule such that the farmers may make provision to plant and cultivate their crops with full reference to the rotation system, each crop being mutually adapted to the needs of the other. In the case of young alfalfa, or of gardens, it is not always possible to arrange complete rotation, but provision must be made for these, also for stock water in new countries where the farmers have not yet provided an adequate supply.

In practice, it is usually desirable to give to the man at the far end of the lateral a full head for a certain number of hours, then his gate is shut down and the next man above receives the full flow for his proportional number of hours, and so on day and night. There can little question arise as to fairness of division under this method, because each man has the full flow maintained at a steady rate for a definite time.

It is not always possible, however, to follow such a simple device, as with various crops on different sized holdings it may be necessary to supply two or more small farms—say of ten acres each—at the same time, so that the single measurement at the head of the lateral will not suffice. Thus, gradually, the division becomes more and more complicated, especially where water is rotated between separate laterals.

Rotation Period.

As far as practicable, it is desirable to have the individual farmer decide for himself the length of the rotation period, and the head of water with which he can attain the best results. This can usually be done within certain limits, where the farmer works with a co-operative spirit, and is actuated by a desire to join with his neighbors in producing the best results for the community. It is necessary to have his personal interest in this matter in order to promote a high duty of water, make the canals easier to operate, reduce the seepage, and give better returns. In any community, unfortunately there are men who are unwilling to join with the rest in any desired reform. For example, in one instance a man has demanded an irrigation head of six second feet of six-day rotation on a 20-acre tract of sod, an amount sufficient to swamp the neighborhood, and yet this man is a prominent farmer and business man, skilled in other occupations, but wholly unreasonable in his demands for water.

On the North Platte project in Nebraska the period is four days flow and four days off, furnishing an irrigation head of two second-feet to each 80-acre tract. The farmers who have 160 acres or more have a six-day flow and three days off, if desired. When this system was first announced and before water was used, there were many theoretical objectors, but after

a month's use there was practically no complaint.

It is customary for the water-user himself to initiate the delivery by making a request for a certain amount of water at a certain time.

These requests are compiled each day on suitable records arranged for the convenience of the canal rider, and approved by the watermaster or superintendent of that division. The slip or card may either be mailed to the office of the canal superintendent or manager or left in a small box provided for that purpose at the head-gate of the farmer's lateral. These notices are collected by the canal riders on their rounds. In case telephone facilities are provided, the request may be transmitted by telephone, but in such case it is usually required that the written card or request be sent in due course of time to the manager's office, to verify the fact that the water has been requested. An application form has been adopted for use in cases where there is unusual difficulty in delivery of water, or where exceptional care should be taken to insure careful planning of the rotation.

Operation of Laterals.

The method of operating the laterals of an irrigation system is very largely determined upon the amount of water turned to each farmer or the size of the heads used by the individual irrigators. If, for example, relatively small heads are used, then a larger number of irrigators can be kept busy with the water from a given lateral, and the farmers' gates are adjusted at less frequent intervals, but more time is required in irrigation. On the other hand, if the farmers have become accustomed to using large heads then the length of time required by any one irrigator for getting the water over his field is relatively short. The gates must be adjusted at frequent intervals, and the schedules of deliveries arranged accordingly.

For economy of time and water, both in the operation of the system and in the processes of irrigation, the farmers' fields must be prepared to receive the water quickly. In other words, the surface of the cultivated lands must be made as smooth as possible, all depressions being filled and elevations removed, so that the water can be successfully conducted over the entire surface. If this be not done, low spots receive too much water, and the crops on them are drowned in the attempt to irrigate the higher points, unless the irrigator spends an extraordinary amount of time and labor in applying the water.

In the case of some fields in the arid region, nature has already leveled the surface, but in most localities it is necessary to incur large expense, not only in removing the native vegetation but in smoothing down the ridges or hummocks, which have resulted from the growth of this vegetation, or from the wind action in piling up the sand around the scanty growth. Where the vegetation is particularly heavy, as, for example, on the alluvial or bottom lands, the cost of removing this vegetation is not only heavy, \$10 or \$15 or more per acre, but the expense of leveling is often as much, or even more, because the ground has been furrowed or cut into gullies by

the overflowing flood waters.

The cost of clearing and leveling some of the rich bottom land soils may be as high as \$50 an acre, but the expense is justified. The quicker the fields are leveled the better will be the results. It is not to be expected that the entire area of the farm will be brought into good condition the first year, but the irrigation manager should do everything possible to encourage the thorough leveling and preparation of at least a portion of the fields each year, this area being gradually extended as opportunity offers until the entire acreage has been brought up to the best condition for applying water.

Farm Boxes.

Under the best conditions of irrigation development each separate farm or large field is provided with a box, or gate, for delivering water, arranged in such a way that the flow can be controlled and measured. Under some of the older irrigation systems, especially where the farm areas were large, it was customary to deliver water in practically continuous flow, with few and simple gates, the water not being measured, but simply divided by some rude device. The gates were set at the beginning of the irrigation system, and were rarely changed until the time of summer drought. This resulted in great waste of water, and in the encouragement of practices which cannot be tolerated under more highly developed systems, where it is necessary to keep accurate record of the amount of water delivered to each customer.

Many of the farm gates or turnouts placed during the earlier periods of construction, were designed upon the assumption of delivering a relatively small continuous flow. Later experience has shown that the greater economy of water and of irrigators' time, can be obtained by using larger heads of water for shorter periods. Thus it results that the irrigation manager in many instances must increase the size of the gates, rebuilding them with sufficient capacity to deliver to each farm the largest practicable amount of water consistent with the character of soil and crop. For example, the delivery boxes which were designed for a delivery of one cubic foot per second to 80 acres, flowing almost continuously, may be replaced to advantage by structures which can deliver as high as ten cubic feet per second, to be used during a period of a few hours. Frequent consideration should be given to this matter, with a view to insuring a still greater economy by increasing the size of the gates and farm laterals whenever opportunity offers.

It has been found essential to make provision for locking the farm gates in the same way that the gates to the larger laterals are kept locked. By so doing the canal rider is sure that the gates are not tampered with, nor opened or closed to the detriment, not only of the irrigators themselves, but the liability of injury to the canal system. There are so many opportunities for mishaps to occur that, if the manager is to be held legally or morally responsible for the operation of the system, he cannot afford to take chances on some ignorant or mischievous person changing the water dis-

tribution in the absence of the canal rider. For example, an irrigator finding that, for some reason or another, he does not need the water, is tempted to shut his gate; or a sudden rainstorm may cause a general shutting down, with danger of breaking the banks or flooding the fields.

In old communities where the gates have not been locked, and where there has been a general indifference about water economy, or injury to property through flooding, there is usually resentment on the introduction of the more effective system; some of the farmers regard it as a personal affront when the gates are fastened. It should be generally understood that this is done for the security of all concerned, and is essential to the proper control of the system.

In promulgating rules governing the operation and maintenance of any canal system, it should be clearly shown that the manager has the duty to control at all times the headgates and other structures; and that he and his assistants have the exclusive right to the possession of the keys to all locks; and that no unauthorized person shall be permitted to tamper with the gates or change the locks.

Centralized and Community Systems.

There are two well defined systems of operating the laterals which take water from a main canal or its branches to the lands of a group of farmers. The first may be called the centralized system, and the second the community system.

Under the first system, or centralized system, the manager, or superintendent, of the canal is held responsible for delivery to the field of each individual farmer of a certain quantity of water; he has a definite schedule of water deliveries arranged in advance, and the necessary operating force to see to it that the water is distributed; not only to the different laterals but also from the lateral to each farmer.

Under the second, or community system, the manager is concerned simply with the schedule for delivery of the water from the branch canal to each lateral, but not from the lateral. All of the individuals, usually a half dozen or more, who receive water from each lateral, organize a community for the purpose of operating and maintaining the lateral and of dividing the water among themselves, the prime object being to reduce the cash outlay in cost of operation, by doing for themselves the work which would require the services of a professional canal rider.

The lateral community, or group of water-users, acting in a very informal manner elects one of its members as secretary. He may, or may not act as the watermaster. His business it is to keep a record of the acts of the community and of the amount of water and time when it should be turned to the individual fields. There is also chosen from among the farmers a watermaster, if the secretary does not act as such, whose duty it is to attend to the distribution of water and to the cleaning of the lateral and the necessary repairs.

The community system, in theory, is nearly ideal, as it is the exemplification of home rule, or of local control, in which neighbors share the responsibility and divide the water among themselves, reducing the cost of cash

outlay for clerical and other employees. It is in line with the immediate control of the canal by the people who are served by its waters; a condition which should be realized in all public utilities of this kind. Like most ideal systems, for success it requires ideal people. If each community has high conceptions of civic duties, and puts into practice the Golden Rule, success is assured; but, if, as occasionally happens to be the case, there are one or two men who shirk their community duties, or who regard their own affairs as of superior importance to those of their neighbors, it invariably results that the weaker suffer. There is practically no appeal from the neglect of neighborly duties. If on a lateral supplying—say 20 farms—a majority of the farmers, particularly those at the upper end, happen to be on unfriendly terms with the men at the lower end, they may not keep the ditch clean, nor let down enough water to the lower farmers, and the latter may be left without water, or may be flooded by the turning down of a large and unexpected quantity during the night, or at a time when a rainstorm is approaching.

It frequently happens in new communities that there are small groups of men of different nationalities or religions, having little social intercourse with each other. Although they may intend to be fair in their distribution, there is always a difference of opinion as to what constitutes fairness. The man, or group of men in the minority is apt to be oppressed to a point where he thinks that he must seek redress by force. It is extremely difficult and expensive to take such matters into court, as they are of the nature of neighborhood quarrels, and by the time the matter is settled the crops may be burned up for lack of water.

Thus it frequently happens that the apparent economies of operating under the communal system are more than overcome by the actual losses to individuals, and by the destructive neighborhood quarrels which arise because of the lack of simple, effective and quick-acting tribunal or official who can render immediate decision and rectify obvious wrongs.

It is for this reason that there is a tendency to turn from the community system to the centralized system, where all of the communities and people, or the entire project, are represented by a single man in authority, guided by law and by regulations laid down by all the persons concerned. He has the power to enforce these rules immediately, and to see to it that equity is done to each of the individuals, no matter how powerless he might be as against his unfriendly neighbors.

Community System in Practice.

As an illustration of the practical working out of the community system, may be given an instance from Idaho: The community officers there consist of a secretary and gate tender, elected each year by the members of the community or district, each member casting as many votes as he has acres watered from the lateral. The secretary keeps the record of each settler's work in maintaining the lateral in repair. He also orders and superintends such work. The gate tender receives from the canal system the amount of

water required for the members of the district, it being his duty to see to it that members in arrears do not obtain water.

The theory of this plan appears admirable. Unfortunately, however, it does not sufficiently take into account the vagaries of human nature. Usually the district officers are not paid for their services, and therefore do not care to exert themselves unduly in the performance of their duties. Often there are certain members of a district who insist in taking water to which they are not entitled—either through not having paid the charges due or through being in arrears with their assessment work for maintaining the ditch. Unless the gate tender is sufficiently courageous to be willing to provoke a quarrel with such neighbors by closing down their headgates and insisting on their share of the work being performed or paid for, these men will take the water by force.

Several of the laterals being thus operated are from three to four miles in length and supply 20 to 25 farms. The farmers located close to the head of the lateral can obtain water with little work or effort, and hence they leave the men lower down to wrestle with problem of securing water the best way they can. The former oftentimes hold back the water by checks in the lateral, so that those at the lower end can obtain but a meagre supply. There are usually no locks on the structures operated by a small community, and hence little check on individual action.

Thus, aside from the burden of maintaining long, sandy ditches, which are likely to blow full several times a year, the farmers on these long laterals have many contentions among themselves as to water service.

On some laterals, it frequently happens that some settlers for various reasons do not desire to use the water, and perhaps are absent from their ranches. This means that the balance of the members of that district are obliged to maintain the lateral at their own expense, as there is no way to collect from the men who will not assist with the work.

It is not to be supposed that the conditions outlined above exist on all canals. Many settlers acting under the community plan are receiving water from laterals which are comparatively short, and where each man is disposed to do his share for the common good, no trouble exists. On the other hand, even in a small district, the election of officers can be dictated by one or two farmers having the majority of acreage, and the ditch operated, therefore, according to their wills.

The burden imposed on the settlers by reason of the requirement to maintain and operate the laterals is an uneven one. Some laterals are long and sandy; others are short and give little trouble; while many settlers living adjacent to the main canals have their own private headgates, and, therefore, are at no expense for such lateral maintenance.

The system of individual delivery by a central authority is much more equitable; the cost is distributed evenly, and any complaint as to inability to receive water may be taken up directly with the general officers

whose duty it is to remedy the trouble.
Community Canals.

A distinction is to be observed between the early pioneer canals which were built and owned by a small group of men related to each other or intimately bound by old neighborhood ties, or united by interest. These men have developed through years a certain practical scheme of co-operation which is enforced by a strong sense of mutual aid. In the case of a system built by outside capital, where settlers have come together from all parts of the world, the neighborhood spirit develops slowly, and a generation may have elapsed before this altruistic attitude is prominent. The new comers do not get acquainted with each other readily, as each is busy getting started in his farm work, and during the first few years there is such shifting of population that few permanent ties of acquaintanceship can be established.

This condition is illustrated, for example, on one of the projects, where certain owners of lands agreed that the management should furnish water to the group, measuring it into the upper end of their lateral. This was done for two years, but the continual squabbles over the distribution resulted in urgent requests that the managers take over the operation of the lateral and deliver water to each individual. This was agreed to, providing the land owners would get together and put the lateral in good order, but even this simple detail was almost impracticable. The different owners had gotten into such a state of mind that they were not on speaking terms with each other and were utterly helpless to deliver water to themselves through their own lateral.

The experience of the Modesto irrigation district, in California, is interesting in this connection, as the large private laterals built to open particular tracts of land, and originally managed independently of the districts have been taken over by the districts at the request of the irrigators, as it was found that the water could be delivered more satisfactorily by the larger organization.

Measuring Devices.

Under ideal conditions, there should be a simple and accurate measuring device at the field of every farmer, by which the quantity of water delivered to him may be ascertained by the canal rider and by the farmer himself. In this respect the situation of the individual farmer is like that of the water consumer in the city, where economy is prompted by the use of water meters for each house, or apartment.

The ideal measuring device for irrigation is yet to be invented. There are almost innumerable methods in use—none wholly satisfactory, but some better adapted for one locality than another. The conditions to be met by a practical measuring device, is one which is relatively inexpensive, strong and "fool-proof," does not obstruct the flow of water, nor require for its operation an excessive amount of fall of the water, and which is not easily clogged by weeds or trash, and which at the same time affords fair accuracy in measurement. The simplest and most generally used device for estimating the quantity of water

delivered to the farmer is a rectangular flume or box, with a simple wooden slide gate controlling the amount of water which can enter the box. This is located in the bank of the canal or lateral at sufficient elevation to receive water when the lateral is only partly full. It is placed at right angles to the bank, and nearly horizontal, or with slight fall away from the canal.

By adjusting the gate at the upper end, water flows through this short piece of flume, or box; the quantity of water is estimated roughly from the height at which it stands in the box—that is to say, if the box is two feet wide, and the water is flowing with a depth of nine inches, the area of a cross-section will be $1\frac{1}{2}$ square feet; if the velocity of water in the box is four linear feet per second, there will be a delivery of six cubic feet per second to the land. The width and depth of water can be easily ascertained, but the average velocity not only varies from time to time, due to various causes, but is quite difficult to estimate with any degree of accuracy. This estimation is generally made by a small current meter, or by floats, or by chips thrown on the surface, giving an approximate result. As a rule the practical irrigator trusts to his eye, or general judgment as to the quantity of water which is issuing from one of these boxes.

The estimates made from these crude measuring boxes are sometimes quite close; in others, they may be 50 per cent or more away from the truth. There is a tendency to under estimate, and especially if the water is moving quietly, to assume that there is, for example, five second feet, when measurement may show more nearly eight. Large quantities of water thus disappear mysteriously from an irrigation system, due to this reliance upon crude devices and to the assumption by so-called practical men that they can accurately judge quantities by the eye. An official of a large irrigation project was recently quoted as saying:

"We have an expert in charge of our canal construction; he also directs the installation of our measuring devices and the distribution of our water. He is a remarkable engineer; he attends to the distribution of the water to the entire satisfaction of all."

In great haste this wise man was sought out, to find his method. "What devices do you use for measuring this water from one canal into another, and from the main irrigation ditch into the ditches of the individual farmers?"

"Well," he replied, "I use one device; sometimes I use another, but my assistants have become so expert at judging the amount of water that flows in a canal, that the fact of the matter is, they tell without any measurements."

Wherever there is ample fall from the distributing lateral to the fields, or the farm, the measuring device giving the most accurate results is the knife-edge weir. This may be either rectangular in shape or with inclined sides, as the Cippolotti weir, or the V-notch.

Weir tables, based upon experimental data, have been constructed for various sizes and shapes of meters and

give results accurately with two or three per cent. To obtain this accuracy, however, it is necessary that the conditions surrounding the weir be kept similar to those of the experimental weir from which the tables were computed; the approach to the weir must be kept clean and a clear overflow be provided, without obstruction to the water in flowing away from the weir.

Where the available fall is slight, submerged weirs or submerged orifices are sometimes used. All of these devices require skill and attention, and for accuracy of measurement they should be systematically inspected by an experienced hydrographer who is capable of making accurate tests, and determining the habitual errors. The canal riders must, of course, make the daily rounds and record the height of water, and the hydrographer, visiting the same locality at longer intervals, check up the observations made by the canal rider, and verify the assumptions as to quantities derived from these observations.

Use Book.

The details of methods of operation on each large irrigation project should be embodied in a small hand book, or "use-book" prepared for convenience of reference by the canal riders, and containing instructions which are to be observed in controlling the water, and in the various relations with the water users. This should be accompanied by simple hydraulic tables and illustrations of methods of estimating the flow of water in weirs or boxes of various sizes.

In some instances a manual of the kind may be divided into two parts, one for the guidance of the water-masters, canal riders and other employees, and the other part for the information of the water users. This latter should give in a form as concisely as possible the conditions which should be observed by such water users, for the general protection and for the welfare of the entire system.

SULPHUR DYES TO REPLACE ANILINE.

A discovery that is likely to revolutionize the dyeing industry is that of a process for using sulphur dyes for fabrics other than cotton, for which sulphur dyes have heretofore been exclusively used. The new process was developed in an English laboratory and is the result of experiments made for finding a substitute for the German aniline dyes which have been practically shut out of the market by the war. Aside from the fact that sulphur can be obtained from many sources, one of the principal advantages claimed for the process is that wool, silk, artificial silk, and hemp can be dyed together in one bath, thereby saving the cost of separate dyeing and that of dyeing by the present two-bath process. The process is said to be so simple that any competent dyer can learn it with less than half a day's instruction.—Popular Mechanics.

A combination of telephone, microphone and phonograph has been invented in France for transmitting sounds from the last to distant points or to several points at once.

ADVANCE NEWS

Classified according to Character of Work

APARTMENT HOUSES

SAN FRANCISCO—Apartment house, 5 story and base, brick and steel, \$50,000. Architect, none. Owners, Towne Realty Company, 166 Geary street, S. F. The building will be erected on the south side of California street east of Jones, covering an area of 106 by 54 feet. There will be a complete steel frame, brick exterior walls faced with pressed brick and terra cotta. The building has been designed for five apartments, each apartment occupying an entire floor, consisting of seven or eight rooms. Interiors will be finished in pine and hardwood with white enamel in the bed rooms. There will be two baths for each apartment. Baths will be finished in tile. There will be steam heat, elevator service, dumb waiters and a hot and cold water supply. Marble and tile wainscot will be used in the entrance vestibule. The contract for the structural steel work has already been awarded to the Vulcan Iron Works and segregated figures are being taken by the owners for the balance of the construction.

SAN FRANCISCO—Apartment house alterations, 2, 2 story frame buildings, \$7,000. Architect, Theo. W. Lenzen, Humboldt Bank Bldg., S. F. Owner, Lena Ganz, 94 Fair Oaks street, S. F. The two present flat buildings located on the north side of 22nd street near Fair Oaks are to be altered into eight modern apartments. This work will include new interior finish, plastering, painting, electric work, plumbing and heating. The exterior of the building will be covered with cement plaster on metal lath. Plans are complete and figures are now being taken.

SAN FRANCISCO—Apartment house, 3 story and base, frame, \$25,000. Architect, Arthur J. Laib, Russ Bldg., S. F. Owner's name withheld. The building will be erected on Sacramento street near Taylor, and has been designed to contain seven apartments of three and four rooms each. Interiors will be finished in pine with some elm panels and some hardwood floors. Each apartment will have wall beds and private baths. Bath rooms will be finished in tile with composition floors. There will be steam heat and a hot water supply. Marble and tile wainscot will be used in the vestibule. Exterior of the building will be faced with cement plaster on metal lath. Plans are complete and figures are being taken.

SAN FRANCISCO—Apartment house, 3 story and base, frame, \$10,000. Architect, Charles J. Rousseau, 46 Kearny street, S. F. Owner, Mr. Chadbourne. The building will be erected on the west side of Treat avenue north of 22nd street, and has been designed to contain six apartments of three and bath each. Interior will be finished in pine and some elm panels and hardwood floors. Each apartment will have wall beds and private bath. Tile wainscot and composition floors will be used

in the bath rooms. There will be steam heat and a hot water supply. Exterior of the building will be faced with cement plaster on metal lath. Plans are complete and figures are now being taken.

BERKELEY, ALAMEDA CO., CAL.—Apartment house, 3 story and base, brick and steel, \$22,000. Architect, Clay N. Burrell, Albany Block, Oakland. Owner's name withheld. The building will be erected on Shattuck avenue, having a frontage of 80 feet by a depth of 90 feet. The first floor has been designed to contain three modern stores besides the entrance to the apartments above. Upper two floors will contain a total of 16 suites of two and three rooms. Each apartment will have private baths and wall beds. Interior will be finished in pine with some elm panels and hardwood floors. There will be steam heat and a hot water supply. Patent store fronts will be used in the first floor. Baths will have tile wainscot and composition floors. Exterior of the building will be faced with pressed brick trimmed with terra cotta. Plans are now being prepared.

BERKELEY, ALAMEDA CO., CAL.—Apartment house, 3 story and base, frame. Cost not stated. Architect, W. L. Schmolle, 166 Geary street, S. F. Owner, Mrs. L. Dabney. The building will be erected at the southeast corner of College avenue and Derby streets, Berkeley, and has been designed to contain three stores on the first floor with a number of two and three room suites on the upper two floors. Each apartment will have wall beds and private bath rooms. Bath rooms will be finished in tile with composition floors. Interior trim will be of pine and redwood with some elm panels. There will be steam heat and a hot water supply. Exterior of the building will be covered with cement plaster on metal lath. Plans are complete and figures are being taken.

OAKLAND, CAL.—Apartment house, 2 story and base, frame, \$15,000. Architects, Bonte & L'Hommedieu, Syndicate Bldg., Oakland. Owner, Elizabeth C. Castle. The building will be erected at the corner of Perkins and Van Buren streets, and has been designed to contain ten apartments of three rooms each. Interior will be finished in pine and redwood with some elm panels. Hardwood floors will be used in the living and dining rooms. Plans provide for steam heat and a hot water system. All apartments will have private baths and wall beds. Bath rooms will be finished in tile wainscot and composition floors. Exterior of the building will be covered with cement plaster on metal lath. Plans are complete and figures are now being taken by the architects.

SAN FRANCISCO—Apartment house, 3 story and base, frame, \$16,000. Architects, Rousseau & Rousseau, 110 Sutter street, S. F. Owner's name withheld. The building will be erected

at the northwest corner of Union and Baker streets, and has been designed to contain five large apartments, ranging from four to seven rooms. Interiors will be finished in pine and hardwood with some white enamel in the bed rooms. There will be furnace heat and open fire places. Mantels will be of tile. Hardwood floors will be used throughout. All suites will have wall beds and private bath rooms, which will be finished in tile. Marble wainscot will be used in the entrance. Exterior of the building will be covered with cement plaster on metal lath. Plans are now being prepared.

LOS ANGELES, CAL.—Apartment house, 2 and 5 story and base, reinforced concrete. Cost not stated. Architect, Arthur Benton, 114 North Spring street, L. A. Owner, O. T. Johnson. The building will be erected on Bolsa street near Crown, covering an area of approximately 50 by 100 feet. There will be a total of 50 suites, arranged in two and three room apartments. Interior will be finished in pine and hardwood with hardwood floors in the living and dining rooms. Plans provide for steam heat, elevator service, vacuum cleaning and a hot water system. Bath rooms will be finished in tile. Walls beds are specified. Exterior of the building will be faced with cement plaster. Plans are nearly complete and figures will be called for shortly.

Contracts Awarded.

SAN FRANCISCO—Apartment house, 3 story and base, frame, \$12,500. Architect, C. O. Clausen, Hearst Bldg., S. F. Owner, Mary Stein. Contractors, Ratto & Ratto, 232 Hartford street, S. F. Contract price, \$12,500.

BANKS

SACRAMENTO, CAL.—Bank and offices, 7 story and base, Class A construction. Cost not stated. Architect, R. A. Herold, Forum Bldg., Sacramento. Owners, Capital National Bank. The building will be erected at the southeast corner of 7th and J streets, covering an area of 80 by 86 feet. The entire first floor, a mezzanine floor and basement will be fitted up for the bank. Upper floors will be arranged for modern offices both single and en suite. There will be a complete steel frame, brick and concrete walls. Exterior will be faced with pressed brick and terra cotta. Interior will be finished in hardwood and metal. Tile floors and wainscot are specified. Metal window sash and frames will be used. There will be steam heat, elevator service and vacuum cleaning. Plans are complete and segregated figures will be called for at once.

BONDS.

VENTURA, VENTURA CO., CAL.—The good roads committee of fifteen, named last winter in co-operation with the County Supervisors, have worked

out plans for the proposed bond election for a system of good roads and bridges throughout the county. A recommendation calling for the issue has been filed with the Supervisors.

The report of the County Surveyor shows the required amount of work in the building of bridges and roads as follows:

Sespe bridge, \$29,300; Santa Paula canyon bridge, on new right of way, west side of creek, \$21,018; Santa Paula creek bridge, at Santa Paula, \$5,000; Limoneira bridge, at mouth of Wheeler canyon, \$3,000; Aliso canyon bridge, across Ellsworth barranca, \$3,500; Satiqoy bridge, \$56,340; Calleguas bridge, on State Highway, \$8,400; Ventura River bridge, refill at east end and replace pile trestle west end, \$450; Casitas bridge and raising the approaches, \$14,500; bridge across Ventura River at Hollingsworth's, \$50,000; bridge across Coyote creek in Foster Park, \$8,000; bridge across San Antonia creek, above No. 1, \$15,000; Bardsdale bridge, paving and protection work, \$4,380.

The road grading estimates in the report are:

New Santa Susana grade, \$26,525; Moorpark-Simi road via the creek, \$7,500; Telegraph road, between Santa Paula and Fillmore, \$1,850; two miles east of Camulos, \$15,150; three and one-half miles east of Camulos, \$1,700; Santa Ana road, from high bridge to present road, 14-foot road bed, \$15,600; 20-foot roadbed \$22,000; "High Line" road, from Foster Park to head of grade, three miles, \$29,273.

The bonding proposition is now in tangible shape and an election will be called at an early date.

GALT, SACRAMENTO CO., CAL.—On Saturday, April 10th, the voters of the Galt school district will decide on the question of issuing and selling bonds of \$17,000 for the purpose of erecting a new school building.

The building, if the bonds carry, will be erected on a site covering an entire block, bounded by Fifth and Sixth, E and F streets.

PALO ALTO, SANTA CLARA CO., CAL.—Bonds in the sum of \$40,000 were voted here recently by a vote of over five to one. The total number of votes cast was 531, and of these 420 were in favor of the issue and 80 against.

The proceeds of the sale of the bonds will be used in the purchase of water and sewer pipes and street improvements.

AUBURN, PLACER CO., CAL.—The City Trustees, it is announced, will, at their next meeting, pass resolutions calling for an election to bond the city for \$25,000, to be used in extending the present sewer system and purchasing a fire truck and installing a signal system for the Fire Department.

In the plan to extend the sewers, the installation of a septic tank is proposed.

SAN BERNARDINO, SAN BERNARDINO CO., CAL.—Petitions signed by high school pupils have been filed with the Board of Education, asking that board to call a special election for the purpose of submitting the question of issuing and selling bonds of \$25,000 for the purpose of completing the high school building. The matter will be taken up at once.

MARIAN SCHOOL DISTRICT, LOS ANGELES CO., CAL.—The Board of Supervisors will receive bids up to 1 p. m. April 12th, for the purchase of bonds of \$55,000 of the Marian School District. The proceeds of the sale of these bonds will be used in the construction of a school building for the district. Further information may be had from H. J. LeLande, the County Clerk.

LOS ANGELES, CAL.—The Library Board has decided to secure, if possible, a bond issue in 1916 for the purpose of raising funds to erect a new library building on the block bounded by Fifth, Sixth and Olive streets and Grand avenue.

CHINO, SAN BERNARDINO CO., CAL.—The City Council, directors of the Chamber of Commerce and the citizens at large have unanimously decided to bond the city of Chino for sufficient money to concrete Chino avenue and Riverside drive from the eastern to the western limits of the town. The estimated cost of the work is \$40,000. It is also proposed to vote \$50,000 at an early date for the construction of a sewer system.

MARYSVILLE, YUBA CO., CAL.—The City Council has decided to call a bond election for the purpose of voting \$18,000 worth of improvement bonds.

The proceeds from the sale will be used in extending sewers and making other improvements in the Ellis Lake District. The bonds will be taken up by banks in Marysville.

DUNSMUIR, SISKIYOU CO., CAL.—At a mass meeting recently held the citizens decided by a unanimous vote to bond the city for \$25,000 for a permanent roadway through the city on the route of the State Highway.

CARSON VALLEY, NEVADA.—It is proposed to issue \$300,000 in bonds to provide for an irrigation project in the Carson Valley. The land to be irrigated includes 17,000 acres of new land and 17,000 acres of cultivated land, the work to be done in conjunction with the United States Government.

FRESNO, FRESNO CO., CAL.—The County Supervisors will receive bids until 2 p. m. April 6th for the purchase of \$40,000 school bonds of the Kingsburg Joint Union High School District.

When sold the proceeds of the bonds will be used in the construction of a school building.

SUSANVILLE, LASSEN CO., CAL.—An irrigation district is to be formed in Lassen County under the State laws and bonds will be issued in the sum of \$3,500,000 for the purpose of constructing the system.

OREGON CITY, ORE.—The bid of Sweet, Causey & Foster Co., of Denver, of 95.56 on the Oregon City water bonds to build the South Fork pipe line has been accepted by the South Fork Water Commission.

Two hundred thousand dollars of the \$375,000 issue must be taken within thirty days and the rest at the order of the city. The Denver firm also seeks the \$12,000 issue of elevator bonds at the same figure.

SAN FRANCISCO, CAL.—Registrar Zemansky has distributed sample ballots and literature for the Spring Valley water purchase to be voted on April 20th. Arguments in favor and against the proposed purchase accompany each sample ballot.

The gross annual income of Spring Valley, it is pointed out in a report compiled by the San Francisco Real Estate Board and the City Engineer is about \$3,500,000, or sufficient to pay all operating expenses, interest on bonds, and leave a profit of \$10,018,070 at the end of ten years.

Independent development of Hetch Hetchy, it is argued, will provide no income for ten years, except from electrical power, and it will be necessary during that period to raise \$12,262,500 for interest and \$5,000,000 for redemption of bonds. This will necessitate a tax increase during the ten years of at least 20 cents on the dollar, which could be avoided by the acquisition of Spring Valley.

The cost of Hetch Hetchy without Spring Valley is estimated at \$66,762,500 during the next ten years. With Spring Valley, including the Calaveras dam construction and extensions, less the estimated profits, the cost is placed at \$48,006,930, or a net gain with Spring Valley of \$18,755,570.

CALIPATRIA SCHOOL DISTRICT, LOS ANGELES CO., CAL.—The Calipatria School District has voted bonds of \$40,000 with which to raise funds to construct a new school building. The building will be designed to contain eight rooms and a large auditorium.

ROSEVILLE, PLACER CO., CAL.—Bonds in the sum of \$10,000 will be voted in the Roseville School District on April 27th. The proceeds of the sale of the bonds, should the issue carry, will be used in making alterations to the present school building and purchasing additional equipment. M. B. Johnson and R. E. Noble are members of the Board of Trustees of the District.

SAN BERNARDINO, SAN BERNARDINO CO., CAL.—The new high school district in Victor Valley has been formed by a vote of 285 to 17. The district was formed for the purpose of securing a new union high school in Victor Valley.

SAUSALITO, MARIN CO., CAL.—At a recent meeting of the Town Trustees the State Board of Control purchased the remainder of the \$100,000 street improvement bond issue, amounting to \$70,000. The State purchased \$30,000 worth of the bonds some time ago.

The proceeds of the sale of the bonds will be used in making improvements in Sausalito.

POCATELLO, IDAHO.—A bond election held recently for \$70,000 to erect a new high school carried by a large majority. Plans for the building will be ordered immediately.

TUCSON, ARIZONA.—Bonds in the sum of \$239,000 for municipal improvements have been sold by the City Council to Fields, Richards & Co., of Cincinnati.

FRESNO, FRESNO CO., CAL.—Many important improvements are planned by the Mt. Whitney Power and Electric Company under an issue of \$238,000 of 6 per cent bonds, authority for which was granted recently by the State Railroad Commission. The plans contemplate the expenditure of \$86,964 in main-line extensions, \$83,858 for distribution lines and sub-stations, \$76,400 for the completion of a steam plant, \$25,967 on the three Kaweah power plans and \$15,686 for miscellaneous additions.

CHOWCHILLA, MADERA CO., CAL.—An election will be called here for the purpose of forming a new grammar and high school district. It is proposed to erect a modern high school and grammar grade facilities in the new district. Clay Cunningham is superintendent of Madera County schools.

SANTA YNEZ, SANTA BARBARA CO., CAL.—A special election will be held in the Santa Ynez School District, Santa Barbara County, on April 17th to vote bonds in the sum of \$5,500 for the erection of a school building.

BRIDGES, DAMS AND HARBOR WORK.

HOLTVILLE, IMPERIAL CO., CAL.—Bridge, reinforced concrete, \$7,500. Engineer, City Engineer, Holtville. Owners, City of Holtville. Bids opened by the City Council for the construction of a bridge over the Alamo River at Sixth street were as follows: Howland Construction Co., San Diego, \$7,500; Messereau Bridge Construction Co., \$8,775; Perry L. Hedrick, \$9,375. The Bid of the Howland Construction Co. is now being considered by the Board, which will probably make an award at their next meeting.

SACRAMENTO, CAL.—Wharf shed additions, timber construction, \$3,175. Engineer, City Engineer, Sacramento. Owners, City of Sacramento. Seven bids were opened by the City Commission for the addition and alterations to be made to the city wharf shed. The bids received are as follows: Joseph W. Rowell, \$3,789; Mathews Construction Co., \$3,724; Murcell & Haley, \$3,936; John N. E. Morrill, \$4,494; John A. Silva, \$3,176; Ross Construction Co., \$3,687; Siller Bros., \$4,089. All bids were referred to City Commissioner Coulter, who will report at the next meeting, when an award will be made.

SAN FRANCISCO—Bridge repairs, steel and reinforced concrete. Cost not stated. Engineer, City Engineer, Temporary City Hall, S. F. Owners, City and County of San Francisco. Plans and specifications for repairs to the bascule bridge at Third and Channell streets have been completed. Bids are now being taken and will be opened on the 7th of April. Plans and specifications can be secured from the City Engineer's office. Bids will be opened by the Board of Public Works.

CHURCHES

ASTORIA, ORE.—Mausoleum, reinforced concrete, \$30,000. Architects, Ellis F. Lawrence and W. G. Holford, Chamber of Commerce Bldg., Portland. Owners, name not given. The structure has been designed in the classic style and will contain 250 crypts, and will be finished in marble, ornamental bronze and art glass. Exterior will be faced with granite. Plans are now being prepared.

COURT HOUSES.

OAKLAND, CAL.—City Hall exterior and interior lighting equipment. Cost not stated. Architects, Palmer & Hornbostel. Owners, City of Oakland. Bids opened for the exterior lighting equipment and interior lighting fixtures show the following firms low: Exterior lighting equipment, proposition No. 1, H. S. Tittle, \$5,550; proposition

No. 2, The English Co., \$6,700. Interior lighting fixtures, Maxwell Hardware Co., \$940. Bids were referred to the City Attorney and Public Buildings Committee for further action.

Contracts Awarded.

SAN FRANCISCO City Hall ornamental iron and bronze, \$100,000. Architects, Bakewell & Brown, 251 Kearny street, S. F. Owners, City and County of San Francisco. Contractors, Rudgear-Merle Co., S. F. Contract price, \$98,850.

FACTORIES AND WAREHOUSES

OAKLAND, CAL.—Factory, 4 story and base, reinforced concrete, \$125,000. Architects, Hobart & Cheney, Crocker Bldg., S. F. Owners, Shredded Wheat Biscuit Co., S. F. Plans for the four-story reinforced concrete factory building, which is to be erected in Oakland by the Shredded Wheat Biscuit Co. have been called in by the architects. Revisions in the floor space arrangements and other minor changes will be made. Revised plans will be out again in about two weeks.

SAN FRANCISCO—Brewery, 4 and 5 story and base, reinforced concrete, \$450,000. Architect, Carl Siebrand, Arcade Bldg., Seattle. Owners, Rainier Brewing and Malting Co., represented in San Francisco by John Rapp & Son, 1500 Bryant street. Plans for the big new brewing plant to be erected in the Potrero District have been completed and are now in the hands of the San Francisco representatives for figures. A large number of local contractors are figuring the work. Construction will be fireproof with exterior walls, floors and roof slabs of reinforced concrete. Exterior will be faced with cement plaster. The successful contractor will be allowed but four months in which to complete the work.

LOS ANGELES, CAL.—Warehouse, 4 story and base, reinforced concrete. Cost not stated. Architect, Albert C. Martin, Higgins Bldg., L. A. Owner, August Wolfarth. The building will be erected on West Pico street near Normandie, and will cover an area of 50 by 130 feet. Construction will be fireproof. Interior will be finished in pine. There will be metal window sash and frames, gravity carriers and elevator service. Exterior of the building will be faced with cement plaster. Plans are complete and figures are now being taken.

FIREHOUSES AND JAILS

SAN FRANCISCO—Engine house, 2 story and base. Class C construction. Cost not stated. Architects, Ward & Blohme, Alaska Commercial Bldg., S. F. Owners, City and County of San Francisco. Plans have been completed for the construction of Engine House No. 12, which is to be erected at the corner of Drumm and Commercial streets. The building will contain space for two pieces of apparatus on the first floor and living quarters for the men on the upper floor. Construction will be of steel and brick with the exterior faced with pressed brick and trimmed with terra cotta. Interior will be finished in pine. There will be steam heat and a hot water system and shower baths. Special electric work is specified. Separate bids are

being taken for the general construction and for furnishing and installing lighting fixtures. Plans are complete and in the hands of the Board of Public Works. Bids will be opened on April 7th. Plans and specifications can be obtained from the City Department of Architecture, Temporary City Hall Building.

SAN FRANCISCO—City jail elevator work, \$5,650. Architects, City Department of Architecture, Temporary City Hall, S. F. Owners, City and County of San Francisco. The lowest bid received by the Board of Public Works for furnishing and installing elevators in the new City Jail was received from the Otis Elevator Co. at \$5,650. They will probably be awarded the contract.

FLATS.

SAN FRANCISCO—Flats, 2 story and base, frame. Cost not stated. Architect, Arthur J. Laib, Russ Bldg., S. F. Owner's name withheld. This building will be erected in the rear of the property on Sacramento street near Taylor, and has been designed to contain two flats of five and six rooms each. Interior will be finished in pine and redwood with hardwood floors in the principal rooms. There will be open fire places and tile or brick mantels. Imitation tile wainscot will be used in the bath rooms. Automatic water heaters will be installed. Exterior will be covered with rustic and cement plaster on metal lath. Plans are complete and figures are now being taken.

SAN FRANCISCO—Flats, 2 story and base, frame, \$4,000. Architect, none. Owner, P. Algot Nelson, 433 19th street, S. F. The building will be erected on the east side of Third avenue north of Balboa, and has been designed to contain two flats of five and six rooms each. The building will cover an area of 24 by 58 feet. Interior finish will be of pine and redwood with some hardwood floors. There will be open fire places with tile or brick mantels. Tile wainscot will be used in the bath rooms and kitchens. An automatic water heater will be installed. Exterior of the building will be covered with cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor.

SAN FRANCISCO—Flats, 2 story and base, frame, \$3,000. Architect, none. Owner, E. Coleman, 5516 Geary street, S. F. The building will be erected on the south side of Geary street east of 19th avenue, covering an area of 22 by 35 feet. There will be two flats of five rooms each. Interiors will be finished in pine and redwood with some hardwood veneer. Hardwood floors will be used in the living and dining rooms. There will be open fire places and tile or brick mantels. Bath rooms will be finished in tile. Automatic water heaters are specified. Exterior of the building will be covered with rustic and cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor.

GARAGES

OAKLAND, CAL.—Garage, 1 story and base, frame, \$13,000. Architect, Walter D. Reed, Oakland Bank of Savings Bldg., Oakland. Owner, Walter

Arnstein. The building will be erected at the gore corner of 28th and Webster streets, and will cover a considerable ground area. The entire space will be arranged for storage purposes. There will be a cement floor. No interior trim is specified. Special gasoline storage tanks are included in the work. The exterior of the building will be covered with cement plaster on metal lath. Plans are complete and figures will be taken in about two weeks.

VALLEJO, SOLANO CO., CAL.—Garage additions, 2 story and mezzanine floor, reinforced concrete and steel, \$8,000. Architect, L. M. Turton, Napa. Owner, Mrs. M. Mathews, Georgia street, Vallejo. A two-story and mezzanine floor addition will be constructed to the building known as the Central Garage. The work will include reinforcing steel, cement floors, metal window sash and frames, special gasoline storage tanks. A portion of the new addition will be used for offices. Interior of the office portion will be finished in pine. Exterior of the building will be faced with cement plaster. Plans are now being prepared.

GOVERNMENT WORK & SUPPLIES.

Bozeman, Mont., Post Office.

As previously reported, the contract for the construction, complete, of the U. S. post office at Bozeman, Mont., was awarded to Olson & Johnson, Missoula, Mont., at \$62,575. In the construction of the building fixtures and material manufactured by the following firms will be used: Plumbing fixtures, Crane Co.; cast iron column radiators, American Radiator Co.; wall radiators, do; nonconducting coverings, Philip Carey Co.; damper regulator, American Radiator Co.; cabinet and tablet, Frank Adam Electric Co.; conduit, Western Conduit Co.; rubber-covered wire, American Steel & Wire Co.; push-button switches, Arrow Electric Co.; lighting fixtures, Gas Fixture & Brass Co.; pendant switches, General Electric Co.; canopy switches, Cutler-Hammer Mfg. Co.; keyless sockets, Weber; reflectors and glassware, Macbeth-Evans Glass Co.; radiator valves, Crane Co.; radiator air valves, American Radiator Co.; air valves for steam mains, Jenkins Bros.

Tender Sequoia, Repairs.

The following bids were received by the light-house inspector, 18th district, San Francisco, Cal., for docking and repairing light-house tender Sequoia: Moors & Scott Iron Works, San Francisco, Cal., \$1,274.

Main Street Iron Works, San Francisco, Cal., \$1,561.50.

United Engineering Works, San Francisco, Cal., \$1,251.50; accepted.

Mare Island Navy Yary, \$1,250; if Norfolk paint is used, \$1,210.

Radio Tower, Foundation.

The concrete foundation for three 600-foot steel radio towers at Pearl Harbor, Hawaii, will be constructed by the Spaulding Construction Co., Rialto Building, San Francisco, Cal., for the sum of \$8,187.

Salt Lake City, Utah, Lighting Fixtures.

The contract for furnishing furniture lighting fixtures in the U. S. post office, Salt Lake City, Utah, has been

awarded to Inter-Mountain Electric Co., at \$418; amount additional for conduit and wiring, \$167.

Tender Kukui, Iron Grate Bars.

The following bids were received by the light-house inspector, 18th district, San Francisco, Cal., for iron grate bars for main boilers of tender Kukui:

Mission Foundry and Stove Works, 3.5c lb.

Enterprise Foundry Co., 3c lb.

Joshua Hendy Iron Works, \$100, total.

Steiger & Kerr Stove and Foundry Co., \$86.25.

P. David Co., San Francisco, Cal., 4c lb; accepted.

Reclamation Service, Laterals.

The Secretary of the Interior has authorized the Reclamation Service to execute contract with the Spanish Fork Grading Co., of Spanish Fork, Utah, for the construction of laterals 32 and 33, Strawberry Valley irrigation project, Utah. The contract price is \$22,196.25. The work involves the excavation of 12,800 cubic yards of material and the placing of 2,100 cubic yards of reinforced concrete.

Everett, Wash., Plaster Models.

The following bids were received by the supervising architect, Treasury Department, Washington, D. C., for furnishing plaster models for the U. S. post office at Everett, Wash.:

E. C. Balrstow, Washington, D. C., \$550.

Emil Jung, Washington, D. C., \$720.

C. W. Buhler, Washington, D. C., \$728.

Lombard & Ludwig, Washington, D. C., \$610.

J. Brys & F. Bruyninck Co., Washington, D. C., \$805.

Olympia, Wash., Vault Shelving.

The following bids were received by the supervising architect, Treasury Department, Washington, D. C., for installing metal vault shelving in the U. S. post office at Olympia, Wash.:

The Steel Fixture Mfg. Co., Topeka, Kans., \$1,081.

The General Fireproofing Co., Washington, D. C., \$1,088.06.

The Canton Art Metal Co., Canton, Ohio, \$1,097.

The Van Dorn Iron Works Co., Cleveland, Ohio, \$1,100.

Watson Mfg. Co., Jamestown, N. Y., \$1,161.

The Berger Mfg. Co., Canton, Ohio, \$1,181.

Crown Metal Construction Co., Jamestown, N. Y., \$1,186.

The Keyless Lock Co., Indianapolis, Ind., \$1,330.

Everett, Wash., Construction.

The following bids were received by the supervising architect, Treasury Department, Washington, D. C., for the construction, including plumbing, gas piping, heating apparatus, electric conduits and wiring, interior lighting fixtures, and approaches, of the U. S. post office at Everett, Wash.:

Bid 1. Olson & Johnson Co., Missoula, Mont.

2. Sound Construction & Engineering Co., 1007 Lowman Building, Seattle, Wash.

3. Henrickson & Co., 310 Alaska Building, Seattle, Wash.

4. Erickson & Larson, 5011 Meridian avenue, Seattle, Wash.

5. Campbell Building Co. of Utah, Salt Lake City, Utah.

6. M. Yeager & Son, Danville, Ill.

7. Butler Contracting Co., 527 Central Building, Seattle, Wash.

8. J. B. Sweatt, 406 Rookery Building, Spokane, Wash.

9. Pearson Construction Co., New York Building, Seattle, Wash.

10. Martin & Dugan, Northern Bank Building, Seattle, Wash.

11. William H. Maxwell, Bangor, Me.

12. McAdam Bros., 33rd street and Vernon avenue, Everett, Wash.

13. J. P. Cullen Construction Co., Janesville, Wis.

14. King Lumber Co., Charlottesville, Va.

Proposal No. 1 (using a light-colored limestone for all exterior stonework, except where granite is required)—Bid 1, \$105,500; 2, \$112,517; 3, \$114,344; 4, \$115,138; 5, \$117,500; 6, \$118,569; 7, \$119,900; 8, \$126,453; 9, \$128,200; 10, \$132,900; 11, \$133,381; 12, \$136,970; 13, \$139,961; 14, \$163,800.

Proposal No. 2 (using a local sandstone produced in the State of Washington for all exterior stonework, except where granite is required)—Bid 1, \$106,650; 2, \$112,017; 3, \$109,344; 4, \$114,487; 5, \$117,500; 6, \$117,957; 7, \$119,200; 8, \$126,089; 9, \$127,600; 10, \$132,500; 11, \$137,881; 12, \$136,400; 13, \$140,961; 14, \$159,400.

Proposal No. 3 (using a light-colored sandstone, excluding sandstone produced in the State of Washington, for all exterior stonework, except where granite is required)—Bid 1, \$106,300; 2, \$123,500; 3, \$111,319; 4, \$114,886; 6, \$125,569; 7, \$129,100; 8, \$125,953; 10, \$137,500; 12, \$137,045; 14, \$170,000.

Proposal No. 4 (using granite for all exterior stonework, the building to be granite faced, except where brick is indicated on the drawings)—Bid 1, \$129,875; 2, \$134,500 for Baring, \$137,132 for Chelan; 3, \$127,314; 4, \$137,325; 5, \$141,700; 6, \$137,381; 7, \$139,500; 8, \$150,683; 9, \$154,100; 10, \$157,500; 11, \$154,381; 12, \$159,695; 13, \$179,598; 14, \$189,000.

For alternate No. 1 (for painting all plaster walls of finished rooms throughout the building and finishing ceilings in distemper, as specified)—Bid 1, \$1,850; 2, \$2,200; 3, \$200; 4, \$1,600; 5, \$2,800; 6, \$1,700; 7, \$1,380; 8, \$3,000; 9, \$1,700; 10, \$1,700; 11, \$2,400; 12, \$1,000; 13, \$3,316; 14, \$2,500.

For alternate No. 2 (for constructing the superintendent's office as shown on drawing No. M-356, as specified)—Bid 1, \$365; 2, \$500; 3, \$200; 4, \$450; 5, \$700; 6, \$600; 7, \$350; 8, \$850; 9, \$777; 10, \$450; 11, \$480; 12, \$485; 13, \$1,000; 14, \$500.

Amount included in the proposal for furnishing and installing of all interior lighting fixtures—Bid 1, \$1,100; 3, \$1,646; 4, \$1,646.70; 5, \$1,011; 6, \$1,000; 7, \$1,100; 8, \$1,200; 9, \$1,300; 10, \$1,200; 11, \$1,500; 12, \$1,200; 13, \$1,250; 14, \$3,000.

Lander, Wyo., Painting.

The following bids were received by the custodian, U. S. post office, Lander, Wyo., recently for painting plastering and woodwork at Lander, Wyo.:

Fairfax Bros., Geneva, N. Y., \$1,000.

Grohne Contracting Co., Joliet, Ill., \$1,242.

George E. Dugan Wall Paper, Paint

& Glass Co., Sedalia, Mo., \$1,255.

M. J. Graham, Philadelphia, Pa., \$1,429.

J. P. Sullivan, Chicago, Ill., \$1,271.

Theodore Laurence, Kansas City, Mo., \$1,800.

J. H. Watson, Lander, Wyo., \$2,299.

Los Angeles, Cal., Changes, Etc.

The contract for miscellaneous changes, etc., in the U. S. post office at Los Angeles, Cal., has been awarded to August Erickson at \$1,200.

Indian Service, Building.

The following bids were received by the commission of Indian Affairs, Washington, D. C., for constructing three combination day school buildings at San Xavier School, Ariz.:

F. J. Odermatt Co., Tucson, Ariz., \$14,126 for each building; 210 days.

J. W. Tucker, Phoenix, Ariz., total, \$32,500; 110 days.

W. D. Lovell, Minneapolis, Minn., \$41,500; 240 days.

C. H. Odum, Phoenix, Ariz., \$22,100; 180 days.

Chute & Heller, Tucson, Ariz., \$14,000 for each building; 160 days.

High Line Canal.

The following is a schedule of the bids received at the office of the U. S. Reclamation Service, Provo, Utah, for the division 6, High Line Canal, Strawberry Valley project:

Spanish Fork Grading Co., Spanish Fork, Utah, \$22,196.25.

Ryberg Bros., Logan, Utah, \$22,615.63.

Lewis J. Whitney, Springville, Utah, \$22,795.10.

Heuser & Sim, Salt Lake City, Utah, \$24,358.

O. L. Hedenberg, Wm. F. Olsen, and A. T. Gee, Provo, Utah, \$24,378.50.

Wasath Grading Co., Salt Lake City, Utah, \$24,797.75.

H. G. Gilkerson, Salt Lake City, Utah, \$25,431.75.

Messmer & Rice, Los Angeles, Cal., \$28,082.50.

Pumping Unit, Yakima Project.

The contract for furnishing geared pumping unit for Sunnyside unit Yakima project, has been awarded to Henry R. Worthington, of Los Angeles, Cal., at \$515.

Hillcrest, Pumping Unit.

The following bids were received by the U. S. Reclamation Service, Los Angeles, Cal., for direct pumping unit, Hillcrest plant, Snipes Mountain irrigation district, Yakima project, Wash.:

S. Morgan Smith Co., York, Pa., item 1, \$2,124 or \$2,340; delivered turbine at York, Pa., pump at Berkeley, Cal., time 60 days.

Pelton Water Wheel Co., 19th and Harrison streets, San Francisco, Cal., San Francisco delivery, item 1, \$2,550 or \$3,008.46; time 60 days.

Platt Iron Works Co., Dayton, Ohio, Dayton delivery, item 1-A, \$1,550 or \$1,300 f. o. b., or \$1,684.28 and \$1,423.84 delivered.

United Iron Works, 2nd and Jefferson streets, Oakland, Cal., delivery point, Oakland; item 1-A, \$1,600 or \$1,630.17; 70 days.

Louren Automatic Pump Co., Eau Claire, Wis., f. o. b. Eau Claire, item 1-A, \$2,120.

Butte, Mont., Painting.

The following bids were received by the custodian, U. S. post office, Butte, Mont., recently for exterior painting at the U. S. post office at Butte, Mont.:

Ellis Paint Co., Butte, Mont., \$466.75; 30 days.

Barker Paint Co., Butte, Mont., \$350; 10 days.

I-Beam Trolley.

The following bids were received by the U. S. Reclamation Service, Los Angeles, Cal., for an I-beam trolley for Snipes Mountain pumping plant, Yakima project, Wash.:

Wright Mfg. Co., Lisbon, Ohio, \$23.50; delivery Lisbon, Ohio., 5 days.

Maris Bros., Philadelphia, Pa., \$27.60; Philadelphia, Pa., 2 days.

Reading Crane Hoist Works, Reading, Pa., \$29; Reading, Pa., 2 days.

Harron, Rickard & McCone, Los Angeles, Cal., \$29.35; Philadelphia, Pa., 7 days.

New Jersey Foundry & Machine Co., New York City, \$30; Garwood, N. J., 5 days.

Manning, Maxwell & Moore, Inc., San Francisco, Cal., \$31.05; Philadelphia, Pa., 1 day.

Western Engineering Sales Co., Los Angeles, Cal., \$35; St. Louis, Mo., 2 days.

Union Hardware and Metal Co., Los Angeles, Cal., \$52, San Francisco, Cal., 4 days.

H. Channon Co., Chicago, Ill., \$52; Chicago, Ill., 1 day.

The Brown Hoisting Machinery Co., Cleveland, Ohio, \$52; Cleveland, Ohio, 3 days.

Yakima Project, Pumping Unit.

The following bids were received by the U. S. Reclamation Service, Los Angeles, Cal., for general pumping unit for Sunnyside unit, Yakima project:

United Iron Works, Oakland, Cal., \$315; 21 days, at Oakland.

Henry R. Worthington, 224 E. 2nd street, Los Angeles, Cal., \$515; at San Francisco, 21 days.

Platt Iron Works, Rialto Building, San Francisco, Cal., \$795; at San Francisco, \$75 days.

Minidoka Project, Pump.

The following bids were received at the office of the U. S. Reclamation Service, Los Angeles, Cal., for furnishing centrifugal pump for the Minidoka project:

Jackson-Church pump Works, 950 N. Main street, Los Angeles, Cal., item 1-A, \$515; at Los Angeles, 30 days.

A. S. Cameron Steam Pump Works, 1036 Union Oil Building, Los Angeles, Cal., item 1, \$535; at Phillipsburg, N. J., 21 days.

Krough Mfg., Co., Los Angeles, Cal., item 1, 655.46; at San Francisco, 35 days.

Smith-Booth-Usher Co., 228 Central avenue, Los Angeles, Cal., item 1, \$662.10; at Battle Creek, Mich., 35 days.

Byron-Jackson Iron Works, Los Angeles, Cal., item 1, \$690; at West Berkeley, Cal., 25 days.

The Hill-Tripp Pump Co., Anderson, Ind., item 1-A, \$880; at Anderson, 14 days.

Henry R. Worthington, 224 E. 2nd street, Los Angeles, Cal., item 1-A, \$925; at Harrison, N. J., 60 days.

Pelton Water Wheel Co., 19th and Harrison streets, San Francisco, Cal.,

item 1, \$1,218, 30 days; alternate A, \$1,256; alternate B, \$1,226; alternate C, \$1,265; all deliveries San Francisco.

Item 1 is for horizontal centrifugal pump, geared to an induction motor, and item 1-A for a screw pump direct-connected to an induction motor of manufacturer's own design.

San Francisco, Cal., Roadway.

The contract for the completion of the roadway at the U. S. Marine Hospital, San Francisco, Cal., has been awarded to J. P. Holland, 550 3rd street, San Francisco, Cal., at \$3,900; time to complete 28 days.

HOTELS.

MARTINEZ, CONTRA COSTA CO., CAL.—Hotel and stores, 2 story and base, brick. Cost not stated. Architect, none. Owner, J. A. Kelly, Martinez. The building will be erected on main street west of Ferry, and has been designed for three stores on the first floor and a number of single rooms on the upper floor. Interior will be finished in pine and redwood. Patent store fronts are specified. There will be a hot water supply. Bath rooms will have tile wainscot and composition floors. Exterior of the building will be faced with pressed brick. Plans are complete and in the hands of the owner who is now taking figures on the work. Bids will be opened on April 10th.

LIBRARIES

EXETER, TULARE CO., CAL.—Library, 1 story and base, concrete and brick, \$10,000. Architects, Bowen & Davis, Griffith-McKenzie Bldg., Fresno. Owners, City of Exeter. Plans for this building were formerly out for figures, but had been called in, the plans revised, and new figures are now being taken. The building will contain one large reading room, office for the librarian, stack room and toilet rooms. Interior finish will be of pine with a maple floor. There will be a central heating system, probably warm air, with oil burning equipment. Metal book stacks are specified. Exterior of the building will be faced with cement plaster. Bids are to be opened on April 14th. Plans and specifications can be obtained from the architects.

RAILROAD CONSTRUCTION AND EQUIPMENT.

SAN FRANCISCO — Underground electrical conductors. Cost not stated. Engineer, City Engineer, Temporary City Hall, S. F. Owners, City and County of San Francisco. Plans and specifications have been completed for furnishing and installing underground electrical conductors for the Geary Street Municipal Railroad. Plans are now being figured and bids will be opened by the Board of Public Works on April 7th. Plans and specifications can be secured from the City Engineer's office, Temporary City Hall.

RESIDENCES.

* SAN FRANCISCO — Residence, 3 story and base, frame, \$5,000. Architect, E. Bolles, 660 Market street, S. F. Owners, S. A. Born Building Co., 660 Mar-

ket street, S. F. The dwelling will be erected on lot 7 in Ashbury Terrace, and will cover an area of 25 by 41 feet. The dwelling has been designed to contain seven rooms and bath with two sleeping porches. Interior finish will be of pine and redwood with some hardwood veneer and white enamel in the bed rooms. Hardwood floors will be used in the living and dining rooms and reception hall. There will be furnace heat and open fire places. Mantels will be of tile and brick. Tile wainscot and floor will be used in the bath room. A hot water circulating system is specified. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are complete and in the hands of the owners who will do the work by Day Labor.

SAN FRANCISCO—Residences, 2, 2 story and base, frame, \$3,000 each. Architect, none. Owner, Robert F. Galway, 420 Pierce street, S. F. These dwellings will be erected on the west side of 21st avenue south of California, and each has been designed to contain six rooms and bath. Interior finish will be of pine and redwood with some hardwood veneer. Hardwood floors will be used in the living room, dining rooms and reception halls. There will be open fire places and tile or brick mantels. Bath rooms will have tile wainscot. Automatic water heaters will be installed. Exterior will be covered with cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor. Materials are now being purchased.

SAN FRANCISCO—Residence, 2 story and base, frame, \$4,500. Architect, O. R. Thayer, 20 Montgomery street, S. F. Owner, F. A. McCann, Mills Bldg., S. F. The dwelling will be erected at the southeast corner of J and 11th avenue, and has been designed to contain seven rooms, bath and sleeping porch. Interior finish will be of pine with elm panels and hardwood floors. Bath room will have tile wainscot. Automatic water heater will be installed. Plans provide for furnace heat and open fire places. Mantels will be of stone. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are now being prepared.

SAN FRANCISCO—Residence, 2 story and base, frame, \$2,500. Architect, O. R. Thayer, 20 Montgomery street, S. F. Owner, F. A. McCann, Mills Bldg., S. F. The dwelling will be erected on the south side of J street east of 11th avenue, and has been designed for a five-room house with bath and sleeping porch. Interior finish will be of pine throughout. Hardwood floors will be used in the living and dining rooms and reception hall. There will be open fire place and tile or brick mantel. Tile wainscot will be used in the bath room. An automatic water heater will be installed. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are now being prepared.

SAN FRANCISCO—Residences, 2, 2 story and base, frame, \$3,500 each. Architect, O. R. Thayer, 20 Montgomery street, S. F. Owner, F. A. McCann, Mills Bldg., S. F. These two houses will be erected on the east side of 11th avenue 30 and 60 feet respectively north of J street. Each house has been designed to contain five rooms, bath and sleeping porch. Basement will be

used for a private garage. Interior finish will be of pine throughout. There will be hardwood floors in the principal rooms. Plans provide for open fire places and stone mantels. Bath rooms will be finished in tile. Automatic water heaters are specified. Exteriors will be covered with cement plaster on metal lath. Plans are complete and figures will be called for at once.

OAKLAND, CAL.—Residence, 2 story and base, frame, \$6,000. Architect, none. Owner, George H. Freear, Holbrook Bldg., S. F. The dwelling will be erected in the Crocker Highlands Tract, and has been designed for an eight-room house with two baths and sleeping porch. Interior finish will be of pine and hardwood with white enamel in the bed rooms. Hardwood floors will be used in the living room, dining room and reception hall. There will be furnace heat and open fire places. Mantels will be of tile or brick. Bath rooms will be finished in tile and will be equipped with showers. A hot water circulating system will be installed. Exterior of the dwelling will be covered with cement plaster on metal lath. A separate garage will be erected on the rear of the property. Plans are complete and in the hands of the owner who will do the work by Day Labor.

BERKELEY, ALAMEDA CO., CAL.—Residence, 2 story and base, frame, \$4,500. Architect, none. Owner, E. B. Spitler, 815 Oxford street, Berkeley. The dwelling will be erected on the east side of Alvarado road north of the Tunnel road, and has been designed to contain seven rooms, bath and sleeping porch. Interior will be finished in pine and redwood with white enamel in the bed rooms. Hardwood floors will be used in the living room, dining room and reception hall. There will be furnace heat and open fire places. Mantels will be of tile or brick. Bath room will have tile floor and wainscot. An automatic water heater will be installed. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor.

DIXON, SOLANO CO., CAL.—Residence, 2 story, attic and base, frame, \$25,000. Architect, Henry C. Smith, Humboldt Bank Bldg., S. F. Owner, Roy D. Mayers. The dwelling has been designed for a handsome country residence of 17 rooms, 5 bath rooms and 2 sleeping porches. Besides the dwelling a large water tower and garage will be erected on the property. Interior of the dwelling will be finished in oak and mahogany with white enamel in the bed rooms. Hardwood floors will be used throughout. There will be furnace heat. Four open fire places with Caen stone and pressed brick mantels. Bath rooms will have tile floors and wainscot. A vacuum cleaning system will be installed. The features of the dwelling will be a gymnasium for children and a complete wireless telegraph room. Exterior of both the dwelling, water tower and garage will be covered with cement plaster on metal lath. A lay tile roof will be used. Plans are complete and figures are being taken.

SAN JOSE, SANTA CLARA CO., CAL.—Residence, 1 story and base, frame, \$2,000. Architect, none. Owner, W. E. Roberts, 372 South 15th street, San

Jose. The dwelling will be erected at 746 South 5th street, and has been designed for a five-room cottage. Interior will be finished in pine and redwood. Hardwood floors will be used in the principal rooms. There will be an open fire place and tile and brick mantels. Bath room will have tile wainscot. An automatic water heater will be installed. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are complete and in the hands of the owner, who will do the work by Day Labor. Materials have all been purchased.

FRESNO, FRESNO CO., CAL.—Residence, 2 story and base, frame, \$6,000. Architect, Ernest J. Kump, Fresno. Owner, Joseph Maracci, French Cafe, Fresno. The dwelling will be erected on Van Ness avenue near Dry Creek bridge, and has been designed for an eight-room house with bath and sleeping porch. Exterior will be finished in pine and redwood with some hardwood veneer. Hardwood floors will be used in the principal rooms. There will be furnace heat and open fire places. Mantels will be of tile and brick. Tile wainscot will be used in the bath room. An automatic water heater will be installed. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are complete and figures are now being taken.

SACRAMENTO, CAL.—Residence, 2 story and base, frame, \$4,800. Architect, none. Owner, W. T. Eversen, 2225 H street, Sacramento. The dwelling will be erected at the corner of California and Helvetia avenue, and has been designed for an eight-room house with bath and sleeping porch. Interior will be finished in pine and elm panels with white enamel in the bed rooms. Hardwood floors will be used in the living room and dining room and in the reception hall. There will be furnace heat and open fire places. Mantels will be of tile and brick. Tile wainscot will be used in the bath room. An automatic water heater will be installed. Exterior of the dwelling will be covered with cement plaster on metal lath. A clay tile roof will be used. Plans are complete and in the hands of the owner, who will do the work by Day Labor. Materials are now being purchased.

SACRAMENTO, CAL.—Residence, 1 story and base, frame, \$2,500. Architect, none. Owner, M. R. Saunders, 233 F street, Sacramento. The dwelling will be erected on the lot at 2331 F street, and has been designed to contain five rooms and bath. Interior finish will be of pine and redwood. Hardwood floors will be used in the principal rooms. There will be a large open fire place in the living room. Mantel will be of tile or brick. Tile wainscot will be used in the bath room. An automatic water heater will be installed. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are complete and in the hands of the owner, who will do the work by Day Labor.

RIVERSIDE, RIVERSIDE CO., CAL.—Bungalows, 15, 1 story and base, frame, \$1,500 each. Architect, Albert Schliem, Riverside. Owner, Fred W. Burdell. These dwellings will be erected at the corner of Lindwood and New Magnolia avenue, each having been designed to contain five rooms and bath. Interior finish will be of

pine and redwood throughout. Hardwood floors will be used in the living and dining rooms. There will be open fire places and tile mantels. Bath rooms will have imitation tile wainscot. Exteriors will be covered with cement plaster on metal lath, rustic and shingles. The same architect is also preparing plans for five one-story frame bungalows, similar to those above mentioned, to be erected about one mile from Riverside. Plans for these twenty houses are complete and figures will be taken shortly.

SAN FRANCISCO—Residence, 3 story and base, frame, \$25,000. Architect, Leo J. Devlin, Pacific Bldg., S. F. Owner, Leo J. Devlin. The dwelling will be erected on lot 72 in Sea Cliff Terrace, and has been designed for a handsome city home to contain ten rooms, several baths and sleeping porch. Interior finish will be of pine and redwood. The living and dining room will be finished in jenesiro. Bed rooms will be finished in white enamel. Hardwood floors will be used in the principal rooms. Plans provide for a hot air heating system, hot water circulating system, vacuum cleaning and open fire places. Mantels will be of tile and brick. Bath rooms will be finished in tile. Exterior of the dwelling will be covered with cement plaster on metal lath. A clay tile roof is specified. A separate garage will be erected in the rear of the property. Plans are complete and figures will be called for shortly.

OAKLAND, CAL.—Residence, 2 story and base, frame. Cost not stated. Architect, Carl Geilfuss, 46 Kearny street, S. F. Owner, Miss Olsen. The dwelling has been designed for a seven-room house with bath and sleeping porch, and will be erected on Lake Shore Drive. Interior finish will be of white enamel throughout. Hardwood floors will be used in the living room, dining room and reception hall. There will be furnace heat and open fire places. Mantels will be of tile and brick. An automatic water heater will be installed. Bath rooms will be finished in tile. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are now being prepared.

MARTINEZ, CONTRA COSTA CO., CAL.—Residence, 2 story and base, frame. Cost not stated. Architect, Carl Geilfuss, 46 Kearny street, S. F. Owner Martin Joost, County Tax Collector. The dwelling has been designed for an eight-room house with two baths and two sleeping porches. Interior will be finished in pine, redwood and southern blue gum. Hardwood floors will be used throughout. There will be furnace heat and open fire places. Mantels will be of tile and brick. Bath rooms will have tile floors and wainscot. Automatic water heaters will be installed. Exterior of the dwelling will be covered with cement plaster on metal lath. A separate garage will be erected on the property. Plans are complete and figures will be called for shortly.

PIEDMONT, ALAMEDA CO., CAL.—Residence, 1 story and base, frame, \$3,000. Architect, Merrill Newsom, 1748 Broadway, Oakland. Owner, J. Higgins. The dwelling has been designed for a six room house with bath and sleeping porch. Interior will be finished in pine and redwood. Hard-

wood floors will be used in the living and dining rooms. Bath room will have tile wainscot. An automatic water heater will be installed. Plans provide for a large open fire place in the living room. Mantel will be of brick. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are complete and the work will be done by Day Labor.

OAKLAND, CAL.—Residence, 1 story and base, frame, \$2,500. Architects, Universal Drafting Bureau, 1844 5th avenue, Oakland. Owner, J. Baughman. The dwelling has been designed for a five room house and will be erected on 17th street near 5th avenue. Interior will be finished in pine throughout. Hardwood floors will be used in the living and dining rooms. There will be an open fire place and tile or brick mantel. Bath room and kitchen will have tile wainscot. Exterior of the house will be covered with cement plaster on metal lath. Plans are being prepared and when complete the work will be done by Day Labor.

OAKLAND, CAL.—Residence, 2 story and base, frame, \$3,500. Architects, Universal Drafting Bureau, 1844 5th avenue, Oakland. Owner, Mrs. Jenks. The dwelling has been designed for a seven room house with bath and sleeping porch, and will be erected on College avenue. Interior will be finished in pine and hardwood veneer. Hardwood floors will be used in the living and dining rooms. There will be furnace heat and open fire places. Mantels will be of tile and brick. Bath room will have tile wainscot. An automatic water heater will be installed. Exterior of the house will be covered with cement plaster on metal lath. Plans are being prepared and when complete the work will be done by Day Labor.

FRESNO, FRESNO CO., CAL.—Residences, 1 story and base, frame. Cost not stated. Architect, none. The following Day Labor jobs are reported as about to be started: F. C. Wilson, 2321 Hills street, Fresno, 5 room frame cottage, \$1,800; James Musser, 3464 Iowa street, Fresno, five-room frame cottage, \$1,500; F. B. Billings, 1245 San Pablo, Fresno, 2 story frame residence, \$2,500, and J. E. Taylor, 2561 Emma street, Fresno, six-room frame cottage, \$1,600.

SCHOOLS.

SAN FRANCISCO—Academic building, Polytechnic High School Group, finish hardware. Architect, City Department of Architecture, Temporary City Hall Bldg., S. F. Owners, City and County of San Francisco. Bids opened at the last meeting of the Board of Public Works for furnishing and installing the finish hardware in the Academic Building of the Polytechnic High School Group show T. A. Smith low for the work at \$5,523. Further action will be taken by the Board of Public Works.

BERKELEY, ALAMEDA CO., CAL.—School, 2 story and base. Class B construction, \$70,000. Architect, W. H. Ratcliff, Jr., First National Bank Bldg., Berkeley. Owners, City of Berkeley. The building will be erected at the corner of Oregon and Russell streets, and has been designed to contain twelve class rooms and a large auditorium.

Exterior walls will be of brick. The first floor and stairway and corridors will be of concrete. Interior finish will be of pine. Maple floors will be used in the class rooms. Plans provide for a central heating system, oil burning plant, vacuum cleaning, program clocks and slate blackboards. Exterior of the building will be faced with pressed brick. Plans are complete and figures are now being taken. Bids will be opened on April 23rd at 10 a. m. Plans and specifications can be secured from the architect.

RICHMOND, CONTRA COSTA CO., CAL.—School, 1 story and base, brick or brick veneer, \$12,000. Architect, James T. Nabett, Berry Bldg., Richmond. Owners, City of Richmond. The Board of Education has taken the matter of the award of contract for remodeling the Peres School under consideration until the next meeting. Bids for this work were taken on two propositions. One for a brick veneer structure and the other for a brick building. M. B. Roberts of Richmond submitted the lowest figure for the brick at \$11,396, while J. S. Hannah of San Francisco was second low at \$11,443. J. S. Hannah submitted the low figure at \$10,341 for the brick veneer building with M. B. Roberts second low at \$10,480. All possible local pressure is being brought to bear to have the Board of Education favor M. B. Roberts.

RICHMOND, CONTRA COSTA CO., CAL.—School addition, brick construction, \$12,000. Architect, James T. Nabett, Berry Bldg., Richmond. Owners, City of Richmond. Plans have been completed for a four-room addition to the school located at Fairmount street. Interior finish will be of pine with maple floors in the class rooms. The present heating system will be extended. Plans provide for modern plumbing. Exterior of the building will be faced with stock brick. Plans will be out for figures in about one week.

SANTA CRUZ, SANTA CRUZ CO., CAL.—School, 1 story and base, frame, \$20,000. Architect, W. H. Weeks, 75 Post street, S. F. Owners, City of Santa Cruz. All bids received for the construction of the manual arts building have been rejected and plans are now being revised. New figures will be called for shortly. The lowest bid received was for \$10,777, which was in excess of the amount available.

RICHLAND, KERN CO., CAL.—School, 1 story and base, frame, \$8,500. Architect, J. M. Saffell, Bakersfield. Owners, Richland School District. The building has been designed to contain four class rooms. Interior will be finished in pine with maple floors in the class rooms. There will be furnace heat. Exterior of the building will be covered with cement plaster on metal lath. Plans are complete and figures will be called for shortly.

WARRENTON, OR.—School, 2 story and base, brick and concrete, \$16,500. Architects, Tourtellotte & Hummell, Rothchild Bldg., Portland. Owners, City of Warrenton. The building has been designed to contain six class rooms, a large assembly hall and department of domestic science and manual training. Interior will be finished in pine throughout. Maple floors will be used in the class rooms. Plans provide for a hot air system of heat.

SAN RAFAEL, MARIN CO., CAL.—ing, vacuum cleaning and program clocks. Modern school plumbing is specified. Exterior of the building will be covered with cement plaster. Plans are complete and figures will be taken at once.

SAN FRANCISCO—School hardware, \$5,423. Architect, City Department of Architecture, Temporary City Hall, S. F. Owners, City and County of San Francisco. The lowest bid received by the Board of Public Works for furnishing the finish hardware in the academic building of the Polytechnic High School was that of P. A. Smith at \$5,423.

DELANO, KERN CO., CAL.—School, 1 story and base, brick, \$23,000. Architect, J. M. Saffell, Fiske Bldg., Bakersfield. Owners, Delano School District. The building has been designed in the Mission style and will contain six class rooms and an assembly hall. Interior will be finished in pine with maple floors in the class rooms and auditorium. Modern school plumbing will be installed. There will be steam heat and an oil burning equipment. Exterior of the building will be faced with pressed brick. Plans are now being prepared.

CARUTHERS, FRESNO CO., CAL.—School, 1 story and base, hollow tile, \$30,000. Architect, Ernest J. Kump, Rowell Bldg., Fresno. Owners, Caruthers Union High School District. The building has been designed in the Mission style and will contain eight class rooms and a large auditorium. Interior will be finished in pine with maple floors. There will be a central heating system and vacuum cleaning. Modern school plumbing will be installed. Exterior of the building will be faced with cement plaster. Plans will be completed and out for figures about May 5th. Further mention will be made of the work.

BAKERSFIELD, KERN CO., CAL.—School toilet buildings, frame construction. Cost not stated. Architect, Orville L. Clark, Brower Bldg., Bakersfield. Owners, City of Bakersfield. Plans have been completed for the construction of toilet buildings at the following schools: Emerson, Bryant, Lincoln and Washington. Bids will be opened for this work, including the plumbing, on April 15th. Plans can be secured from the architect.

LOS ANGELES, CAL.—School, 2 story and base, brick. Cost not stated. Architects, Train & Williams, Exchange Bldg., L. A. Owners, City of Los Angeles. The building will be erected at the corner of Manchester avenue and Hoover street, and will contain six class rooms, departments for manual training and domestic science and an auditorium. Interior will be finished in pine. Maple floors will be used in the class rooms and auditorium. There will be steam heat, vacuum cleaning and program clocks. Exterior of the building will be faced with pressed brick. Plans are complete and may be obtained from the Secretary of the Board of Education at the Security Building.

LOS ANGELES, CAL.—School, 1 story and base, brick. Cost not stated. Architects, Train & Williams, Exchange Bldg., L. A. Owners, City of Los Angeles. Plans have been completed for the four-class room building to be erected at the corner of 71st and Comp-

ton streets. Plans are in the hands of the Secretary of the Board of Education, Security Bldg. Bids will be opened on April 10th.

LOS ANGELES, CAL.—School additions, 2, 2 story, brick, \$25,000. Architect, H. W. Glidden, Wright and Calender Bldg., L. A. Owners, City of Los Angeles. The buildings will be erected on Normandie avenue, each wing containing four class rooms. Interiors will be finished in pine. There will be a central heating system. Exteriors of the buildings will be faced with pressed brick. Plans are being completed.

PUEENTE, LOS ANGELES CO., CAL.—Schools, 3, 1 story, brick and hollow tile, \$45,000. Architect, C. H. Brown, Stimson Bldg., L. A. Owners, Puente Union High School District. These buildings have been designed in the Mission style, and will consist of an Administration Building, Domestic Science Building and Commercial Building. Interior trim will be of pine. Maple floors will be used in the class rooms. There will be a central heating plant. Exteriors will be faced with cement plaster. Separate bids are taken for the general construction, heating and ventilating, plumbing and electric work. Plans can be secured from the office of the architect or from Solomon Geer, Clerk of the Board of Education.

PORTLAND, ORE.—School, 1 story and base, brick or hollow tile, \$45,000. Architect, F. A. Naramore, Superintendent of School Properties, Portland. Owners, City of Portland. The building will be erected at the corner of Simpson and Jessup streets, and will contain eight class rooms, assembly hall and library. Interior will be finished in pine with maple floors in the class rooms. There will be steam heat and vacuum cleaning. Exterior will be faced with pressed brick. Plans are complete and figures are now being taken.

Contracts Awarded.

HOLLYWOOD, LOS ANGELES CO., CAL.—School gymnasium, 2 story and base, brick, \$37,148. Architect, Norman F. Marsh, Broadway Central Bldg., L. A. Owners, Hollywood High School District. Contractors, The Huntsberger-Reed Construction Co., Van Nuys Bldg., L. A. Contract price, \$37,148.

STORES

SEWERS, STREET WORK & WATER SYSTEMS.

CALIFORNIA—State Highway construction. Cost not stated. Engineer, State Highway Commission, Forum Bldg., Sacramento. Owners, State of California. Plans have been completed for constructing State Highways in the following counties: Sonoma County, 6.4 miles, Portland cement concrete; Contra Costa County, 5.3 miles, Portland cement concrete; Monterey County, 6.1 miles, Portland cement concrete; Monterey County, 7.3 miles, Portland cement concrete; Monterey County, 10.9 miles, Portland cement concrete. Bids will be opened on April 26th. Plans and specifications can be secured on application to the State Highway Commission. An official proposal appears in another column of this issue.

Street paving. Cost not stated. Engineers name not given. Owners, Northwestern Pacific Railroad Co. It is the intention of the Northwestern Pacific Railroad to either let a contract to bitumenize Tamalpais avenue, from Mission street to the Toll road, or to have the work done under the direction of their own force, according to information sent to the City Council of San Rafael. It is expected that a decision will be rendered at the next meeting of the Council, who are interested in the matter.

RICHMOND, CONTRA COSTA CO., CAL.—Street paving. Cost not stated. Engineer, City Engineer, Richmond. Owners, City of Richmond. Plans for the improving of Tenth street, from Bartlett to Pennsylvania, have been adopted by the City Council and bids will be called for at the next meeting of the Council. Bithulithic paving will be used. At the last meeting of the Council the plans prepared by the City Engineer for the paving of Contra Costa street were laid over for another week.

CALEXICO, IMPERIAL CO., CAL.—Street pavement and sewer work. Cost not stated. Engineer, City Engineer, Calexico. Owners, City of Calexico. The Board of Trustees of Calexico has passed resolutions of intention to improve a certain portion of Imperial, Paulin, Redwood and Heffernan avenues, and Third, Second and First streets, and a number of alleys in the district surrounding. Resolutions have also been passed to construct a storm sewer in certain portions of Heffernan, Rockwood, Paulin and Imperial avenues, and First, Second and Third streets. Also their intention to construct certain sanitary sewer laterals in a certain portion of Imperial avenue, Third, Second and First streets, and in a certain portion of Paulin avenue.

RIVERSIDE, RIVERSIDE CO., CAL.—County highway construction. Cost not stated. Engineer, County Surveyor, Riverside. Owners, Riverside County. Plans and specifications have been adopted by the County Supervisors for 8.85 miles of highway construction from Temecula to the San Diego County line. This is known as a portion of Route No. 12, Division C.

RIVERSIDE, RIVERSIDE CO., CAL.—County highway construction, \$26,712.05. Engineer, County Surveyor, Riverside. Owners, Riverside County. Contractors, Connors Construction Co., L. A. Contract price, \$26,712.05.

RICHMOND, CONTRA COSTA CO., CAL.—Sewer laterals, \$9,726.08. Engineer, City Engineer, Richmond. Owners, City of Richmond. Contractors, Chambers & Heafy, Richmond. Contract price, \$9,726.08. This contract covers construction of laterals in the Bay View District.

SAN FRANCISCO—Distributing main extension. Cost not stated. Engineer, City Engineer, Temporary City Hall, S. F. Owner, City and County of San Francisco. Plans and specifications for the installation of distributing mains for the water supply in the University Mound District have been completed and figures are now being taken. Bids will be opened by the Board of Public Works on April 7th. Plans and specifications can be secured from the City Engineer's office.

STORES AND OFFICES.

SAN FRANCISCO—Loft addition, 1 story. Class C construction. Cost not stated. Architect, Carl Geilfuss, 46 Kearny street, S. F. Owner's name withheld. The addition will be made to a large three-story building on Second street. The building covers an area of 90 by 100 feet. The work will include brick work, carpentry, plumbing, electric work and elevator extension. Plans are being prepared.

THEATRES.

FRESNO, FRESNO CO., CAL.—Theatre alteration, brick and frame, \$20,000. Architect, R. L. Felchin, Fresno. Owner, H. H. Brix, 2844 Fresno street. This work will consist of alterations to three adjoining buildings on J street, between Mariposa and Fresno streets, and will include new fronts, exterior and interior plastering, plumbing, interior finish, electric work and painting. Plans are now being prepared.

SEALED PROPOSALS

STATE OF CALIFORNIA.
DEPARTMENT OF ENGINEERING.

CALIFORNIA HIGHWAY COMMISSION

NOTICE TO CONTRACTORS.

SEALED PROPOSALS will be received at the office of the California Highway Commission, 515 Forum Building, Sacramento, Cal., until 2 o'clock P. M. on April 26, 1915, at which time they will be publicly opened and read for construction in accordance with the specifications therefor, to which special reference is made, portions of State highway as follows:

Sonoma County from Willow Brook to Southerly Boundary (IV-Son-1-C), about 6.4 miles in length, to be built of Portland cement concrete.

Contra Costa County from Richmond to Pinole (IV-C. C-14-A), about 5.3 miles in length, to be built of Portland cement concrete.

Monterey County from Salinas to Lagunita (V-Mon-2-A), about 6.1 miles in length, to be built of Portland cement concrete.

Monterey County from 3.2 miles north of King City Bridge to Greenfield (V-Mon-2-E), about 7.3 miles in length, to be built of Portland cement concrete.

Monterey County from 3 miles north-westerly from Bradley to San Ardo (V-Mon-2-H), about 10.9 miles in length, to be built of Portland cement concrete.

Plans may be seen, and forms of proposals, bonds, contract, and specifications may be obtained, at the said office, and they may be seen at the office of the Division Engineers at Los Angeles and San Francisco, and at the office of the Division Engineer of the division in which the work is situated. The Division Engineers' offices are located at Willits, Dunsmuir, Sacramento, San Francisco, San Luis Obispo, Fresno, and Los Angeles.

No bid will be received unless it is made on a blank form furnished by the Commission. The special attention of prospective bidders is called to the "Notice to Contractors" annexed to the blank form of proposal, for full directions as to bidding, quantities of work to be done, etc.

The Department of Engineering reserves the right to reject any or all bids or to accept the bid deemed for the best interests of the State.

CHARLES D. BLANEY,
NEWELL D. DARLINGTON,
CHARLES F. STERN,
California Highway Commission.
AUSTIN B. FLETCHER,
Highway Engineer.
WILSON R. ELLIS,
Secretary. (*)

Dated: March 30, 1915.

CALL FOR BIDS.

The Superintendent of Streets of the City of Calexico, California, will receive bids for one Street Sprinkler, 600 gallons capacity and one Street Flush-er of 600 gallon capacity, both horse drawn, up to 5 P. M., April 5, 1915, at his office in the City Hall. Privilege reserved to reject any and all bids.

Each bid to be accompanied by certified check for 10 per cent of amount bid.

HARRY E. FOSTER,
Superintendent of Streets. (*)

PROPOSALS FOR BUILDING.

BUILDING—U. S. Department of Agriculture, Office of the Secretary, Washington, D. C.—Sealed proposals will be received by the Secretary of Agriculture until noon, April 27, 1915, for the erection of a two-story frame cottage, telegraph office building, for the weather bureau, U. S. Department of Agriculture, at Neah Bay, Wash., in accordance with plans and specifications, which may be obtained from chief, U. S. weather bureau, Washington, D. C., or the U. S. weather bureau offices at Seattle or Port Crescent, Wash. Bids must be sealed and indorsed on envelope "Proposals for Weather Bureau Building, Neah Bay, Wash.," and addressed to the chief, U. S. weather bureau, Washington, D. C. The department reserves the right to reject any and all bids and to waive defects should it be deemed in its interest to do so. (Signed) D. F. HOUSTON, secretary.

PROPOSALS FOR CANAL SUPPLIES

PANAMA CIRCULAR 912—Proposals for Mechanical Range Indicators, Ampere Meters, Knife Switches, Galvanized Roofing, Spring Steel, Steel Straps, Wire Lath, Bolts, Nuts, Rivets, Boat Spikes, Washers, Cast Iron Pipe and Fittings, Valves, Sheet Copper, Hammers, Chisels, Twist Drills, Files, Saws, Blacksmiths' Drills, Carpenters' Braces, Steel Squares, Machetes, Rakes, Oarlocks, Scrub Brushes, Counter Brushes, Paint Brushes, Hose, Packing, Asbestos Gaskets, Magnesia Pipe Covering, Leather Belting, Belt Lacing, Sash Cord, Chalk Line, Marline, Emery Cloth, Sandpaper, Oilcloth, Cheese-cloth, Sponges and Paper.—Sealed proposals will be received at the office of the general purchasing officer, the Panama Canal, Washington, D. C., until 10:30 a. m. April 10, 1915, at which time they will be opened in public, for furnishing the above mentioned articles. Blanks and general information relating to this circular (No. 912) may be obtained from this office or the office of the assistant purchasing agent, 1086 North Point street, San Francisco, Cal.; also from the U. S. engineer offices in the following cities: Seattle, Wash.; Los Angeles, Cal. F. C. BOGGS, major, corps of engineers, U. S. army, general purchasing officer.

PROPOSALS FOR FUEL OIL.

FUEL OIL, ETC.—Office of the Department Quartermaster, Chronicle Building, San Francisco, Cal.—Sealed proposals will be received here until 11 a. m. April 23, 1915, for furnishing wood, coke, charcoal, smithing coal, mineral and fuel oil, gasoline, etc., required at posts in the Western Department during fiscal year commencing July 1, 1915. Information furnished on application here or to post quartermasters and quartermasters at Seattle, Wash., and Portland, Ore. H. S. WALLACE, colonel, quartermaster corps.

PROPOSALS FOR CANAL SUPPLIES.

PANAMA CIRCULAR 911—Proposals for Regulating Valves, Machines, Motors, Starting Panels and Limit switches for Locks.—Sealed proposals will be received at the office of the general purchasing officer, the Panama Canal, Washington, D. C., until 10:30 a. m. April 26, 1915, at which time they will be opened in public, for furnishing the above mentioned articles. Blanks and general information relating to this circular (No. 911) may be

obtained from this office or the office of the assistant purchasing agent, 1086 North Point street, San Francisco, Cal.; also from the U. S. engineer offices in the following cities: Seattle, Wash.; Los Angeles, Cal. F. C. BOGGS, major, corps of engineers, U. S. army, general purchasing officer.

NOTICE TO CONTRACTORS.

SEALED BIDS will be received by W. F. McClure, State Engineer, Forum Building, Sacramento, California, up to and including 12 o'clock, noon, Tuesday, April 27, 1915, said bids then and there to be publicly opened and read for furnishing all plant, materials, and labor, and doing the work required for the complete construction and erection of a building to be known as the "Superintendent's Residence," Southern California State Hospital, Patton, California, in accordance with the plans and specifications, therefor, copies of which may be obtained on application to the State Department of Engineering, Sacramento, California.

Such bids will be received for the Entire Work, and must be submitted on forms prepared and furnished by the State Department of Engineering.

Cash, a bidder's bond, or a certified check in the sum of ten per centum (10%) of the amount of the bid must accompany each bid.

A deposit of Ten (\$10.00) Dollars will be required on plans and specifications, the deposit to be returned immediately on the return of the plans and specifications to the State Department of Engineering at Sacramento, California, in good condition.

The State Department of Engineering reserves the right to reject any and all bids and to waive any informality in any bid received.

All bids must be addressed to W. F. McClure, State Engineer, Sacramento, California, and plainly marked on the envelope: "Proposal for Superintendent's Residence, Southern California State Hospital, Patton, California."

(SIGNED) W. F. MCCLURE,
State Engineer. (*)

NOTICE TO CONTRACTORS.

COUNTY HIGHWAY COMMISSION.
COUNTY OF KERN, STATE OF CALIFORNIA.

SEALED PROPOSALS addressed to the Board of Supervisors and endorsed "PROPOSAL TO FURNISH PORTLAND CEMENT" will be received by the Board of Supervisors of Kern County, California, at their office in the County Court House, until 10 o'clock A. M. on the 12th day of April, 1915, and at that time and place will be publicly opened and read.

The cement will be required from time to time between May 1st, 1915, and January 1st, 1917, quantity estimated to be ninety thousand (90,000) barrels, which quantity is to be considered approximate only and may be increased or diminished as the Highway Commission may deem expedient.

Blank forms of proposal, and specifications may be obtained at the office of the Kern County Highway Commission in the Court House, Bakersfield. All proposals must be on said blank forms, must give the price proposed, both in writing and figures, and must be signed by the bidder with his address. The phraseology of the proposal must not be changed and any alteration by the bidder will make the proposal informal and liable to rejection.

Each proposal must be accompanied by a certified or cashier's check, or bidder's bond, amounting to at least ten (10) per cent of the aggregate amount of the bid, payable to the order of the Chairman of the Board of Supervisors of Kern County; such check to be returned to the bidder unless forfeited under the conditions herein stipulated.

A bond, satisfactory to the Board of Supervisors will be required for the faithful performance of the contract in a sum equal to one-half (1/2) the aggregate amount of the contract.

The bidder to whom the contract may be awarded will be required to appear at the office of the said Board of Supervisors with the sureties offered by

W. R. BRODE, Pres. LOUIS R. MOLM, Sec. R. J. BRODE, Vice-Pres.

BRODE IRON WORKS

Established 1886---Incorporated 1913
Tel. Kearny 2464.

Fabricators and Contractors of Structural Steel and Ornamental Iron Work

Office & Works: 31-37 Hawthorne St., bet. Howard & Folsom Sts., San Francisco, Cal.

him and execute a contract within ten (10) days after it is awarded to him. In case of failure or neglect to do so, he may be considered as having abandoned it, and the check accompanying the proposal may, at the option of the Board of Supervisors be forfeited to the County of Kern.

All bids will be compared on the basis of the estimated quantity shown in the specifications.

The Board of Supervisors reserves the right to reject any or all proposals. BOARD OF SUPERVISORS OF KERN COUNTY.

By J. M. BUSH, Protem Chairman.

I. L. MILLER, Clerk.

By F. E. Smith, Deputy Clerk. (*)

PROPOSALS FOR EXCAVATING AND CONCRETE.

EXCAVATION AND CONCRETE — Department of the Interior, U. S. Reclamation Service, Washington, D. C.—Sealed proposals will be received at the office of the U. S. Reclamation Service, Provo, Utah, until 2 o'clock p. m. April 8, 1915, for construction involving about 8,000 yards of canal excavation and 1,350 yards of reinforced Los Angeles and Salt Lake Railroad and the Tintic branch of the Denver and Rio Grande Railroad. For particulars address the U. S. Reclamation Service, Provo, Utah, or Washington, D. C., A. P. DAVIS, director and chief engineer.

PROPOSAL FOR BIDS.

SEALED BIDS will be received at the office of Lewis P. Hobart, Crocker Building, San Francisco, Cal., at or before 11 A. M., April 14, 1915, for furnishing and erection of the structural steel work for the University Hospital at 4th and Parnassus Aves., San Francisco, as per plans and specifications on file at said office.

A deposit of \$5.00 will be required for each set of plans and specifications, which deposit will be refunded upon return of said plans and specifications.

No bids will be received unless accompanied by check or bond in favor of the undersigned, equal to 10% of the bid, to secure execution of the contract by the successful bidder.

The right is reserved to reject any or all bids.

THE REGENTS OF THE UNIVERSITY OF CALIFORNIA. (*)

NOTICE TO LUMBERMEN.

BIDS WANTED c. f. f. ship's slings, Sydney, Australia, for shipload, either sail or steam, of Douglas Fir lumber. Specifications at THE AUSTRALIAN OFFICES, 419 Market Street, San Francisco, Cal. (*)

BIDS FOR DESKS.

SAN BERNARDINO, CAL.—BIDS will be received by the Board of Education up to April 12, 1915, for furnishing 100 No. 1 school desks, 15 No. 1 desk backs, 150 tablet arm recitation chairs and 800 opera chairs for the new high school buildings. F. W. Conrad is the Secretary of the Board. (*)

PROPOSALS FOR SUPPLIES...

SUPPLIES—Sealed proposals will be received at the office of the commissioner of fisheries, Department of Commerce, Washington, D. C., until 2 o'clock p. m. April 20, 1915, and then opened, for furnishing general supplies for use on the Pribilof Islands, Alaska. Blank proposals and particulars may be obtained by addressing the above office.

PROPOSALS FOR BUILDING.

BUILDING, ETC.—U. S. Department of Agriculture, Office of the Secretary, Washington, D. C.—Sealed proposals will be received by the Secretary of Agriculture until noon April 27, 1915, for the erection of a two-story frame cottage, telegraph office building, for the weather bureau, U. S. Department of Agriculture, at Neah Bay, Wash., in accordance with plans and specifications, which may be obtained from chief, U. S. weather bureau, Washington, D., or the U. S. weather bureau offices at Seattle or Port Crescent, Wash. Bids must be sealed and indorsed on envelope "Proposals for weather bureau, Washington, D. C. Wash." and addressed to the chief, weather bureau, Washington, D. C. The department reserves the right to reject any or all bids and to waive defects should it be deemed in its interest to do so. (Signed) D. F. HOUSTON, Secretary.

NOTICE TO CONTRACTORS.

SEALED BIDS will be received by W. F. McClure, State Engineer, Forum Building, Sacramento, California, up to and including 12 o'clock, noon, Tuesday, May 4th, 1915, said bids then and there to be publicly opened and read for furnishing all plant, materials and labor, and doing the work required for the complete construction and erection of buildings to be known as "Worker's Cottage for Males," "Kitchen Building," and "Power House," Norwalk State Hospital, near Norwalk, California, in accordance with the plans and specifications therefor, copies of which may be obtained on application to the State Department of Engineering, Sacramento, California.

Such bids will be received for the Entire Work, and must be submitted on forms prepared and furnished by the State Department of Engineering.

Cash, a bidder's bond, or a certified check in the sum of ten per centum (10%) of the amount of the bid must accompany each bid.

A deposit of Twenty (\$20.00) Dollars will be required on plans and specifications, the deposit to be returned immediately on the return of the plans and specifications to the State Department of Engineering, at Sacramento, California, in good condition.

The State Department of Engineering reserves the right to reject any and all bids and to waive any informality in any bid received.

All bids must be addressed to W. F. McClure, State Engineer, Sacramento, California, and plainly marked on the envelope: "Proposal for 'Worker's Cottage for Males,' 'Kitchen Building' and 'Power House,' Norwalk State Hospital, near Norwalk, California." (SIGNED) W. F. MCCLURE, State Engineer. (*)

NOTICE TO CONTRACTORS.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., April 1, 1915.—SEALED PROPOSALS will be opened in this office at 3 P. M., May 13, 1915, for the construction complete (including mechanical equipment, interior lighting fixtures, and approaches) of the United States Post Office at Park City, Utah. One-story and basement building; ground area, 2,300 square feet; nonfireproof construction; brick facing with stone sills and wood cornice, etc.; composition roof. Drawings and specifications may be obtained from the custodian of site at Park City, Utah, or at this office, in the discretion of the Supervising Architect, O. WENDEROTH, Supervising Architect. (*)

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Best located and most popular hotel in the City; circulating ice water in every room.

Especial attention to ladies travelling alone.

Excellent, reasonable priced grill. Meet your friends at the Manx

European Plan Rates \$1.50 up.

Management. Chester W. Kelley

STATEMENT OF THE OWNERSHIP, MANAGEMENT, CIRCULATION, ETC., REQUIRED BY THE ACT OF

AUGUST, 24, 1912,

of BUILDING AND ENGINEERING NEWS published weekly at San Francisco, California, for April 1st, 1915.

Editor, C. Munday, 560 Mission Street.
Managing Editor, L. A. Larsen, 560 Mission Street.

Business Manager, L. A. Larsen, 560 Mission Street.

Publisher, L. A. Larsen, 560 Mission Street.

Owner, L. A. Larsen, 560 Mission St.
Known bondholders, mortgagees, and other security holders, holding 1 per cent or more of total amount of bonds, mortgages, or other securities, None.

L. A. LARSEN, Owner.

Sworn to and subscribed before me this 5th day of April, 1915.

CHALMER MUNDAY,

Notary Public.

(My commission expires Oct. 18, 1917.)
[SEAL]

LOAN FOR VALPARAISO WATER WATER COMPANY.

[Commercial Attache V. L. Havens, Santiago, Chile, Jan. 26.]

The water company of Valparaiso is authorized to accept a loan in Chile for \$500,000 United States currency, with interest at not more than 6 per cent and an accumulative annual amortization of at least 1 per cent. The funds are to be used for new machinery, improved service in Valparaiso, and outstanding obligations. The loan is to be guaranteed by the Government.

ADVANCE NEWS

Classified according to Location

SAN FRANCISCO.

FLATS—2 story and base, frame. Cost not stated. San Francisco. Architect, Arthur J. Laib, Russ Bldg., S. F. Owner's name withheld. This building will be erected in the rear of the property on Sacramento near Taylor, and has been designed to contain two flats of five and six rooms each. Interiors will be finished in pine and redwood with hardwood floors in the principal rooms. There will be open fire places and tile or brick mantels. Imitation tile wainscot will be used in the bath rooms. Automatic water heaters will be installed. Exterior will be covered with rustic and cement plaster on metal lath. Plans are complete and figures are now being taken.

FLATS—2 story and base, frame, \$4,000. San Francisco. Architect, none. Owner, P. Algot Nelson, 433 19th street, S. F. The building will be erected on the east side of Third avenue north of Balboa, and has been designed to contain two flats of five and six rooms each. The building will cover an area of 24 by 53 feet. Interior finish will be of pine and redwood with some hardwood floors. There will be open fire places with tile or brick mantels. Tile wainscot will be used in the bath rooms and kitchens. Automatic water heaters will be installed. Exterior of the building will be covered with cement plaster on metal lath. Plans are complete and in the hands of the owner, who will do the work by Day Labor.

APARTMENT HOUSE—5 story and base, brick and steel, \$50,000. San Francisco. Architect, none. Owners, Towne Realty Company, 166 Geary street, S. F. The building will be erected on the south side of California street east of Jones, covering an area of 106 by 54 feet. There will be a complete steel frame, brick exterior walls faced with pressed brick and terra cotta. The building has been designed for five apartments, each apartment occupying an entire floor, consisting of from seven to eight rooms. Interiors will be finished in pine and hardwood with white enamel in the bed rooms. There will be two baths for each apartment. Bath will be finished in tile. There will be steam heat, elevator service, dumb waiters and a hot and cold water supply. Marble and tile wainscot will be used in the entrance vestibule. The contract for the structural steel has already been awarded to the Vulcan Iron Works, and segregated figures are being taken by the owners for the balance of the construction.

APARTMENT HOUSE ALTERATIONS—2, 2 story, frame buildings, \$7,000. San Francisco. Architect, Theo. W. Lenzen, Humboldt Bank Bldg., S. F. Owner, Lena Ganz, 94 Fair Oaks street, S. F. The two present flat buildings located on the north side of 22nd street near Fair Oaks are to be altered into eight modern apartments. This work

will include new interior finish, plastering, painting, electric work, plumbing and heating. The exterior of the building will be covered with cement plaster on metal lath. Plans are complete and figures are now being taken.

APARTMENT HOUSE—3 story and base, frame, \$25,000. San Francisco. Architect, Arthur J. Laib, Russ Bldg., S. F. Owner's name withheld. The building will be erected on Sacramento street near Taylor, and has been designed to contain seven apartments of three and four rooms each. Interiors will be finished in pine with some elm panels and some hardwood floors. Each apartment will have wall beds and private baths. Bath rooms will be finished in tile with composition floors. There will be steam heat and a hot water supply. Marble and tile wainscot will be used in the vestibule. Exterior of the building will be faced with cement plaster on metal lath. Plans are complete and figures are being taken.

APARTMENT HOUSE—3 story and base, frame, \$10,000. San Francisco. Architect, Charles J. Rousseau, 46 Kearny street, S. F. Owner, Mr. Chadbourne. The building will be erected on the west side of Treat avenue north of 22nd street, and has been designed to contain six apartments of three rooms and bath each. Interior will be finished in pine with some elm panels and hardwood floors. Each apartment will have wall beds and private bath. Tile wainscot and composition floors will be used in the bath rooms. There will be steam heat and a hot water supply. Exterior of the building will be faced with cement plaster on metal lath. Plans are complete and figures are now being taken.

RESIDENCE—3 story and base, frame, \$5,000. San Francisco. Architect, E. Bolles, 660 Market street, S. F. Owners, S. A. Born Building Co., 660 Market street, S. F. The dwelling will be erected on lot 7 in Ashbury Terrace, and will cover an area of 25 by 41 feet. The dwelling has been designed to contain seven rooms and bath with two sleeping porches. Interior finish will be of pine and redwood with some hardwood veneer and white enamel in the bed rooms. Hardwood floors will be used in the living and dining rooms and reception hall. There will be furnace heat and open fire places. Mantels will be of tile and brick. Tile wainscot and floor will be used in the bath rooms. A hot water circulating system is specified. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are complete and in the hands of the owners who will do the work by Day Labor.

RESIDENCES—2, 2 story and base, frame, \$3,000 each. San Francisco. Architect, none. Owner Robert F. Galway, 420 Pierce street, S. F. These dwellings will be erected on the west side of 21st avenue south of California, and each has been designed to

contain six rooms and bath. Interior finish will be of pine and redwood with some hardwood veneer. Hardwood floors will be used in the living rooms, dining rooms and reception halls. There will be open fire places and tile or brick mantels. Bath rooms will have tile wainscot. Automatic water heaters will be installed. Exteriors will be covered with cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor. Materials are now being purchased.

RESIDENCE—2 story and base, frame, \$4,500. San Francisco. Architect, O. R. Thayer, 20 Montgomery street, S. F. Owner, F. A. McCann, Mills Bldg., S. F. The dwelling will be erected at the southeast corner of J and 11th avenue, and has been designed to contain seven rooms, bath and sleeping porch. Interior finish will be of pine with elm panels and hardwood floors. Bath rooms will have tile wainscot. An automatic water heater will be installed. Plans provide for furnace heat and open fire places. Mantels will be of stone. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are now being prepared.

RESIDENCE—2 story and base, frame, \$2,500. San Francisco. Architect, O. R. Thayer, 20 Montgomery street, S. F. Owner, F. A. McCann, Mills Bldg., S. F. The dwelling will be erected on the south side of J street east of 11th avenue, and has been designed for a five-room house with bath and sleeping porch. Interior finish will be of pine throughout. Hardwood floors will be used in the living room, dining room and reception hall. There will be open fire places and tile or brick mantels. Tile wainscot will be used in the bath room. An automatic water heater will be installed. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are now being prepared.

RESIDENCES—2, 2 story and base, frame, \$3,500 each. San Francisco. Architect, O. R. Thayer, 20 Montgomery street, S. F. Owner, F. A. McCall, Mills Bldg., S. F. These two houses will be erected on the east side of 11th avenue, 30 and 60 feet respectively north of J street. Each house has been designed to contain five rooms, bath and sleeping porch. Basements will be used for private garage. Interior finish will be of pine throughout. There will be hardwood floors in the principal rooms. Plans provide for open fire places and stone mantels. Bath rooms will be finished in tile. Automatic water heaters are specified. Exteriors will be covered with cement plaster on metal lath. Plans are complete and figures will be called for at once.

BRIDGE REPAIRS—Steel and reinforced concrete. Cost not stated. San Francisco. Engineer, City Engineer, Temporary City Hall, S. F. Owners, City and County of San Francisco.

Plans and specifications for repairs to the bascule bridge at Third and Channell streets have been completed. Bids are now being taken and will be opened on the 7th of April. Plans and specifications can be secured from the City Engineer's office. Bids will be opened by the Board of Public Works.

ENGINE HOUSE—2 story and base. Class C construction. Cost not stated. San Francisco. Architects, Ward & Blohme, Alaska Commercial Bldg., S. F. Owners, City and County of San Francisco. Plans have been completed for the construction of Engine House No. 12, which is to be erected at the corner of Drumm and Commercial streets. The building will contain space for two pieces of apparatus on the first floor and living quarters for the men in the upper floor. Construction will be of steel and brick with the exterior faced with pressed brick and trimmed with terra cotta. Interior will be finished in pine. There will be steam heat and a hot water system and shower baths. Special electrical work is specified. Separate bids are being taken for the general construction and for furnishing and installing lighting fixtures. Plans are complete and in the hands of the Board of Public Works. Bids will be opened on April 7th. Plans and specifications can be obtained from the City Department of Architecture, Temporary City Hall Building.

DISTRIBUTING MAIN EXTENSION—Cost not stated. San Francisco. Engineer, City Engineer, Temporary City Hall, S. F. Owners, City and County of San Francisco. Plans and specifications for the installation of distributing mains for the water supply in the University Mound District have been completed and figures are now being taken. Bids will be opened by the Board of Public Works on April 7th. Plans and specifications can be secured from the City Engineer's office.

UNDERGROUND ELECTRICAL CONDUCTORS—Cost not stated. San Francisco. Engineers, City Engineer, Temporary City Hall, S. F. Owners, City and County of San Francisco. Plans and specifications have been completed for furnishing and installing underground electrical conductors for the Geary Street Municipal Railroad. Plans are now being figured, and bids will be opened by the Board of Public Works on April 7th. Plans and specifications can be secured from the City Engineer's office, Temporary City Hall.

RESIDENCE—3 story and base, frame, \$25,000. San Francisco. Architect, Leo J. Devlin, Pacific Bldg., S. F. Owner, Leo J. Devlin. The dwelling will be erected on lot No. 72 in Sea Cliff Terrace, and has been designed for a handsome city home of ten rooms, several baths and sleeping porch. Interior finish will be of pine and hardwood. The living and dining room will be finished in jenesero. Bed rooms will be finished in white enamel. Hardwood floors will be used in the principal rooms. Plans provide for a hot air heating system, hot water circulating system, vacuum cleaning and open fire places. Mantels will be of tile and brick. Bath rooms will be finished in tile. Exterior of the dwelling will be covered with cement plaster on metal lath. A clay tile roof is specified. A separate garage will be

erected in the rear of the property. Plans are complete and figures will be called for shortly.

ACADEMIC BUILDING, POLYTECHNIC HIGH SCHOOL GROUP, FINISH HARDWARE—Cost not stated. San Francisco. Architect, City Department of Architecture, Temporary City Hall Bldg., S. F. Owners, City and County of San Francisco. Bids opened at the last meeting of the Board of Public Works for furnishing and installing the finish hardware in the Academic Building of the Polytechnic High School Group show T. A. Smith low for the work at \$5,423. Further action will be taken by the Board of Public Works.

APARTMENT HOUSE—3 story and base, frame, \$16,000. San Francisco. Architects, Rousseau & Rousseau, 110 Sutter street, S. F. Owner's name withheld. The building will be erected at the northwest corner of Union and Baker streets, and has been designed to contain five apartments ranging from four to seven rooms. Interiors will be finished in pine and hardwood with some white enamel in the bed rooms. There will be furnace heat and open fire places. Mantels will be of tile. Hardwood floors will be used throughout. All suites will have private bath rooms, which will be finished in tile. Marble wainscot will be used in the entrance. Exterior of the building will be covered with cement plaster on metal lath. Plans are now being prepared.

FLATS—2 story and base, frame, \$3,000. San Francisco. Architect, none. Owner, E. Coleman, 5516 Geary street, S. F. The building will be erected on south side of Geary street east of 19th avenue, covering an area of 22 by 35 feet. There will be two flats of five rooms each. Interiors will be finished in pine and redwood with some hardwood veneer. Hardwood floors will be used in the living and dining rooms. There will be open fire places and tile or brick mantels. Bath rooms will be finished in tile. Automatic water heaters are specified. Exterior of the building will be covered with rustic and cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor.

BREWERY—4 and 5 story and base, reinforced concrete, \$450,000. San Francisco. Architect, Carl Siebrand, Arcade Bldg., Seattle. Owners, Rainier Brewing and Malting Co., represented in San Francisco by John Rapp & Son, 1500 Bryant street. Plans for the big brewing plant to be erected in the Potrero District have been completed and are now in the hands of the San Francisco representatives for figures. A large number of local contractors are figuring the work. Construction will be fireproof with exterior walls, floors and roof slabs of reinforced concrete. Exterior will be faced with cement plaster. The successful contractor will be allowed but four months in which to complete the work.

CITY JAIL ELEVATOR WORK—\$5,650. San Francisco. Architect, City Department of Architecture, Temporary City Hall, S. F. Owners, City and County of San Francisco. The lowest bid received by the Board of Public Works for furnishing and installing elevators in the new City Jail was received from the Otis Elevator Co., at

\$5,650. They will probably be awarded the contract.

SCHOOL HARDWARE—\$5,423. San Francisco. Architect, City Department of Architecture, Temporary City Hall, S. F. Owners, City and County of San Francisco. The lowest bid received by the Board of Public Works for furnishing the finish hardware in the academic building of the Polytechnic High School was that of P. A. Smith at \$5,423.

Contracts Awarded.

APARTMENT HOUSE—3 story and base, frame, \$12,500. San Francisco. Architect, C. O. Clausen, Hearst Bldg., S. F. Owner, Mary Stein. Contractors, Ratto & Ratto, 232 Hartford street, S. F. Contract price, \$12,500.

CITY HALL ORNAMENTAL IRON AND BRONZE—\$100,000. San Francisco. Architects, Bakewell & Brown, 251 Kearny street, S. F. Owners, City and County of San Francisco. Contractors, Rudgear-Merle Co., S. F. Contract price, \$98,850.

LOFT ADDITION—1 story. Class C construction. Cost not stated. San Francisco. Architect, Carl Geilfuss, 46 Kearny street, S. F. Owner's name withheld. This addition will be made to a large three-story building on Second street. The building covers an area of 90 by 100 feet. The work will include brick work, carpentry, plumbing, electric work and elevator extension. Plans are being prepared.

City Bids Opened

Bids Were Opened at the Wednesday Meeting of the Board of Works for Elevator Work and Hardware.

The following is a resume of the Wednesday afternoon meeting of the Board of Public Works:

The Board awarded to Barrett & Hilt the contract for the improvement of 17th street between Carolina and Arkansas streets.

Board awarded contract to J. G. Harney for improvement of Judah street between 12th and 13th Aves.

Board rejected all bids received for the improvement of Harper street from 30th to Randall, and the Secretary was directed to re-advertise for new bids on the work to be received until April 7th.

Award contract for ornamental bronze work on the New City Hall to Rudgear-Merle.

Approve specifications for improvement of Buena Vista Ave., Central Ave and Haight street.

Board approved specifications for the lighting fixtures to be installed in Engine House 12 and the Secretary was directed to advertise for bids to be received until April 7th. Plans by Architects Ward & Blohme, Alaska-Commercial Building.

Board approved plans and specifications for the general construction of Engine House No. 12 and will receive bids for the same until April 7th. Plans by Architects Ward & Blohme, Alaska-Commercial Building.

Board approved specifications for underground fixtures of the municipal railway and will receive bids until April 7th.

Award contract for the construction

of Beach Terminal loop to Thos. H. Mullen at \$2,500.

Secretary was directed to advertise for bids for alterations to be made on the Third and Channel streets bridge. Bids close April 7th.

Secretary instructed to advertise for bids for the installation of water mains in the University Mound District. Bids close April 7th.

Hardware Polytechnic High School, Academic Building.

Pacific Hardware & Steel Co....	\$7,690
Bennett Bros.	6,067
Joost Bros.	7,325
P. A. Smith.....	5,423
A. W. Pike.....	6,149
Elevators, City and County Jail Bldg.	
Otis Elevator Co.....	\$5,650
Pacific Gurney Elevator Co.....	5,990

Building Contracts Awarded.

San Francisco

No.	Owner.	Contractor	Amt.
972	Nolan	Gillogley	4227
973	Pendergast	MacArthur	2150
974	Sulger	Little	5156
975	Titlow	Dulfer	3500
976	Boyd	Maguire	400
977	De Young	Perry	450
978	Curtis	Curtis	500
979	Tomsen	Olsen	600
980	Holden	Allen	1700
981	Pacific T & T.....	Thornalley	37495
982	Welsh	Welsh	4000
983	Schneider	McMullin	1685
984	Webber	Standard	400
985	Prudential	Brumfield	1990
986	Lillie	Lillie	1200
987	Kupper	Munster	1800
988	Scoble	Scoble	2500
989	Brandenstein	Christian	400
990	Mouthy	Birres	1000
991	Novello	Novello	400
992	Nelson	Nelson	4000
993	Thompson	Dowlin	900
994	Resta	Ghezzi	450
995	Cunningham	Owner	400
996	Galway	Galway	3000
997	Galway	Galway	3000
998	Webber	Webber	400
999	Born	Born	5000
1000	Yager	Yager	4000
1001	Yager	Yager	4000
1002	Yager	Yager	4000
1003	Dehail	Elam	40900
1004	Same	Judson	11379
1005	Booth	Hannah	7737
1006	Stein	Ratto	11600
1007	Heyman	Heyman	1750
1008	Heyman	Heyman	1750
1009	Johnson	Thunberg	2900
1010	Johnson	Thunberg	2900
1011	Cobb	Parkside	10850
1012	Heineman	Bryant	18800
1013	Levy	Little	20100
1014	Chadburne	Ellingson	9081
(1012)	S BUSH, 160 E Gough, E		32-6x

FRAME FLATS

(972) S ARMY 175 W Guerrero W 25 xS114. All work except inside locks and front door locks and shades for two-story and basement frame flats. Owner.....Jno. and Eleanor J. Nolan, 249 27th, San Francisco.

Architect...None.

Contractor...J. Gillogley & Son, 745 San Jose Ave., S. F.

Filed Mar. 29, '15. Dated Mar. 11, '15.
Rough frame up.....\$1054.50
Brown coated 1058.00
Completed and accepted..... 1058.00
Usual 35 days..... 1057.00

TOTAL COST, \$4227.50

Bond, \$2114. Sureties, S. J. Lazarus and R. W. Gillogley. Limit, 90 days. Forfeit, none. Plans and specifications filed.

FRAME COTTAGE

(973) E EIGHTEENTH AVE 175 N Taraval. All work for one and one-half story frame cottage.

Owner.....F. C. Pendergast.

Architect...None.

Contractor..MacArthur Bros., 1560 Fell San Francisco.

Filed Mar. 29, '15. Dated Mar. 26, '15.
Frame up\$537.50
Rough plumbing in..... 537.50
Completed 537.50
Usual 35 days..... 537.50
TOTAL COST, \$2150.00

Bond, \$1075. Surety, Pacific Coast Casualty Co. Limit, 90 days. Forfeit, none. Plans and specifications filed.

FRAME STORE

(974) SW NINTH AVE & MORAGA W 95 S 58 E 95 N to beg. All work for one-story and basement frame store building.

Owner.....Frederick Sulger, 142 6th, San Francisco.

Architect...C. O. Clausen, Hearst Bldg San Francisco.

Contractor..Wm. Little, 753 8th Ave., San Francisco.

Filed Mar. 30, '15. Dated Mar. 30, '15.
Frame up\$1289
Brown coated 1289
Completed and accepted..... 1289
Usual 35 days..... 1289

TOTAL COST, \$5156

Bond, \$2578. Surety, United States Fidelity & Guaranty Co. Limit, 70 days. Forfeit, none. Plans and specifications filed.

FRAME RESIDENCE

(975) E FORTY-SECOND AVE 275 S Balboa (B) S 25xE 120 O L 340. All work for two-story and basement frame residence.

Owner.....Emma L. and Edw. I. Titlow, 1283 2nd Ave., San Francisco.

Architect...None.

Contractor..W. F. Dulfer, 519 15th Ave., San Francisco.

Filed Mar. 30, '15. Dated Mar. 29, '15.
4 equal payments as follows:
Roof rafters in place.....
Brown coated
Accepted
Usual 35 days.....

TOTAL COST, \$3500

Bond, none. Limit, 90 days after Mar. 30. Forfeit, none. Plans and specifications filed.

FRAME DWELLING

(976) NO. 340 GERARD. One-story and basement frame dwelling.

Owner.....J. M. Boyd, Premises.

Architect...None.

Contractor..Jos. Maguire, 2259 San Bruno, San Francisco.

COST, \$400

ALTERATIONS

(977) NO. 1131 POLK. Alter front. Owner.....M. De Young, Chronicle Bldg., San Francisco.

Architect...None.

Contractor..Chas. Perry, 1672 Ellis, San Francisco.

COST, \$150

ALTERATIONS

(978) NO. 2552 FOLSOM. Raise and add foundation.

Owner.....R. Curtis, Premises.

Architect...None.

Day's work.....

COST, \$500

ALTERATIONS

(979) NO. 350 HEAD. Alter and add to dwelling.

Owner.....G. B. Thomsen, Premises.

Architect...None.

Contractor..O. Olsen, 260 Beverly, San Francisco.

COST, \$600

FRAME DWELLING

(980) E CORDOVA 75 N Seville. One story and basement frame dwelling. Owner.....St. George Holden, Crocker Bldg., San Francisco.

Architect...Owner.

Contractor..Allen & Knight, 4525 Mission, San Francisco.

COST, \$1700

CLASS "A" OFFICE

(981) N LONDON AND RUSSIA AVE NE 150xNW 50 Ptn Blk 4, Excelsior Hd Ass'n. All work for three-story and basement steel, brick and concrete Class "A" office building.

Owner.....The Pacific Telephone & Telegraph Co., 602 Sheldon Bldg., San Francisco.

Engineer...E. V. Cobby and C. W. Burkett.

Contractor..W. G. Thornalley, 565 16th, Oakland.

Filed Mar. 31, '15. Dated Mar. 29, '15.
On 1st of each month..... 75%
Usual 35 days..... 25%
TOTAL COST, \$37,495

Bond, \$18,750. Sureties, G. F. Bernard P. C. Frederickson and J. M. Carr. Limit, 119 days after April 2. Forfeit, \$50. Plans and specifications filed.

FRAME DWELLING

(982) E FIFTEENTH AVE 266-8 S Geary S 25x34xE 110-514 O L 230. All work for 6-room frame dwelling. Owner.....Jas. Welsh.

Architect...None.

Contractor..James Welsh & Co., 244 20th Ave., San Francisco.

Filed Mar. 31, '15. Dated Mar. 13, '15.
Rafters on.....\$1000
Brown coated 1000
Accepted 1000
Usual 35 days..... 1000

TOTAL COST, \$4000

Bond, none. Limit, 90 days after Mar. 20. Forfeit, plans and specifications, none.

FRAME COTTAGE

(983) LOT 18 BLK 23 Crocker Amazon Tract. All work for 5-room frame cottage.

Owner.....Leon Schneider, 354 Columbus Ave., San Francisco.

Architect...None.

Contractor..McMullin von Voorhies, 110 Jessie, San Francisco

Filed Mar. 31, '15. Dated Mar. 29, '15.
Frame up\$421
Brown coated 421
Accepted 421
Usual 35 days..... 422

TOTAL COST, \$1685

Bond, \$843. Sureties, J. W. Schouten and J. H. McCallum. Limit, 60 days from issuing permit. Forfeit, none. Plans and specifications filed.

ELECTRIC SIGN

(984) NO. 71 THIRD. Electric sign and alter marquee.

Owner.....Chas. F. W. Webber, Prem

Architect...None.

Contractor..Standard Sheet Metal Works, 718 20 Natoma, San Francisco.

COST, \$400

ELECTRIC SIGN

(985) SW FOURTH AND MARKET. Electric roof sign.

Owner.....Prudential Life Insurance Co., Pacific Bldg., S. F.
 Architect...None.
 Contractor...Brumfield Elec. Sign Co., 18 7th, San Francisco.
 COST, \$1990

FRAME STORE AND DWELLING
 (986) S JOEST 100 E Acadia. One-story and basement frame store and dwelling.

Owner.....Mrs. G. Lillie, 211 Acadia, San Francisco.
 Architect...None.
 Contractor...J. A. Kirby, 20 Nordin, San Francisco.
 COST, \$1200

ALTERATIONS
 (987) NOS. 1315-19 PACIFIC. Alter store.
 Owner.....Rathjen & Kupper, Prem.
 Architect...None.
 Contractor...Munster & Bornholdt, 1530 Broderick, S. F.
 COST, \$1800

FRAME DWELLING
 (988) W FORTY-FOURTH AVE 100 S Balboa. One-story and basement frame dwelling.
 Owner.....Thos. Scoble, 363 14th Ave. San Francisco.
 Architect...E. E. Young, 251 Kearny, San Francisco.
 Day's work. COST, \$2500

ALTERATIONS
 (989) NO. 530 HAIGHT. Alter front and interior of store.
 Owner.....M. J. Brandenstein.
 Architect...None.
 Contractor...T. Christian, 520 Haight, San Francisco.
 COST, \$400

ALTERATIONS
 (990) NO. 2812 BUSH. Alter flats.
 Owner.....J. Mouthy, Premises.
 Architect...None.
 Contractor...A. Birres, 1408 Sutter, San Francisco.
 COST, \$1000

ALTERATIONS
 (991) NO. 212 TRUMBALL. Alter.
 Owner.....Jos. Novello.
 Architect...None.
 Day's work. COST, \$400

FRAME FLATS
 (992) E THIRD AVE 175 N Balboa. Two-story and basement frame (2) flats.
 Owner.....P. Algot Nelson, 433 19th, San Francisco.
 Architect...None.
 Day's work. COST, \$4000

ADDITION
 (993) NO. 522 CLEMENT. Add one-story frame.
 Owner.....W. S. Thompson, Granada Hotel, San Francisco.
 Architect...None.
 Contractor...J. C. Dowlin, 122 4th Ave., San Francisco.
 COST, \$900

ADDITION
 (994) NO. 3058 OCTAVIA. Add three rooms.
 Owner.....J. Di Resta, Premises.
 Architect...None.
 Contractor...G. Ghezzi, 82 Valparigo, S. F.
 COST, \$450

CEMENT FLOOR
 (995) SW SANCHEZ AND JERSEY. Cement floor.
 Owner.....Mrs. Cunningham, 1152 Sanchez, San Francisco.
 Architect...None.
 Day's work. COST, \$400

FRAME RESIDENCE
 (996) W TWENTY-FIRST AVE 200 S California. Two-story and basement frame residence.
 Owner.....Robert F. Galway, 420 Pierce, San Francisco.
 Architect...None.
 Day's work. COST, \$3000

FRAME RESIDENCE
 (997) W TWENTY-FIRST AVE 225 S California. Two-story and basement frame residence.
 Owner.....Robert F. Galway, 420 Pierce, San Francisco.
 Architect...None.
 Day's work. COST, \$3000

ALTERATIONS
 (998) NO. 460 THIRTY-FIFTH AVE. New floor and alter front.
 Owner.....L. A. Webber, Premises.
 Architect...None.
 Day's work. COST, \$400

FRAME RESIDENCE
 (999) ASHBURY TERRACE Lot No. 7 Three-story and basement frame residence.
 Owner.....S. A. Born Bldg. Co., 660 Market, San Francisco.
 Architect...E. G. Bolles, 660 Market, San Francisco.
 Contractor...S. A. Born Bldg. Co., 660 Market, San Francisco.
 COST, \$5000

FRAME FLATS
 (1000) W EIGHTEENTH AVE 125 S California. Two-story and basement frame flats.
 Owner.....Grace Yager, 1539 Clay, San Francisco.
 Architect...None.
 Contractor, W. W. Yager, 1545 California, San Francisco.
 COST, \$4000

FRAME FLATS
 (1001) W EIGHTEENTH AVE 100 S California. Two-story and basement frame flats.
 Owner.....Grace Yager, 1539 Clay, San Francisco.
 Architect...None.
 Contractor, W. W. Yager, 1545 California, San Francisco.
 COST, \$4000

FRAME FLATS
 (1002) W EIGHTEENTH AVE 75 S California. Two-story and basement frame flats.
 Owner.....Grace Yager, 1539 Clay, San Francisco.
 Architect...None.
 Contractor, W. W. Yager, 1545 California, San Francisco.
 COST, \$4000

BRICK HOTEL
 (1003) S TWELFTH AND MARKET SW 25-11 SE 90 SW 50 SE 75 NE 75-11 NW 165. Wrecking, clearing, excavating, concrete, reinforced concrete, brick, carpenter, mill, roofing, tin and galvanized iron, glass and glazing, rough hardware, marble and mosaic, tile, lath and plaster for five-

story brick and steel frame hotel.
 Owner.....L. I. Dehail.
 Architect...W. H. Crim Jr., 425 Kearny, San Francisco.
 Contractor...Thos. Blam & Son, 180 Jessie, San Francisco.
 Filed Apr. 1, '15. Dated Mar. 25, '15.
 On 1st and 15th of each month 75%
 Usual 35 days..... 25%

TOTAL COST, \$40,900
 Bond, \$20,500. Surety, The Aetna Accident & Liability Co. Limit, 110 days after steel completed. Forfeit, \$25. Plans and specifications filed.

(1004) **STRUCTURAL IRON & STEEL** work on above.
 Contractor...Judson Mfg. Co., 819 Folsom, San Francisco.
 Filed Apr. 1, '15. Dated Mar. 25, '15.
 Payments same as above.....

TOTAL COST, \$11,379
 Bond, \$5700. Surety, Hartford Accident & Indemnity Co. Limit, 40 days. Forfeit, \$20. Plans and specifications filed.

FRAME FLATS
 (1005) N LOMBARD 114 W Leavenworth W 34-4½xN 137-6. All work for two-story and basement frame flats.
 Owner.....Amy C. Booth.
 Architect...W. G. Hind, 46 Kearny, San Francisco.
 Contractor...J. S. Hannah, Williams Bldg., San Francisco.
 Filed Apr. 1, '15. Dated Mar. 30, '15.

Rustic and roof on.....\$1934.25
 Brown coated 1934.25
 Completed and accepted..... 1934.25
 Usual 35 days..... 1934.25
 TOTAL COST, \$7737.00
 Bond, \$3868.50. Sureties, G. W. Cushing and J. D. Hannah. Limit, 75 days. Forfeit, \$5. Plans and specifications filed.

APARTMENTS
 (1006) N UNION 27-6 W Baker W 27-6 xN 110. All work for three-story and basement frame (6) 4-room apartments.
 Owner.....Mary Stein.
 Architect...C. O. Clausen, Hearst Bldg San Francisco.

Contractor...Ratto & Ratto, 232 Hartford, San Francisco.
 Filed Apr. 1, '15. Dated Mar. 31, '15.
 Frame up\$2900
 Brown coated 2900
 Completed and accepted..... 2900
 Usual 35 days..... 2900
 TOTAL COST, \$11,600
 Bond, none. Limit, 90 days. Forfeit, \$5. Plans and specifications filed.

DWELLING
 (1007) W TWENTY-SEVENTH AVE 31 N Anza. One-story and basement frame dwelling.
 Owner.....Oscar Heyman & Bro., 742 Market, San Francisco.
 Architect...None.
 Day's work. COST, \$1750

DWELLING
 (1008) W TWENTY-SEVENTH AVE 63 N Anza. One-story and basement frame dwelling.
 Owner.....Oscar Heyman & Bro., 742 Market, San Francisco.
 Architect...None.
 Day's work. COST, \$1750

(1009) N ANZA 100 E 15th Ave. Two-story and basement frame dwelling.

Owner.....Gus Thunberg and John Johnson, 640 9th Ave., S. F.
Architect...None.
Contractor..Gus E. Thunberg, 640 9th Ave., San Francisco.
COST, \$2900

FRAME DWELLING

(1010) N ANZA 72-6 E 15th Ave. Two-story and basement frame dwelling.
Owner.....Gus Thunberg and John Johnson, 640 9th Ave., S. F.
Architect...None.
Contractor..Gus E. Thunberg, 640 9th Ave., San Francisco.
COST, \$2900

FRAME RESIDENCE

(1011) E COMMONWEALTH AVE
366.8 S California S 50xE 120 W A 157
All work for two-story frame residence.
Owner.....W. H. Cobb, 785 Market, San Francisco.
Architect...None.
Contractor..Parkside Home Bldg. Co., Crocker Bldg., S. F.
Filed Apr. 2, '15. Dated Apr. 1, '15.
Rough frame completed.....\$2712.50
Brown coated 2712.50
Completed and accepted..... 2712.50
Usual 35 days..... 2712.50
TOTAL COST, \$10,850.00
Bond, \$5425. Sureties, Wm. Trebell, Edwin Schwab and L. V. Riddle. Limit, 140 days. Forfeit, \$1. Plans and specifications filed.

S 120. All work for three-story and basement frame apartments.
Owner.....Mary Heineman and Alice Marx.
Architect...Earl B. Scott, Humboldt Bank Bldg., S. F.
Contractor..Arthur W. Bryant, 1247 9th avenue, S. F.
Filed, April 3, '15. Dated, March 31, '15.
Frame up\$4700
Brown coated 4700
Completed and accepted 4700
Usual 35 days 4700
TOTAL COST, \$18,800
Bond, \$9400. Sureties, Hartford Accident and Indemnity Co. Forfeit, \$10. Limit, 120 days from recording. Plans and specifications filed.

(1013) NE FOURTH and Natoma, N 51-2xE 82-6. All work for three-story and basement Class "C" stores and rooming house.
Owner.....Morris Levi and Max Levi, 202 E-Main, Stockton.
Architect...Oser Bros., Post st., S. F.
Contractor..William Little, 753 8th avenue, S. F.
Filed, April 3, '15. Dated, March 29, '15.
Excavation, concrete walls piers and footings completed.\$1500
Brick work up to level 2nd floor joists 2000
Brick work, carpenter and roof completed 5200
Plastering and sheet metal work completed 2600
Accepted 3775
Usual 35 days 5025
TOTAL COST, \$20,100
Bond, \$10,500. Sureties, U. S. Fidelity and Guaranty Co. Forfeit, \$12.50. Limit, 90 days from April 5, 1915. Plans and specifications filed.

(1014) W TREAT Ave., 95 N 22nd, N 30xW 122-6. All work except electric fixtures for two-story and basement frame apartments.

Owner.....H. P. Chadbourne, 1482 California, S. F.
Architect...Chas. J. Rousseau, 46 Kearny street, S. F.
Contractor..Ellingson & Holt, 3854 Army street, S. F.
Filed, April 3, '15. Dated, April 2, '15.
Roof on and building enclosed.\$2270
Brown coated on exterior and interior 2270
Completed and accepted 2270
Usual 35 days 2271
TOTAL COST, \$9081
Bond, Sureties, Forfeit, none. Limit, 90 days from date of receipt of building permit. Plans and specifications filed.

INCORPORATIONS

Commercial Machine Works and Supply Company. To manufacture and deal in pumps, motors, engines and machinery. Capital Stock, \$190,000; 100,000 shares at \$1 each; amount subscribed, \$15. Place of business, San Francisco. Directors—J. L. Sebastian, D. O. Mark, W. W. Price, 5 shares each.

Panama Puzzle Company. To exploit a certain patented puzzle. Capital Stock, \$25,000; 25,000 shares at \$1 each; amount subscribed, \$3. Place of business, San Francisco. Directors—E. A. Nelson, Jr., L. H. Moise, L. R. Glavis, 1 share each.

The Fruit Stick Company. To deal in candies and confectionery. Capital Stock, \$10,000; 1000 shares at \$10 each; amount subscribed, \$30. Place of business, San Francisco. Directors—F. H. Lynch, J. Canty, W. H. Duane, 1 share each.

The San Francisco Players. Social. No capital stock. 5 directors. Place of business, San Francisco.

Northern Fruit Company. To act as agents, brokers and commission agents. Capital Stock, \$25,000; 25,000 shares at \$1 each; amount subscribed, \$3. Place of business, San Francisco. Directors—J. A. De Back, Thos. De Matei, J. H. Von Husen, 1 share each.

I. D. Zelinsky & Sons, Inc., to construct, alterate and improve houses and buildings. Capital stock \$200,000; amount subscribed, \$3,000; 200,000 shares at \$1.00 each. Place of business, San Francisco. Subscribers—D. Zelinsky, C. Zelinsky, H. Zelinsky, 1 share each.

Red Front Plumbing and Hardware Co., general plumbing and hardware business. Capital stock, \$10,000; 10,000 shares at \$1.00 each. Amount subscribed, \$4,002. Place of business, San Francisco. Subscribers—C. B. Price, W. C. Middleton, 1 share each; F. J. Price, 4,000 shares.

The Chinese Festival Company; general amusement and theatrical business. Capital stock, \$25,000; 25,000 shares at \$1.00 each. Amount subscribed, \$3. Place of business, San Francisco. Subscribers—R. Lubelski, J. Lubelski, T. Lubelski, 1 share each.

LEASES

Mar. 29, 1915 NO. 123 FOURTH SE Cor. Minna. William P Carroll to G. Tachman and J. Gumbinger. 2 years. \$1800.

Mar. 30, 1915 N GOLDEN GATE AVE 198 W Leavenworth W 22N 85. Robert O Hoffman to Margaret Todd. 5 years. \$6240. Assigned to Agnes

Wilkins and Wm Leseberg. \$900.
Mar. 31, 1915—NO. 202 THIRD. Boyd Investment Co to G J Teck. 3 years 1 months. \$5100.

Mar. 29, 1915—BUILDING ON SLOAT Blvd adj building on Great Highway adj building on NE Great Highway and Ocean Boulevard. Patrick Broderick and John J Barrett to Chris Stathis. 43 months. \$4945.

April 3, 1915—N EIGHTEENTH, 150 W Sanchez—100 N 114 E 100, S 114. J. and Marie Jacquemet to Paul Silva, D. Delucca and M. Leornardini. Dec. 31, 1923\$50
April 3, 1915—1800 O'FARRELL NW corner Steiner. Daniel J. Murphy to John Wertsching, 3 years \$5240

Mar. 31, 1915—NO. 2524 MISSION W line bet. 21st and 22nd. E G Denniston to M Lossman. 5 Years. \$6600.

NOTICE OF NON-RESPONSIBILITY.

Mar. 26, 1915—S DURANT AVE 131.03 W Piedmont Way S 143.54 W 150 N 123.24 E 151.38, Bkly. Antoinette Maglee Burk as to improvements on leased property
April 3, 1915—N PINE 112 E Octavia E 50-6xN 137-6. Grace Noble as to improvements on leased property.

CO-PARTNERSHIP.

James Rutescauser as Exposition Garage.
Same as Exposition Auto Supply Co.

COMPLETION NOTICES.

San Francisco

Mar. 27, 1915—N COLLEGE AVE 542-5% W Mission W 25xN 95. Frank B and Marie L Milton to Leigh & Schultz.....Mar. 27, 1915
Mar. 27, 1915—SW EDDY & HYDE W 137-6xS 137-6. W E Dean to Golden Gate Iron Wks..Mar. 25, 1915
Mar. 27, 1915—N CLEMENT 152-6 W 14th Ave W 25xN 100. Conservative Bldg & Invest Co to whom it may concern.....Mar. 26, 1915
Mar. 27, 1915—NW EDDY & FILLmore W 137-6xN 137-6. J R Hanify to The Turner Co, Mar. 26; Thos J Guilfooy, Guilfooy Cornice Works..March 26, 1915
Mar. 29, 1915—NW VAN NESS AVE and Chestnut W to a point 125.18 m or l W Scott S 205.4 m or l W 124.8 S to N Lombard th to W Lyon N to Bay of San Francisco E to Van Ness Ave S to beg excepting Fort Mason and W A Blks 249-250. Panama-Pacific International Exposition to Raisch Imp Co Mar. 20; Same to Same, Mar. 20, 1915
Mar. 29, 1915—E BRYANT & ZOE NE 35xSE 97-6. O'Brien Kiernan Realty Co to whom it may concernMarch 29, 1915
Mar. 29, 1915—LOT 15 BLK 15 Crocker Amazon Tract. John Bjorkman to whom it may concern..Mar. 27, '15
Mar. 29, 1915—S LOMBARD 220 W 136xS 27-6 S 84-11 E 27-6 N 84-11. Dora Finkelstein and Sam Kantrow to C. Wehrand Mar. 27, '15
Mar. 29, 1915—E MASON 62-6 S Sutter E 75xS 35. O'Brien Kiernan Realty Co to Dyer Bros Golden West Iron Works.....Mar. 20, 1915
Mar. 30, 1915—VALIENCIA NOS 1155-1156, E line bet. 22nd and 23rd.

Harriet M Stevens to T Loncono and Henry C Smith...Mar. 25, 1915
Mar. 30, 1915—EXPOSITION SITE. Panama-Pacific International Exposition Co to Palmer, McBryde & Quayle...Mar. 29, 1915
Mar. 30, 1915—EXPOSITION SITE. Republic of France to McRorie McLaren Co...Mar. 29, 1915
Mar. 30, 1915—W EIGHTEENTH AVE 300 S Anza S 50xW 120. John S Purcell to whom it may concern...March 30, 1915
Mar. 30, 1915—EXPOSITION SITE. (Booth in Palace of Horticulture) Pacific Coast Syrup Co to C M Waite & Co...Mar. 27, 1915
Mar. 29, 1915—LOT 8 BLK 6 Crocker Amazon Tract. Margaret Hopkins to whom it may concern...Mar. 27, '15
Mar. 29, 1915—S RAILWAY AVE 195 E Dolores E 25x115. John W Doherty to Thos McCormick...March 27, 1915
Mar. 30, 1915—SW NIAGARA AVE 89.58 NW Mission 25x80 Ptn Blk 3 West End Map No. 1. Louis J Roberts to whom it may concern...Mar. 30, 1915
Mar. 31, 1915—N CLEMENT 127-6 W 14th Ave W 25xN 100. Conservative Bldg & Invst Co to whom it may concern...Mar. 30, 1915
Mar. 31, 1915—W TENTH AVE 50 S Balboa S 25x95. Oscar Lind to whom it may concern...Mar. 30, 1915
Mar. 31, 1915—EXPOSITION SITE. Canadian Pacific Railway Co to Foster Vogt Co, Inc...Mar. 25, 1915
Mar. 31, 1915—E TENTH AVE 150 S Balboa 50x100. D H Yarnall to Ruegg Bros...Mar. 29, 1915
Mar. 31, 1915—NW STOCKTON AND O'Farrell. Cafe Rex to F L Hansen...Mar. 30, 1915
Mar. 31, 1915—W TWENTY-SIXTH AVE 125 N Lake N 25x120. Metropolis Investment Co to whom it may concern...Mar. 27, 1915
Mar. 31, 1915—SW SACRAMENTO & Webster W 82xS 36. Maud Warwick to whom it may concern...March 30, 1915
Mar. 31, 1915—EXPOSITION SITE. Holt Mfg Co to Lange & Bergstrom...Mar. 29, 1915
Mar. 31, 1915—E EIGHTEENTH AVE 50 S Geary. Martin and Hans Nelson to whom it may concern...March 30, 1915
Mar. 31, 1915—W TWENTY-SIXTH AVE 168 N Clement 25x120. Emil Nelson to whom it may concern...March 31, 1915
Apr 1, 1915—EXPOSITION SITE. A Heinman to Exposition Exhibit Co...Feb. 22, 1915
Apr. 1, 1915—W TWELFTH AVE 75 N Anza N 25xW 120. Jos C Kirby to whom it may concern...Apr. 1, 1915
Apr. 1, 1915—EXPOSITION SITE. General Electric Co to Lange & Bergstrom...Mar. 23, 1915
Apr. 5, 1915—E POWELL 137-6 N California N 68-9xE 137-6. A W Wilson and Jos Martin to J Looney Co, Inc...April 2, 1915
Apr. 1, 1915—S HIGHLAND AVE 393-8 E Mission 25x100. Ernst and Jenne Homburg to Smith Bros...April 1, 1915
Apr. 1, 1915—E COLE 50-9 N Carmel Charles C Del Curo to Currie & Currie...April 1, 1915
Apr. 2, 1915—NE SIXTEENTH AND Capp N 90xE 150. S F Labor Council Hall Ass'n to Kiernan &

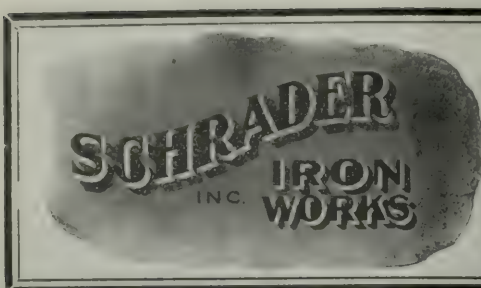
O'Brien...Mar. 12, 1915
Apr. 2, 1915—SW SANSOME AND California. Fireman's Fund Insurance Co to Jos Musto Sons-Keenan Co, Mar. 25; McGilvray Stone Co...Mar. 30, 1915
Apr. 2, 1915—W SIXTEENTH AVE 103 N Clement N 75xW 120. J M Peters to whom it may concern...March 18, 1915
Apr. 2, 1915—E COOK 238-11 N Geary N 25xE 100. Catherine Dixon to M Hardy...Mar. 30, 1915
Apr. 2, 1915—N LOWER TERRACE 178 W Pluto W 25xN 100. Anna F Lundin to Karl Yngve...Mar. 26, 1915
Apr. 2, 1915—LOT 20 BLK 12, Crocker Amazon Tract. S Wiley Winsor to whom it may concern...Mar. 31, 1915
Apr. 2, 1915—COMG. 391.17 NE from NE Naples & — NE 23.37 NW 100 SW 26 SE 100 Lot 21 Blk 6448 Crocker Amazon Tract. McMullin von Voorhies to whom it may concern...March 31, 1915
Apr. 2, 1915—S BUSH 134 E Van Ness Ave E 25xS 120. Geo W Woodward to McMullin-von Voorhees...March 31, 1915
Apr. 2, 1915—N GREEN 118-1 1-5 E Franklin E 27-6x... 137-6. James Cantley to Schroeder & McIntosh...April 2, 1915

LIENS FILED

SAN FRANCISCO COUNTY.

Mar. 27, 1915—SW HOWARD AND Spear W 137-6xS 137-6. Federal Sign System Electric vs J Chas Green Co and Folger Estate Co.\$450
Mar. 27, 1915—EXPOSITION SITE. Chas F Rose vs J H Stoutenbarpush, Panama-Pacific International Exposition, Austrian Concessions Co, Geo E and E M Schneider..\$2500
Mar. 27, 1915—EXPOSITION SITE. G & M Sheet Metal Works vs The Austrian Concessions Co, Panama-Pacific International Exposition, Geo E and E M Schneider...\$123.20
Mar. 27, 1915—EXPOSITION SITE. Wilson Bros & Co vs Marine Gardens & Cafe Co and Panama-Pacific International Exposition Co...\$1479.24
Mar. 27, 1915—E JOICE 109 S Sacramento S 28-6xE 69-6. The Gas & Elec Appl Co vs S C Harshbarger and W R Bell...\$504
Mar. 27, 1915—E JOICE 109 S Sacramento S 28-6 E 70 N 30-6 W 10 S 2 W 60. Bennett Bros vs S C Harshbarger...\$120
Mar. 27, 1915—EXPOSITION SITE. Thos Leonard and J E Davenport (as Leonard Lumber Co) vs Austrian Concessions Co, Geo E and E M Schneider and Panama-Pacific International Exposition Co...\$104
Mar. 27, 1915—SW LOMBARD AND Steiner W 30xS 85; S Lombard 30 W Steiner W 25xS 85; S Lombard 55 W Steiner W 25xS 85; S Lombard 80 W Steiner W 25xS 95; S Lombard 105 W Steiner W 190xS 95; S Lombard 130 W Steiner W 125xS 95; W Steiner 85 S Lombard S 85xW80. E B and A L Stone vs Cath Scalmanini, Madaline Frapoli, Marina Marsicano, Frank & Amelia Frapoli, Adele Martinon, Leonide Martinon, Constance Martinon and P H Ellendahl...\$169.40
Mar. 29 1915—W TAYLOR 100 S

Sutter S 37-6xW 137-6. Diamond Prick Co vs Badge J Wyman and Louis Gilbertsen...\$109.15
Mar. 29, 1915—E JOICE 109 S Sacramento S 28-6 E 70 N 30-6 W 10 S 2 W 60. Theo Binner vs Wm R Bell and S C Harshbarger...\$35
Mar. 29, 1915—SE EDINBURGH 100 NE Brazil Ave NE 50xSE 100. Geo F West vs Paul Andro and Catherine Marque...\$164.45
Mar. 29, 1915—EXPOSITION SITE. The Hill Bros Co vs Young's Restaurant Co and Panama-Pacific International Exposition Co...\$97.25
Mar. 29, 1915—E JOICE 109 S Sacramento S 28-6 m or l E 59-6 m or l N 30-6 m or l W 9-6 m or l S 2 m or l W 60. Ickelheimer Bros vs S C Harshbarger...\$120
Mar. 29, 1915—S BROADWAY 100 W Polk W 23-6xS 137-6. George Rehn vs Eva S and James B Markel Jr...\$81
Mar. 29, 1915—W SANCHEZ 114 N 24th N 25xW 101-9. Alwin Wilfert vs Leland Spencer...\$112.90
Mar. 29, 1915—NW MARKET AND W East to Commercial W to a pt 481-8 E Drumm S 59-9 E 45-8 N 59-9 E to Market E to beg, City slips Lots 118, 119, 121, 122. H J Hughes vs Henry Cowell Lime & Cement Co...\$770
Mar. 29, 1915—N CALIFORNIA 25 W Leavenworth W 25xN 75. William A Hayes vs Gerard Invst Co, Rousseau & Rousseau, Arthur and Oliver Rousseau...\$165
Mar. 22, 1915—NW TWENTY-THIRD and San Jose Ave. The Greater City Lumber Co vs M Trukamoto and A W Burnett...\$40
Mar. 31, 1915—E JOICE 109 S Sacramento S 28-6 E 70 N 30-6 W 10 S 2 W 60. Pioneer Plate & Window Glass Co vs S C Harshbarger and Wm R Bell...\$186.25
Mar. 31, 1915—EXPOSITION SITE. J E Steere vs Chevalier Cesare Formilli...\$12,000.65
Mar. 31, 1915—EXPOSITION SITE. Fibrestone & Roofing Co vs Panama-Pacific International Exposition and Young's Restaurant...\$90
Mar. 31, 1915—E JOICE 109 S Sacramento S 28-6 E 69-6 and an L 2x 9-6. Terranova Bros vs Wm R Bell S C Harshbarger...\$350
Mar. 31, 1915—W FOURTH AVE 75 S Anza S 25xW 95. Joseph Deasy vs John F Haner...\$209.77
Mar. 31, 1915—W BUCHANAN 72 N Francisco W 70 S 57 W 62 N 51 W 23 N 86 E 191 S 80 W 36. Pacific Hardware & Steel Co vs Marine Gardens & Cafe Co and Panama-Pacific International Exposition Company...\$389.68
Mar. 31, 1915—E JOICE 109 S Sacramento S 28-6 E 70 N 30-6 W 10 S 2 W 60. Empire Planing Mill, \$252.25; Fibrestone & Roofing Co, \$70; J W Schouten & Co, \$388.39 vs S C Harshbarger and Wm R Bell
Apr. 1, 1915—E JOICE 109 S Sacramento S 28-6 E 70 N 30-6 W 10 S 2 W 60. Reinhart Lumber & Planing Mill Co vs Wm R Bell and S C Harshbarger...\$617.70
Apr. 2, 1915—E JOICE 109 S Sacramento S 28-6 E 70 N 30-6 W 10 S 2 W 60. P Grassi & Co vs S C Harshbarger and Wm R Bell...\$121
Apr. 2, 1915—E JOICE 109 S Sacramento S 28-6x69-6 with L 2x9-6. Bell's Wall Beds vs S C Harshbar-



Structural Steel Contractors

**Works at
HARRISON ST.,
bet. 8th & 9th
San Francisco**

Telephone Market 337

GET\$180
 Apr. 1, 1915—S BUSH 103-033 E Grant Ave E 34-5%XS 60. McGlinchey & Monaghan vs Agnes V. Drury and W R Bell.....\$53.50
 Apr. 1, 1915—E JOYCE 109 S Sacramento S 28-6 W 70 N 30-6 W 10 S 2 W 60. W & J Sloan, \$27.50; McGlinchey & Monaghan, \$185.95 vs H C Harshbarger and W R Bell..
 Apr. 1, 1915—E JOICE 109 S Sacramento S 28-6xE 60-6. Hicks-Foltecpn vs S C Harshbarger and Wm R Bell.....\$113
 Apr. 1, 1915—E JOICE 109 S Sacramento S 28-6x69-6 with an L 2x9-6. J. B Hooker vs Wm R Bell and H C Harshbarger.....\$20
 Apr. 2, 1915—E JASPER (Union Pl) 93-1 1/2 N Green N 11-6xE 58-6. W C Premus vs Felice Torriggino and Antonio Ferreccio.....\$901.85

RELEASE OF LIENS

SAN FRANCISCO COUNTY.

Mar. 29, 1915—S HAYES 165 W Laguna W 25xS 100. A Lettich to F J Durham and J J and M E Silvey.....\$141.40
 Mar. 30, 1915—NW O'FARRELL 80 W Divisadero W 195 N 137-6 E 150 S 75 E 25 S 25 E 20 S 87-6. E J Carroll and Payne's Bolt Works to Young & Swain Baking Co.....
 Mar. 30, 1915—EXPOSITION SITE. Pacific Fire Extinguisher Co to State of Pennsylvania, Panama-Pacific International Exposition Co and Lange & Bergstrom.....
 Mar. 30, 1915—NW POST & STOCKTON N 137-6xW 137-6. Clark & Dickson to Blanche M Burbank and John or John G Barkee.....\$607
 Apr. 1, 1915—NW O'FARRELL 80 W Divisadero W 195 N 137-6 E 150 S 25 E 25 S 25 E 20 S 87-6. Fibrestone & Roofing Co and E B & A L Stone Co to The Young & Swain Baking Co.....
 Apr. 1, 1915—NW POST & STOCKTON N 137-6xW 137-6. Continental Fireproofing Co, Western Furnace & Cornice Co, Kiernan & O'Brien, California Plate & Window Glass Co, Clarke & Dickson, S F Drayage Co, John McGuigan & Co, Hooper Lumber Co, Standard Crushed Rock Co, Gladding McBean & Co, Pacific Portland Cement Co, Consolidated, Edward L Soule, Bay Development Co, Enterprise Elec Works to Blanche M Burbank.....
 Apr. 2, 1915—N O'FARRELL 80 W Divisadero W 195 N 137-6 E 150 S 75 E 25 S 25 E 20 S 87-6. John McGuigan & Co, Kottick Bldg Mfg Co to The Young & Swain Baking Co.....

OAKLAND AND ALAMEDA COUNTY.

APARTMENT HOUSE—3 story and base, brick and steel, \$22,000. Berkeley, Alameda Co., Cal. Architect, Clay N. Burrell, Albany Block, Oakland. Owner's name withheld. The building will be erected on Shattuck avenue, having a frontage of 80 feet and a depth of 90 feet. The first floor has been arranged to contain three modern stores besides the entrance to the apartments above. Upper two floors will contain a total of 16 suites of two and three rooms. Each apartment will have private baths and wall beds. Interior will be finished in pine with some elm panels and hardwood floors. There will be steam heat and a hot water supply. Patent store fronts will be used on the first floor. Baths will have tile wainscot and composition floors. Exterior of the building will be faced with pressed brick trimmed with terra cotta. Plans are now being prepared.

APARTMENT HOUSE—3 story and base, frame. Cost not stated. Berkeley; Alameda Co., Cal. Architect, W. L. Schmoller, 166 Geary street, S. F. Owner, Mrs. L. Dabney. The building will be erected at the southeast corner of College avenue and Derby street, Berkeley, and has been designed to contain three stores on the first floor with a number of two and three room suites on the upper two floors. Each apartment will have wall beds and private bath rooms. Bath rooms will be finished in tile with composition floors. Interior trim will be of pine and redwood with some elm panels. There will be steam heat and a hot water supply. Exterior of the building will be covered with cement plaster on metal lath. Plans are complete and figures are being taken.

RESIDENCE—2 story and base, frame, \$6,000. Oakland, Cal., Architect, none. Owner, George H. Freear, Holbrook Bldg., S. F. The dwelling will be erected in the Crocker Highlands Tract, and has been designed for an eight-room house with two bath and sleeping porch. Interior finish will be of pine and hardwood with white enamel in the bed rooms. Hardwood floors will be used in the living room, dining room and reception hall. There will be furnace heat and open fire places. Mantels will be of tile or brick. Bath rooms will be finished in tile and will be equipped with showers. A hot water circulating system will be installed. Exterior of the dwelling will be covered with cement plaster on metal lath. A separate garage will be erected on the rear of the property. Plans are complete and in the hands of the owner who will do the work by Day Labor.

RESIDENCE—2 story and base, frame, \$4,500. Berkeley, Alameda Co., Cal. Architect, none. Owner, E. B. Spittler, 815 Oxford street, Berkeley. The dwelling will be erected on the east side of Alvarado road north of the Tunnel road, and has been designed to contain seven rooms, bath and sleeping porch. Interior will be finished in pine and redwood with white enamel in the bed rooms. Hardwood floors will be used in the living room, dining room and reception hall. There will be furnace heat and open fire places. Mantels will be of tile or brick. Bath room will have tile floor and wainscot. An automatic water heater will be installed. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are complete and in the hands of the owner, who will do the work by Day Labor.

APARTMENT HOUSE—2 story and base, frame, \$15,000. Oakland, Cal. Architects, Bonte & L'Hommedieu, Syndicate Bldg., Oakland. Owner, Elizabeth C. Castle. The building will be erected at the corner of Perkins and Van Buren streets, and has been designed to contain ten apartments of three rooms each. Interiors will be finished in pine and redwood with some elm panels. Hardwood floors will be used in the living and dining rooms. Plans provide for steam heat and a hot water system. All apartments will have private baths and wall beds. Bath rooms will be finished with tile wainscot and composition floors. Exterior of the building will be covered with cement plaster on metal lath. Plans are complete and figures are now being taken by the architects.

CITY HALL EXTERIOR AND INTERIOR LIGHTING EQUIPMENT—Cost not stated. Oakland, Cal. Architects, Palmer & Hornbostel. Owners, City of Oakland. Bids opened for the exterior lighting equipment and interior lighting fixtures shows the following firms low: Exterior lighting equipment, proposition No. 1, H. S. Tittle, \$5,550; proposition No. 2, The English Company, \$6,700. Interior lighting fixtures, Maxwell Hardware Co., \$940. Bids were referred to the City Attorney and Public Buildings Committee for further action.

FACTORY—4 story and base, reinforced concrete, \$125,000. Oakland, Cal. Architects, Hobart & Cheney, Crocker Bldg., S. F. Owners, Shredded Wheat Biscuit Co. Plans for the four-story reinforced concrete factory building which is to be erected in Oakland by the Shredded Wheat Biscuit Co. have been called in by the architects. Revisions in the floor space arrangements and other minor changes will be made. Revised plans will be out again in about two weeks.

GARAGE—1 story and base, frame, \$13,000. Oakland, Cal. Architect, Walter D. Reed, Oakland Bank of Savings Bldg., Oakland. Owner, Walter Arnstein. The building will be erected at the gore corner of 28th and Webster streets and will cover a considerable ground area. The entire space will be arranged for storage purposes. There will be a cement floor. No interior trim is specified. Special gasoline storage tanks are included in the work. The exterior of the building will be covered with cement plaster on metal lath. Plans are complete and

figures will be taken in about two weeks.

RESIDENCE—2 story and base, frame. Cost not stated. Oakland, Cal. Architect, Carl Geilfuss, 16 Kearny street, S. F. Owner, Miss Olson. The dwelling has been designed for a seven-room house with bath and sleeping porch and will be erected on Lake Shore Drive. Interior finish will be of white enamel throughout. Hardwood floors will be used in the living room, dining room and reception hall. There will be furnace heat and open fire places. Mantels will be of tile and brick. An automatic water heater will be installed. Bath rooms will be finished in tile. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are now being prepared.

SCHOOL—2 story and base. Class B construction, \$70,000. Berkeley, Alameda Co., Cal. Architect, W. H. Ratcliff, Jr., First National Bank Bldg., Berkeley. Owners, City of Berkeley. The building will be erected at the corner of Oregon and Russell streets, and has been designed to contain twelve class rooms and a large auditorium. Exterior walls will be of brick. The first floor and stairway and corridors will be of concrete. Interior finish will be of pine. Maple floors will be used in the class rooms. Plans provide for a central heating system, oil burning plant, vacuum cleaning, program clocks and slate blackboards. Exterior of the building will be faced with pressed brick. Plans are complete and figures are now being taken. Bids will be opened on April 23rd at 10 a. m. Plans and specifications can be secured from the architect.

RESIDENCE—1 story and base, frame, \$3,000. Piedmont, Alameda Co., Cal. Architect, Merrill Newsom, 1748 Broadway, Oakland. Owner, J. Higgins. The dwelling has been designed for a six-room house with bath and sleeping porch. Interior will be finished in pine and redwood. Hardwood floors will be used in the living and dining rooms. Bath rooms will have tile wainscot. An automatic water heater will be installed. Plans provide for a large open fire place in the living room. Mantel will be of brick. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are complete and the work will be done by Day Labor.

RESIDENCE—1 story and base, frame, \$2,500. Oakland, Cal. Architect, Universal Drafting Bureau, 1844 5th avenue, Oakland. Owner, J. Baughman. The dwelling has been designed for a five-room house and will be erected on 17th street near 5th avenue. Interior will be finished in pine throughout. Hardwood floors will be used in the living and dining rooms. There will be an open fire place and tile or brick mantel. Bath room and kitchen will have tile wainscot. Exterior of the house will be covered with cement plaster on metal lath. Plans are being prepared and when complete the work will be done by Day Labor.

RESIDENCE—2 story and base, frame, \$3,500. Oakland, Cal. Architects, Universal Drafting Bureau, 1844 5th avenue, Oakland. Owner, Mrs. Jenks. The dwelling has been designed for a seven-room house with bath and sleeping porch and will be erected on

College avenue. Interior will be finished in pine and hardwood veneer. Hardwood floors will be used in the living and dining rooms. There will be furnace heat and open fire places. Mantels will be of tile and brick. Bath room will have tile wainscot. An automatic water heater will be installed. Exterior of the house will be covered with cement plaster on metal lath. Plans are being prepared and when complete the work will be done by Day Labor.

Bids For Oakland City Hall.

Bids Were Opened for Exterior Lighting Equipment and Interior Fixtures for New City Hall.

Bids were opened on Thursday afternoon by the Oakland City Council for furnishing the exterior lighting equipment and interior lighting fixtures for the new City Hall. Following is a complete list of these bids:

Exterior Lighting Equipment.

Bidder	Prop. 1	Prop. 2
The English Co.....	\$5,945	\$6,700
H. S. Tittle.....	5,550	9,225
Rex Elec. Constr. Co..	5,753	7,528
Butte Eng. & Elec. Co..	6,333	7,000

Interior Lighting Fixtures.

The English Co.....	\$1,427.50
Maxwell Hardware Co....	940.00

Bids were referred to the City Attorney and Public Buildings Committee for further action.

Building Contracts Awarded.

Oakland.

No.	Owner.	Contractor	Amt.
No.	Owner	Contractor	Amt.
548	Frick	Alder	2000
549	McWilliams	McWilliams	2100
550	Nelson	Nelson	2500
551	Stiefater	Lindholm	425
555	Donant	Banning	6650
556	Perata	Uccello	400
558	Partridge	Barnet	1250
559	Fritz	Fritz	1000
560	Brattstrom	Owner	2500
561	Bennett	Higgins	500
562	Mangini	Barbagelatta	400
563	Associated Oil	Owner	600
566	Mutual Rlty	Owner	500
567	Lalaine	Valente	400
572	Lascurettes	Morilhat	1680
573	Ger Old People	Mantell	2920
574	Same	Doell	5758
575	Same	Same	5499
576	Donovan	Gates	1800
577	Brandt	Stevens	750
581	Smith	Knowles	600
582	Okl Bk Svgs	Walker	15000
583	Everson	Field	3000
584	McCarty	Patton	5468
585	Caspar	Brown	1875
586	Presley	Whitford	1500
587	Stone	Harris	1800
588	Boeth	Whalin	9000
589	Burger	Burger	2500
590	Wright	Allen	600
591	Brasio	Stewart	500
592	Azivedo	Azivedo	400
593	Hinch	Hinch	2500
595	Paul	Bertelsen	3774
596	Jennings	Field	1347
597	Burman	Fansey	278

DWELLING

(548) E SEMINARY AVE 120 S Scenic Way, Oakland. One-story 5-room dwelling.

Owner.....W. P. Frick, 1306 Broadway, Oakland.

Architect...None.

Contractor...A. Alder, 2487 62nd Ave., Oakland.

COST, \$2000

DWELLING

(549) W PARK BOULEVARD 500 N

Hampel, Oakland. One-story 6-room dwelling.

Owner.....R. A. McWilliams, 5845 Ayala, Oakland.

Architect...None.

Day's work. COST, \$2100

DWELLING

(550) E DESMOND 107 N Coronado, Oakland. One-story 5-room dwelling

Owner.....N. L. Nelson, 514 66th, Okd.

Architect...None.

Contractor...O. E. Nelson, 525 66th, Okd

COST, \$2500

ALTERATIONS

(551) NO. 2345 HIGH, Oakland. Alter

Owner.....A. P. Stiefater, Premises.

Architect...None.

Contractor...J. M. Lindholm, 1717 Wood, Alameda.

COST, \$125

FRAME DWELLING

(555) E GRAND AVE 100 S Weldon S 50xE 120, Oakland. All work for two-story and basement frame dwlg.

Owner.....Frank S. Donant, 2629 San Pablo Ave., Oakland.

Architect...None.

Contractor...R. H. Banning and Jas. E. Stewart (Banning & Stewart), 107 Delano Ave., S. F.

Filed Mar. 29, '15. Dated Mar. 27, '15.

Frame up & rafters in place. \$1246.00

Brown coated 1246.00

Standing trim completed.... 1246.00

Completed 1249.50

Usual 35 days..... 1662.50

TOTAL COST, \$6650.00

Bond, \$3325. Surety, Southwestern

Surety Insurance Co Limit, 90 days after March 30. Forfeit, none. Plans and specifications filed.

ADDITION

(556) NO. 1169 THIRD, Oakland. Addition.

Owner.....P. Perata, Premises.

Architect...None.

Contractor...S. Uccello, 523 52nd, Okd.

COST, \$400

DWELLING

(558) NO. 1310 SEVENTH, Oakland. Two-story 5-room dwelling.

Owner.....Wm. Partridge, Premises.

Architect...None.

Contractor...L. S. Barnet, 829 Isabella, Oakland.

COST, \$1250

DWELLING

(559) W COLBY 280 N Alcatraz, Oakland. One-story 3-room dwelling.

Owner.....August Fritz, 6346 Florio, Oakland.

Architect...None.

Contractor...Arthur Fritz, 6346 Florio, Oakland.

COST, \$1000

DWELLING

(560) SE HOPKINS AND HALEY, Oakland. One and one-half-story 6-room dwelling.

Owner.....Victor Brattstrom, 2875 Vallecito Place, Oakland.

Architect...None.

Day's work. COST, \$2500

ALTERATIONS

(561) NO. 5224 MILES AVE., Oakland. Alterations.

Owner.....Mrs. Bennetie, Premises.

Architect...None.

Contractor...E. L. Higgins, 5250 Miles Ave., Oakland.

COST, \$500

ADDITION

(562) NO. 4601 GROVE, Oakland. Addition.

Owner.....D. Mangini.

Architect...None.

Contractor...Barbagelatta, 536 43rd, Oakland. COST, \$400

SERVICE STATION

(563) SE TWENTY-FIRST & BROADWAY, Oakland. Reinforced concrete service station.

Owner.....Associated Oil Co., Sharon Bldg., San Francisco.

Architect...None.

Day's work. COST, \$600

DWELLING

(565) NILES. All work for dwelling for Rev. John Leal.

Owner.....The Roman Catholic Archbishop of San Francisco, 1100 Franklin, S. F.

Architect...None.

Contractor...Joe Oliver, Jr., and Geo. J. Bettencourt.

Filed Mar. 30, '15. Dated Mar. 15, '15.

Enclosed and plastered..... 1/2

When completed 1/2

TOTAL COST, \$3218.75

Bond, limit, forfeit, plans and specifications, none.

NOTE:—This is an agreement in letter form on file in Hall of Records.

ALTERATIONS

(566) NO. 1437 BROADWAY, Oakland. Alterations.

Owner.....Mutual Realty Co., 475 11th, Oakland.

Architect...None.

Day's work. COST, \$500

REPAIRS

(567) NO. 519 FILBERT, Oakland. Repairs.

Owner.....M. Lalemine, Oakland.

Architect...None.

Contractor...M. E. Valente, 5882 Val-lejo, Oakland.

COST, \$400

DWELLING

(572) E TWENTY-THIRD AVE 150 N E-10th, Oakland. One-story 5-room dwelling.

Owner.....Lascurettes & Segalas, 954 23rd Ave., Oakland.

Architect...None.

Contractor...Peter Morilhat, 1333 E-11th, Oakland.

COST, \$1680

ELECTRIC WORK

(573) NO. 1720 HOPKINS, Oakland. Electric work except light fixtures for dormitory, dining room extension solarium and boiler house addition to brick home.

Owner.....German Old Peoples Home 1886 Mission, S. F.

Architect...Oscar Haupt, Phelan Bldg S. F. and Adolph Wegner.

Contractor...Eugene A. Mantell.

Filed Mar. 31, '15. Dated Mar. 4, '15.

Each month 75%

Usual 35 days..... 25%

TOTAL COST, \$2920

Bond, \$1600. Surety, Massachusetts Bonding & Insurance Co. Limit, forfeit, none. Plans and specifications filed.

C. D. PLUMBING AND GAS FITTING on above

Contractor...Carl Doell, 467 21st, Okd.

Filed Mar. 31, '15. Dated Feb. 15, '15.

Payments same as above.....

TOTAL COST, \$5758

Bond, \$2880. Surety, Massachusetts Bonding & Insurance Co. Limit, forfeit, none. Plans and specifications filed.

(575) STEAM HEATING ON ABOVE. Contractor...Carl Doell, 467 21st, Okd. Filed Mar. 31, '15. Dated Feb. 15, '15.

Payments same as above.....

TOTAL COST, \$5499

Bond, \$2750. Surety, Massachusetts Bonding & Insurance Co. Limit, forfeit, none. Plans and specifications filed.

DWELLING

(576) S ALCATRAZ AVE 300 E Telegraph Ave., Oakland. One-story five-room dwelling.

Owner.....C. H. Donovan, 527 Alcatraz Ave., Oakland.

Architect...None.

Contractor...Gates & Sherwood.

COST, \$1800

DWELLING

(577) W EIGHTY-SECOND AVE 440 N ATHERTON, Oakland. One-story 3-room dwelling.

Owner.....D. Brandt, 2219 Market, Oakland.

Architect...None.

Contractor...B. D. Stevens, 520 82nd Ave., Oakland.

COST, \$750

BRICK GARAGE

(581) NO. 671 VERNON, Oakland. One story brick garage.

Owner.....Benj. Smith, Premises.

Architect...None.

Contractor...Wm. Knowles, Central Bank Bldg., Oakland.

COST, \$600

CLASS "A" BANK

(582) N SEVENTH 150 E Union, Oakland. One-story Class "A" bank.

Owner.....Oakland Bank of Savings, NE 12th and Broadway, Oakland.

Architect...Walter D. Reed, Oakland Bank of Svgs. Bldg., Okd.

Contractor...P. J. Walker Co., Monadnock Bldg., S. F.

COST, \$15,000

BRICK GARAGE

(583) W BROADWAY 49 S 23rd W 158-1 11-16 S 96-8% E 112-9% N 100, Oakland. All work for alterations to one-story brick garage.

Owner.....Wallace Everson, 2265 Broadway, Oakland.

Architect...None.

Contractor...F. H. Field, Kentfield.

Filed Apr. 1, '15. Dated Mar. 26, '15.

One-third completed 1/4

Two-thirds completed 1/4

Completed 1/4

Usual 35 days..... 1/4

TOTAL COST, \$3000

Bond, \$1500. Surety, Pacific Coast Casualty Co. Limit, 40 days. Forfeit, none. Plans and specifications filed.

NOTE: 1st report Mar. 29, '15 No. 546.

FRAME APARTMENTS

(584) LOT 1 BLK 1 Map Oakland, Oakland. All work for two story 11-room frame apartments.

Owner.....Miss Rosa McCarty, Okd.

Architect...None.

Contractor...Geo. W. Patton, 2126 Emerson, Berkeley.

Filed Mar. 31, '15. Dated Mar. 26, '15.

Frame up, roof on and plumb-

ing roughed in.....\$1367
Brown coated and patent chimneys up 1367
Completed 1367
Usual 35 days..... 1367

TOTAL COST, \$5468

Bond, \$2734. Surety, American Surety Co. Limit, 95 days after Mar. 26. Forfeit, \$5. Plans and specifications filed.

DWELLING

(585) E KENNEDY 312 N Dennison, Oakland. One-story 5-room dwlg.

Owner.....M. Caspar, 1923 E-14th, Oakland.

Architect...None.

Contractor...Joe Brown, 1874 E-14th, Oakland. COST, \$1875

DWELLING

(586) S FORTY-SECOND 300 E Telegraph Ave., Oakland. One-story 4-room dwelling.

Owner.....M. J. Presley, Cor. 11th & Harrison, Oakland.

Architect...None.

Contractor...W. L. Whitford, 421 42nd, Oakland.

COST, \$1500

ADDITION

(587) NO. 77 ECHO AVE., Oakland. One-story addition to dwelling.

Owner.....M. L. Stone, Premises.

Architect...None.

Contractor...Harris & Hudson, 1951 E-38th, Oakland.

COST, \$1800

BRICK ADDITION

(588) SE SIXTH AND CLAY, Oakland. Brick addition to free market.

Owner.....Boeth, Rohan- & Livingston, 5th & Washington, Oakland.

Architect...None.

Contractor...Whalin Bros., 565 16th, Oakland.

COST, \$9000

DWELLING

(589) N CLIFTON 150 W College Ave. Oakland. One-story 5-room dwlg.

Owner.....Frank Burger, 858 52nd, Oakland.

Architect...None.

Day's work. COST, \$2500

ADDITION

(590) NO. 521 MERRIMAC, Oakland. Addition.

Owner.....Mrs. R. C. Wright, Prem.

Architect...None.

Contractor...M. Allen, 829 52nd, Okd.

COST, \$600

ALTERATIONS

(591) S THIRTY-FOURTH 133 E Union, Oakland. Alterations.

Owner.....A. Brasio.

Architect...None.

Contractor...Stewart & Webb, 2329 Grove, Oakland.

COST, \$500

ALTERATIONS

(592) NO. 1718 CAMPBELL, Oakland. Alterations.

Owner...M. Azavedo, Premises.

Architect...None.

Day's work. COST, \$400

DWELLING

(593) S RICH 366 W Webster, Oakland. Two-story 6-room dwelling.

Owner...Jas. T. Hinch, 1718 Broadway, Oakland.

Architect...None.

COST, \$2500

FRAME DWELLING

(595) LOT 151 Map Piedmont-by-the-Lake, Oakland. Two-story frame dwelling.

Owner.....Kate Carothers Paul, Okd.
Architect...Chas. W. McCall, Central Bank Bldg., Oakland.
Contractor...S. J. Bertelsen, 667 39th, Oakland.

Filed Apr. 2, '15. Dated Apr. 1, '15.
Frame up, roof sheathed and brick chimney built.....\$ 900.00
Brown coated 900.00
Completed and accepted..... 900.00
Usual 35 days..... 1074.70

TOTAL COST, \$3774.70

Bond, \$1900. Sureties, Ania M. Petersen and J. C. Nielsen. Limit, 90 days Forfeit, none. Plans and specifications filed.

FRAME STORE

(596) E 32 OF 50 LOT on S University Ave 90 E Grove. All work for one-story frame store building.

Owner.....John S. Jennings, Bkly.
Architect...None.
Contractor...Fred H. Field, Kentfield, California.

Filed Apr. 2, '15. Dated Mar. 31, '15.
Frame up 1 1/2
Placed 1 1/2
Completed 1 1/2
Usual 35 days..... 1 1/2

TOTAL COST, \$1347

Bond, \$675. Surety, Pacific Coast Casualty Co. Limit, 90 days after March 1. Forfeit, none. Plans and specifications filed.

ADDITION

(597) NO. 792 MANDANA BOULEVARD, Oakland. Addition to dwlg.
Owner.....C. H. Burman, 1497 Oak, Oakland.

Architect...None.
Contractor...L. C. Fansey.
Filed Apr. 2, '15. Dated Mar. 31, '15.
Payments not given.....

TOTAL COST, \$278

Bond, limit, forfeit, none. Plans and specifications filed. ff

Building Contracts Awarded.

Berkeley.

No.	Owner	Contractor	Amt.
552	Brooks	Henderson	900
553	White	Welsh	2625
554	Spittler	Spittler	4500
557	Sherman	Sherman	400
564	Sherock	Smith	500
578	Peake	Danielson	2900
579	Girvin	Kollmer	500
580	Caslin	Beekley	400
594	Hasse	Johnson	1800

ALTERATIONS

(552) E HILLEGASS 250 S Dwight Way, Berkeley. Alter dwelling into apartments.

Owner.....Mrs. F. E. Brooks, 2535 Hillegass, Berkeley.

Architect...None.
Contractor...H. C. Henderson, Rust, Cal
COST, \$900

DWELLING

(553) W INDIAN ROCK ROAD 145 N Marin, Berkeley. One-story 5-room dwelling.

Owner.....B. C. White, 1549 Grant, Berkeley.

Architect...None.
Contractor...Welsh & Rogers, 3603 Kings, Berkeley.

COST, \$2625

FRAME DWELLING

(570) E ALVARADO ROAD 150 N Tunnel Road, Berkeley. Two-story frame dwelling.

Owner.....E. B. Spitler, 815 Oxford, Berkeley.

Architect...None.
Day's work. COST, \$4500

ADDITION

(557) N VIRGINIA 100 W La Loma, Berkeley. Addition.

Owner.....Mrs. R. L. Sherman.
Architect...None.

Day's work. COST, \$400

ADDITION

(564) S WARD 300 E Fulton, Berkeley. Addition.

Owner.....B. Sherock, 2220 Ward, Berkeley.

Architect...None.
Contractor...C. O. Smith, 2217 Ward, Berkeley. COST, \$500

DWELLING

(578) E COLUSA AVE 160 S Joseph, Berkeley. One and one-half-story 6-room dwelling.

Owner.....F. R. Peake Co., 2127 University Ave., Berkeley.

Architect...None.
Contractor...E. E. Danielson, 3896 Ruby Oakland. COST, \$2900

ADDITION

(579) NO. 2830 REGENT, Berkeley. Addition.

Owner.....W. H. Girvin, Premises.
Architect...None.

Contractor...Jacob Kollmer, 2753 Piedmont Ave., Berkeley. COST, \$500

ADDITION

(580) N PRINCE 70 E Ellis, Berkeley. Addition.

Owner.....L. D. M. Caslin, 1809 Prince, Berkeley.

Architect...None.
Contractor...H. M. Beekley. COST, \$400

DWELLING

(594) N ASHBY AVE 465 E San Pablo Ave., Berkeley. One-story 5-room dwelling.

Owner.....Charles Hasse, 1046 Murray, Berkeley.

Architect...None.
Contractor...W. Johnson, 3228 Adeline, Berkeley. Cost, \$1800

Alameda.

No.	Owner	Contractor	Amt.
568	Randolph	Leloh	400
569	Hillen	Hillen	2000
570	Marshall	Swenson	750
571	Pollard	Strang	2000

ADDITION

(568) NO. 1251 ST. CHARLES, Alameda. Addition.

Owner.....D. L. Randolph, Prem.
Architect...None.

Contractor...F. O. Leloh, 3007 Madison, Alameda. COST, \$400

DWELLING

(569) NO. 749 CENTRAL AVE., Alameda. One-story 5-room dwelling.

Owner.....R. C. Hillen, 430 Haight Ave., Alameda.

Architect...None.
Day's work. COST, \$2000

ADDITION

(570) NO. 2008 ALAMEDA AVE., Alameda. Addition.

Owner.....A. E. Marshall, Auburn.
Architect...None.

Contractor...L. Swenson, 2242 Encinal Ave., Alameda. COST, \$750

DWELLING

(571) NO. 2629 SANTA CLARA AVE., Alameda. One-story 5-room dwlg.

Owner.....A. Pollard, Santa Clara Ave., and Park, Alameda.

Architect...None.
Contractor...F. N. Strang, 805 Pacific Ave., Alameda. COST, \$2000

COMPLETION NOTICES.

ALAMEDA COUNTY

Mar. 29, 1915—S FIFTIETH 50 W trict of the German Evangelical Lutheran Synod of Missouri. Ohio and other States to E W WoodardMarch 26, 1915
Mar. 29, 1915—NE NINTH & CASTRO 50x100, Okd. Committee on Building of Congregation Beth Jacob to I Feldman.....Mar. 25, 1915
Mar. 29, 1915—W PTN LOT 29 BLK "A," Piedmont Vista, Piedmont. Walter H Creighton to whom it may concern.....Mar. 29, 1915
Mar. 30, 1915—being No. 353 50th, Okd. A Hammerberg to whom it may concern.....Mar. 22, 1915
Mar. 30, 1915—LOT 311, E B & A L Stone Co Tract, Okd. A J Agrella to whom it may concern.....Mar. 23, '15
Mar. 30, 1915—W VENTURA AVE, being S 30 Lot 6 and N 10 Lot 7 Blk 20 Map Northbrae, Albany. S G Rankin to Standard Bldg Co.....Mar. 27, 1915
Mar. 30, 1915—E BRANN 300 from NW line 64th Ave NW 50xNE 75, Okd. California and Nevada Dis- Mar. 31, 1915—S CLEMENT AVE 65 W Elm W 32-6xS 90, Ala. C C Adams to whom it may concern.....March 31, 1915
Mar. 31, 1915—E GRANT 61 S Berkeley Way S 32 E 93.20 N 31.92 W 91, Bkly. Edward A Janssen to whom it may concern..Mar. 30, 1915
Apr. 1, 1915—SW CAMDEN AND NW Gibson Ave NW 549.64 SW 400 SE 494.54 NE 398.21, Okd. California and Nevada District of German Evangelical Lutheran Synod of Missouri, Ohio and other States to Nilson & Arras.....Feb. 25, 1915
Otto List, Mar. 22; Herman Lawson Mar. 26; William Martin Mar. 25;
Mar. 31, 1915—WHEELER N. 3037, Bkly. G R Dixon to J M Merrilees & Co.....Mar. 31, 1915
Apr. 1, 1915—LOT 30 BLK "C" Map 4th Ave Terrace, Okd. James McGuinness to whom it may concern.....March 1, 1915
Apr. 2, 1915—LOT 16 BLK 1, Upper Claremont Baum's Sbdvn, Bkly. W H Schroeder to Jacob KollmerApril 2, 1915
Apr. 2, 1915—LOT 11 Boyd Place, Bkly. P O Boyd to whom it may concern.....April 2, 1915
Apr. 2, 1915—LOT 8 BLK 10 Map Mathews Tract, Bkly. Carl Ericson to whom it may concern.....March 29, 1915

LIENS FILED.**ALAMEDA COUNTY.**

Mar. 29, 1915—SW BUENA VISTA Ave and Hibbard W 72xS 100, Ala. Powell Bros Constr Co vs T B Henry\$32.30
 Apr. 2, 1915—LOT 139 Map Fruitvale Add'n Tet, Okd.; \$569.80
 LOT 138 Map Fruitvale Add'n Tet, Okd., \$763.01.
 N BARTLETT 280 E Deering E 40 xN 125, Okd., \$419.90.
 N BARTLETT 240 E Deering E 40x N 125, Okd., \$466.38.
 N BARTLETT 360 E Deering E 40x N 125, Okd., \$449.96.
 N BARTLETT 200 E Deering E 40x N 125, Okd., \$445.96.
 N BARTLETT 320 E Deering E 40x N 125, Okd., \$454.37. Panama Lumber & Mill Co vs Oakland Homes Corporation

RELEASE OF LIENS**ALAMEDA COUNTY.**

Mar. 30, 1915—N EUNICE 45 from NE corner Arch and Eunice N 100xE 45, Bkly. Picard & Gushee to D J Horgan and Otto Mailanen...\$139.75

SAN JOSE AND THE SANTA CLARA VALLEY.

RESIDENCE -- 1 story and base, frame, \$2,000. San Jose, Santa Clara Co., Cal. Architect, none. Owner, W. E. Roberts, 372 South 15th street, San Jose. The dwelling will be erected at 746 South 5th street, and has been designed for a five-room cottage. Interior will be finished in pine and redwood. Hardwood floors will be used in the principal rooms. There will be an open fire place and tile or brick mantel. Bath room will have tile wainscot. An automatic water heater will be installed. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are complete and in the hands of the owner, who will do the work by Day Labor. Materials have all been purchased.

SCHOOL—1 story and base, frame, \$20,000. Santa Cruz, Santa Cruz Co., Cal. Architect, W. H. Weeks, 75 Post street, S. F. Owners, City of Santa Cruz. All bids received for the construction of the manual arts building have been rejected and plans are now being revised. New figures will be called for shortly. The lowest bid received was for \$10,777, which was in excess of the amount available.

BUILDING CONTRACTS**SANTA CLARA COUNTY.**

REMODELING BUILDING
 NOS. 49, 51, 53, 55 N-SAN PEDRO ST., San Jose. Remodeling brick building
 Owner.....Jessie M. Robbins, S. J.
 Architect...F. D. Wolfe, 1st National Bank Bldg., San Jose.
 Contractor...J. C. Thorp, Porter Bldg., San Jose.
 Filed Mar. 25, 15. Dated Mar. 25, 15.
 Roof raised and ½ story brick wall built\$1376.50
 Brick work done and floor joists in place..... 1376.50
 Work completed 1376.50

Usual 35 days 1376.50

TOTAL COST, \$5506.00

Bond, \$2753. Sureties, T. B. and A. L. Hubbard. Limit, 60 days. Forfeit, none. Plans and specifications filed.

FRAME COTTAGE

LOT 34 BLK 3, Shottenhamer Tract, San Jose. All work except plumbing (by owner) for frame cottage.

Owner.....L. J. Taylor, 203 N-5th St., San Jose.

Designer...H. Keast, 1423 S-1st St., San Jose.

Contractor...H. Keast, 1423 S-1st St., San Jose.

Filed Mar. 24, '15. Dated Mar. 24, '15.

Foundation in and cellar dug...\$100

Frame up 546

When plastered 546

When completed 546

Usual 35 days..... 546

TOTAL COST, \$2287.50

Bond, limit, forfeit, none. Plans and specifications filed.

ALTERATIONS

NO. 166 W-SAN FERNANDO ST., San Jose. Alterations and additions.

Owner.....J. Costello, 214 W-Santa Clara St., San Jose.

Architect...None.

Contractor...Al. Compton, 547 N-17th St., San Jose.

COST, \$4000

COTTAGE

W N-FOURTEENTH, bet. Empire and Washington, San Jose. Five-room cottage.

Owner.....W. E. Woodhams, Ryland Bldg., San Jose.

Architect...None.

Contractor...Roy Latta, 430 N-11th St., San Jose.

COST, \$2000

COTTAGE

NO. 746 S-FIFTH ST., San Jose. Five-room cottage.

Owner.....W. E. Roberts, 372 S-15th St., San Jose.

Architect...None.

Day's work. COST, \$2000

COTTAGE

E N-FOURTEENTH ST., bet. Empire and Washington, San Jose. Five-room cottage.

Owner.....W. E. Woodhams, Ryland Bldg., San Jose.

Architect...None.

Contractor...Roy Latta, 430 N-11th St., San Jose.

COST, \$2000

ALTERATIONS

NO. 35 S-THIRTEENTH ST., San Jose.

Alter garage.

Owner.....F. H. O'Keefe, Premises.

Architect...None.

Day's work. COST, \$100

ADDITION

ILLINOIS AVE near William St., San Jose. Three-room addition.

Owner.....G. Garinlo, Premises.

Architect...None.

Day's work. COST, \$1000

COTTAGE

NO. 437 N-TWELFTH ST., San Jose. Three-room cottage.

Owner.....B. F. King, 434 N-12th St., San Jose.

Architect...None.

Day's work. COST, \$500

REPAIRS

NO. 442 S-NINTH ST., San Jose. Repairs.

Owner.....H. F. Scholing, Premises.

Architect...None.

Day's work. COST, \$475

COMPLETION NOTICES.**SANTA CLARA COUNTY.**

RECORDED ACCEPTED

Mar. 18, 1915—LOT 6 Hawthorne Tet San Jose. Olga S Wendt to S G Pelton.....Jan. 20, 1915

Mar. 18, 1915—LOT 2 and part Lot 3, Pacific Sbdvn, Mountain View. L H Lurkens to C Lindholm.....

.....March 11, 1915

Mar. 18, 1915—ON MAIN ST., Los Gatos just north of Main St. Bridge Pacific Gas & Electric Co to W L and D H Gillham.....Mar. 10, 1915

Mar. 19, 1915—LOS GATOS (Novitiate Ppty. Novitiate at Los Gatos to Clinton Fireproofing Co..Mar. 10, '15

Mar. 22, 1915—COR. CALDREN AND Center, Mountain View. Mountain View School Dist to C L MeisterheimMar. 16, 1915

Mar. 23, 1915—NR COR. ELEVENTH and San Carlos, San Jose. W J Braunwarth to whom it may concern.....Mar. 22, 1915

BUILDING CONTRACTS**SAN MATEO COUNTY.****FRAME DWELLING**

LOT 16 BLK —, Central Addition to San Mateo. All work except electric lighting fixtures for one and one-half-story shingle roof frame dwlg.

Owner.....John McConvey, San Mateo

Architect...None.

Contractor...Croop & Keegan

Filed Mar. 29, '15. Dated Mar. 19, '15.

Frame up\$518

1st coat plastering on..... 518

When completed 518

Usual 35 days..... 518

TOTAL COST, \$2072

Bond, \$1036. Sureties, M. F. Boland and Elizabeth Brown. Limit, 75 days.

Forfeit, none. Plans and specifications filed.

RESIDENCE

PTN LOT 15, as per Map of Villa Lots at Fair Oaks. Painting, tinting and paper hanging for residence.

Owner.....Chas. Brandenstein, Menlo Park.

Architect...Albert Farr, 68 Post, S. F.

Contractor...I. R. Kissel, 1723 Polk St., San Francisco.

Filed Mar. 30, '15. Dated Mar. 20, '15.

TOTAL COST, \$1600

Bond, none. Limit, April 20. Forfeit, \$5. Specifications only filed.

COMPLETION NOTICES**SAN MATEO COUNTY.**

RECORDED ACCEPTED

Mar. 27, 1915—LOT 15 BLK "N" Sub No. 3 of Hayward Park, San Mateo

Anna T Haley to Croop & Keegan

.....March 19, 1915

MARIN, CONTRA COSTA AND SONOMA COUNTIES.

RESIDENCE—2 story, attic and base, frame, \$25,000. Dixon, Solano Co., Cal.

Architect, Henry C. Smith, Humboldt Bank Bldg., S. F. Owner, Roy D. Mayers. The dwelling has been designed for a handsome country residence of 17 rooms, 5 baths rooms, and 2 sleeping porches. Besides the dwelling a large water tower and garage will be erected on the property. Interior of the dwelling will be finished in oak and mahogany with white enamel in the bed rooms. Hardwood floors will be used throughout. There will be furnace heat and four open fire places with Caen stone and pressed brick mantels. Bath rooms will be finished with tile floors and wainscot. The features of the dwelling will be a gymnasium for children and a completely equipped wireless telegraph room. Exterior of both the dwelling, water tower and garage will be covered with cement plaster on metal lath. A clay tile roof will be used. Plans are complete and figures are being taken.

STREET PAVING—Cost not stated. San Rafael, Marin Co., Cal. Engineer's name not given. Owners, Northwestern Pacific Railway Co. It is the intention of the Northwestern Pacific Railroad to either let a contract to bituminize Tamalpais avenue, from Mission street to the Toll road, or to have the work done under the direction of their own force, according to information sent to the City Council of San Rafael. It is expected that a decision will be rendered at the next meeting of the Council, who are interested in the matter.

STREET PAVING—Cost not stated. Richmond, Contra Costa Co., Cal. Engineer, City Engineer, Richmond. Owners, City of Richmond. Plans for the improving of Tenth street from Bartlett to Pennsylvania have been adopted by the City Council and bids will be called for at the next meeting of the Council. Bithulithic paving will be used. At the last meeting of the Council the plans prepared by the City Engineer for the paving of Contra Costa street were laid over for another week.

GARAGE ADDITIONS—2 story and mezzanine floor, reinforced concrete and steel, \$8,000. Vallejo, Solano Co., Cal. Architect, L. M. Turton, Napa. Owner, Mrs. M. Mathews, Georgia street, Vallejo. A two-story and mezzanine floor addition will be constructed to the building known as the Central Garage. The work will include reinforcing steel, cement floors, metal window sash and frames, special gasoline storage tanks. A portion of the new addition will be used for offices. Interior of the office portion will be finished in pine. Exterior of the building will be faced with cement plaster. Plans are now being prepared.

RESIDENCE—2 story and base, frame. Cost not stated. Martinez, Contra Costa Co., Cal. Architect, Carl Geilfuss, 46 Kearny street, S. F. Owner, Martin Joost, County Tax Collector. The dwelling has been designed for an eight-room house with two baths and two sleeping porches. Interior will be finished in pine, redwood and southern blue gum. Hardwood floors will be used throughout. There will be furnace heat and open fire places. Mantels will be of tile and brick. Bath rooms will have tile floors and wainscot. Automatic water heaters will be installed. Exterior of the dwelling will be covered with cement plaster

on metal lath. A separate garage will be erected on the property. Plans are complete and figures will be called for shortly.

SCHOOL—1 story and base, brick or brick veneer, \$12,000. Richmond, Contra Costa Co., Cal. Architect, James T. Nabett, Berry Bldg., Richmond. Owners, City of Richmond. The Board of Education has taken the matter of the award of contract for remodeling the Peres School under consideration until the next meeting. Bids for this work were taken on two propositions. One for a brick veneer structure and the other for a brick building. M. B. Roberts of Richmond submitted the lowest figure for the brick at \$11,396, while J. S. Hannah of San Francisco was second low at \$11,443. J. S. Hannah submitted the low figure at \$10,341 for the brick veneer building with M. B. Roberts second low at \$10,480. All possible local pressure is being brought to bear to have the Board of Education favor M. B. Roberts.

SCHOOL ADDITIONS—Brick construction, \$12,000. Richmond, Contra Costa Co., Cal. Architect, James T. Nabett, Berry Bldg., Richmond. Plans have been completed for a four-room addition to the school located at Fairmount street. Interior finish will be of pine with maple floors in the class rooms. The present heating system will be extended. Plans provide for modern plumbing. Exterior of the building will be faced with stock brick. Plans will be out for figures in about a week.

SCHOOL—1 story and base, frame, \$12,000. Benicia, Solano Co., Cal. Architect, Henry C. Smith, Humboldt Bank Bldg., S. F. Owners, Benicia School District. The building has been designed for a primary school, and will contain four rooms on the main floor. A combination class room and assembly room is also provided on this floor. Basement will contain a large play room and mechanical equipment. Interior finish will be of pine throughout. Maple floors will be used in the corridors. There will be furnace heat with an oil burning system. Exterior of the building will be covered with shingles. Plans are complete and figures are being taken, which will be opened on April 19th at 8 p. m. Plans and specifications can be secured from the architect.

HOTEL AND STORES—2 story and base, brick. Cost not stated. Martinez, Contra Costa Co., Cal. Architect, none. Owner, J. A. Kelly, Martinez. The building will be erected on Main street west of Ferry, and has been designed for three stores on the first floor and a number of single rooms on the upper floor. Interior will be finished in pine and redwood. Patent store fronts are specified. There will be a hot water supply. Bath rooms will have tile wainscot and composition floors. Exterior of the building will be faced with pressed brick. Plans are complete and in the hands of the owner who is now taking figures on the work. Bids will be opened on April 10th.

Contracts Awarded.

SEWER LATERALS—\$9,726.08. Richmond, Contra Costa Co., Cal. Engineer, City Engineer, Richmond. Owners, City of Richmond. Contractors, Chambers & Heafy, Richmond. Contract price, \$9,726.08. This contract

covers construction of laterals in the Bay View District.

BUILDING CONTRACTS

CONTRA COSTA COUNTY.

DWELLING

NO LOCATION GIVEN. All carpenter work, plastering, plumbing, gas fitting and all work as laid out in specifications for dwelling.

Owner.....A. E. Selmer, 909 Main St., Martinez.

Architect...None.

Contractor...Ludden & Lambley, Martinez, Cal.

Filed Mar. 24, '15. Dated Mar. 5, '15.

Frame up\$420.00

Roof shingled 420.00

Building completed 420.00

Usual 35 days..... 420.70

TOTAL COST, \$1680.70

Bond, none. Limit, agree to finish by April 29, 1915, unless delayed. Forfeit, none. Plans and specifications filed.

DWELLING

LOTS 1, 2 AND 3 BLK 6 North Berkeley Terrace Tract, 100 feet S of Fourth Street, Stege. All work for two-story ten-room frame dwelling, partly excavated basement.

Owner.....Johanna Eckmann, Stege.

Architect...None.

Contractor...Jos. Flittner, 1700 35th Ave., Oakland.

Filed Mar. 30, '15. Dated Mar. 22, '15

Frame work erected.....\$900

Enclosed and 1st coat plastering

completed 900

Completed and accepted..... 900

Usual 35 days..... 900

TOTAL COST, \$3600

Bond, \$1800. Surety, Southwestern Surety Insurance Co. Limit, 90 working days beginning March 23, 1915. Forfeit, none. Plans and specifications filed.

COMPLETION NOTICES

CONTRA COSTA COUNTY.

RECORDED

ACCEPTED

Mar. 23, 1915—LOT 4 BLK "G" Map Homestead Tract, Martinez. E A Majors to Luke Bulger & Son....
.....March 17, 1915

RELEASE OF LIENS

CONTRA COSTA COUNTY.

RECORDED

AMOUNT

Mar. 29, 1915—PTN LOTS 3 AND 4, No. 337 of Additional Survey of Town of Martinez. L Anderson Co to Cornelia B Gray\$1977.43

FRESNO, MODESTO STANISLAUS AND CENTRAL CALIFORNIA.

RESIDENCE—2 story and base, frame, \$6,000. Fresno, Fresno Co., Cal. Architect, Ernest J. Kump, Fresno. Owner, Joseph Maracci, French Cafe, Fresno. The dwelling will be erected on Van Ness avenue near Dry Creek bridge, and has been designed for an eight-room house with bath and sleeping porch. Exterior will be finished in pine and redwood with some hardwood veneer. Hardwood floors will be used in the principal rooms. There will be furnace heat and open fire places. Mantels will be of tile and

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brick. Tile wainscot will be used in the bath room. An automatic water heater will be installed. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are complete and figures are being taken.

LIBRARY—1 story and base, concrete and brick, \$10,000. Exeter, Tulare Co., Cal. Architects, Bowen & Davis, Griffith-McKenzie Bldg., Fresno. Owners, City of Exeter. Plans for this building were formerly out for figures but had been called in, the plans revised and new figures are now being taken. The building will contain one large reading room, office for the librarian, stack room and toilet rooms. Interior finish will be of pine with a maple floor. There will be a central seating system, probably warm air, with oil burning equipment. Metal book stacks are specified. Exterior of the building will be faced with cement plaster. Bids are to be opened on April 14th. Plans and specifications can be obtained from the architects.

SCHOOL—1 story and base, frame, \$8,500. Richland, Kern Co., Cal. Architect, J. M. Saffell, Bakersfield. Owners, Richland School District. The building has been designed to contain four class rooms. Interior will be finished in pine with maple floors in the class rooms. There will be furnace heat. Exterior of the building will be covered with cement plaster on metal lath. Plans are complete and figures will be called for shortly.

SCHOOL—1 story and base, brick, \$23,000. Delano, Kern Co., Cal. Architect, J. M. Saell, Fiske Bldg., Bakersfield. Owners, Delano School District.

The building has been designed in the Mission style and will contain six class rooms and an assembly hall. Interior will be finished in pine with maple floors in the class rooms and auditorium. Modern school plumbing will be installed. There will be steam heat and an oil burning equipment. Exterior of the building will be faced with pressed brick. Plans are now being prepared.

SCHOOL—1 story and base, hollow tile, \$30,000. Caruthers, Fresno Co., Cal. Architect, Ernest J. Kump, Rowell Bldg., Fresno. Owners, Caruthers Union High School District. The building has been designed in the Mission style and will contain eight class rooms and a large auditorium. Interior will be finished in pine with maple floors. There will be a central heating system and vacuum cleaning. Modern school plumbing will be installed. Exterior of the building will be faced with cement plaster. Plans will be completed and out for figures about May 5th. Further mention will be made of the work.

RESIDENCES—1 story and base, frame. Cost not stated. Fresno, Fresno Co., Cal. Architect, none. The following Day Labor jobs are reported as about to be stated: F. C. Wilson, 2321 Hills street, Fresno, 5 room frame cottage, \$1,800; James Musser, 3464 Iowa street, Fresno, five-room frame cottage, \$1,500; F. B. Billings, 1245 San Pablo, Fresno, 2 story frame residence, \$2,500, and J. E. Taylor, 2561 Emma street, Fresno, six-room frame cottage, \$1,500.

E. H. Williams

Chalmer Munday

Munday & Williams Attorneys-at-Law

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SCHOOL TOILET BUILDINGS — Frame construction. Cost not stated. Bakersfield, Kern Co., Cal. Architect, Orville L. Clark, Brower Bldg., Bakersfield. Owners, City of Bakersfield. Plans have been completed for the construction of toilet buildings at the following schools: Emerson, Bryant, Lincoln and Washington. Bids will be opened for this work, including the plumbing, on April 15th. Plans can be secured from the architect.

THEATRE ALTERATION — Brick and frame, \$20,000. Fresno, Fresno Co., Cal. Architect, R. L. Felchin, Fresno. Owner, H. H. Brix, 2844 Fresno street. This work will consist of alterations to three adjoining buildings on J street, between Mariposa and Fresno streets, and will include new fronts, exterior and interior plastering, plumbing, interior finish, electric work and painting. Plans are now being prepared.

BUILDING CONTRACTS

FRESNO COUNTY.

SCHOOL ROOMS

BLK 10, Fresno (3 located) and Blk A Eastern Add'n (2 located). All work for 5 emergency school rooms or buildings.

Owner.....City of Fresno School District.

Architect...Coates & Traver, Head Bldg., Fresno.

Contractor...Chas. Larbig and G. S. Walker, Visalia.

Filed Mar. 27, '15. Dated Mar. 23, '15.

Floor joists, sills, sidings and roofs on roofs and ceilings

Williamson's Continuous Clothes Line Outfit

Clothes Line Problem Solved At Last

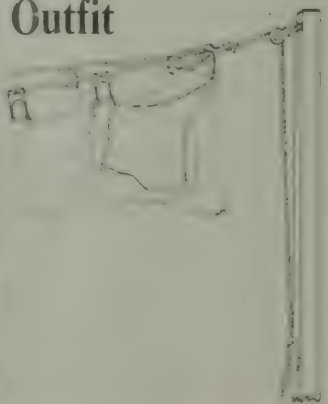
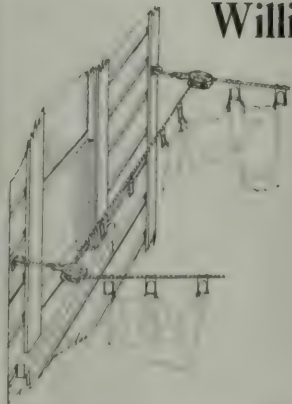
DOUBLE your line space, use all the line. No empty top line, keeps the clothes free from the soiled line, making it Sanitary. Take clothes off any part of line without removing the wet clothes.

CONSTRUCTION: The pulleys are made of cast iron galvanized; so constructed as to allow the patent clothes pine to pass through carrying the clothes around the pulleys, thereby using both lines.

BY using three pulleys, the lines are spread apart as shown in the picture and allows you to put clothes on or take them off the line without hanging out of the window side-ways. The clothes pin is made of heavy galvanized wire formed in such a manner as to allow it to be fastened to the clothes line very easily; nothing complicated to get out of order. Holds the clothes free from the line so the lines need not be covered with cloth-strips in order to keep the clothes from being soiled from the line. The strongest wind cannot blow the clothes out of the pins as they are held in a spring slot. When the wind blows it pulls the clothes deeper into the slot holding them tighter.

NO SPRINGS TO PRESS OR SQUEEZE to get the clothes in or out. Just slip clothes in slot and pull down. WILL hold the damnest fabrics or the heaviest blanket. 1340 Mission St. Phone Mkt. 4008.

THIS OUTFIT CONSISTS OF 3 DOZEN Sanitary, Stronghold, Clothes Pins, 3 Continuous Clothes Line Pulleys and 1 Pair Lane Splicers. Price, \$2.00 per Set.



installed\$ 487.50
Roof completed, mill work in-
stalled and building ready for
painting 500.00
On completion 1243.75
Usual 35 days..... 713.75
TOTAL COST, \$2975.00

Bond, \$1500. Surety, Pacific Coast
Casualty Co. Limit, 45 days. Forfeit,
\$20. Plans and specifications filed.

ELECTRIC PROGRAM CLOCKS

S 1/2 BLKS 7 AND 8, Englewood Add'n,
Fresno. All work for installation of
electric program clock system in
school building.

Owner.....City of Fresno School Dist.
Architect...E. Mathewson, Forysth
Bldg., Fresno.

Contractor...Standard Elec. Time Co.,
461 Market, San Francisco.

Filed Mar. 27, '15. Dated Mar. 9, '15.

On completion\$850
Usual 35 days..... \$15
TOTAL COST, \$1165

Bond, \$600. Surety, Pacific Coast
Casualty Co. Limit, 162 days after
Feb. 23, 1915. Forfeit, \$10. Plans and
specifications filed.

GARAGE

LOTS 27, 28 AND 29 BLK 70, Fresno.
Municipal garage.

Owner.....City of Fresno.

Architect...None.

Contractor...A. D. Wilkins, 261 Ivy St.,
Fresno.

COST, \$2750

DWELLING

LOTS 5 AND 6 BLK 32, Arlington
Heights, Fresno. Dwelling.

Owner.....J. E. Martin, 3506 Nevada,
Fresno.

Architect...None.

Day's work. **COST, \$1000**

DWELLING

LOT 4 BLK 20 Alta Vista Tct, Fresno.
Dwelling.

Owner.....E. B. Billings, 1215 San
Pablo, Fresno, by W. H.
Ackerman, Agent.

Architect...None.

Day's work. **COST, \$2450**

DWELLING

LOT 5 BLK 3, Villa Homestead Tract,
Fresno. Dwelling.

Owner.....J. E. Saylor, 2561 Emma
St., Fresno.

Architect...None.

Day's work. **COST, \$1600**

DWELLING

LOTS 5 AND 6 BLK 8 Belmont Add'n.,
Fresno. Dwelling.

Owner.....Mrs. E. W. Tribble, 815
Jensen, Fresno.

Architect...None.

Day's work. **COST, \$900**

REPAIRS

LOTS 7 TO 10 BLK 71, Fresno. Re-
pairs.

Owner.....H. Brix, 2844 Fresno St.,
Fresno.

Architect...None.

Contractor...R. Felchlin.

COST, \$11,000

DWELLING

LOT 10 BLK 21 Alta Vista, Fresno.
Dwelling.

Owner.....F. C. Wilson, 2321 Hills
St., Fresno.

Architect...None.

Day's work.

COST, \$1806

DNPTFAMV

DWELLINGS

LOTS 17 TO 20 BLK 361, Fresno. Two
dwellings.

Owner.....W. Standifer, 1824 D (rear)
Fresno.

Architect...None.

Contractor...Joe La Forte.

COST, \$1500

LOTS 21 AND 22 BLK 45, Arlington
Heights, Fresno. Dwelling.

Owner.....Jas. Musser, 3464 Iowa St.,
Fresno.

Architect...None.

Day's work.

COST, \$1500

DWELLING

LOTS 4 AND 5 BLK 1, Irvington Ad-
dition, Fresno. Dwelling.

Owner.....J. Plann.

Architect...None.

Contractor...J. R. Church, 1221 U St.,
Fresno.

COST, \$1180

COMPLETION NOTICES

FRESNO COUNTY.

RECORDED

ACCEPTED

Mar. 30, 1915—LOT 8 BLK 5 Highland
Park Tract, Fresno. Stella J
Geffin to whom it may concern...

.....Feb. 23, 1915

Mar. 31, 1915—LOTS 21, 22, 23 BLK
190, Fresno. M Alekian to M H

Milekian.....Mar. 23, 1915

Mar. 31, 1915—NOS. 840-844 EYE ST.,
Fresno. V S Keosheyen to whom
it may concern.....Mar. 30, 1915

LIENS FILED

FRESNO COUNTY.

RECORDED

AMOUNT

Mar. 26, 1915—LOTS 24, 25, 26 BLK 1
Yosemite Add'n, Fresno. Fresno

Lumber vs vs J H and E G Beek-
man\$98

Mar. 29, 1915—LOTS 17 TO 21 BLK 82
Fresno. American Marble & Mo-
saic Co vs Frank H Ball et al....

.....\$378

**SACRAMENTO, STOCKTON AND
NORTHERN CALIFORNIA.**

RESIDENCE — 2 story and base,
frame, \$4,800. Sacramento, Cal. Ar-
chitect, none. Owner, W. T. Eversen,
2225 H street, Sacramento. The dwell-
ing will be erected at the corner of
California and Helvetia avenues, and
has been designed for an eight-room
house with bath and sleeping porch.
Interior will be finished in pine and
elm panels with white enamel in the
bed rooms. Hardwood floors will be
used in the living room and dining
room and in the reception hall. There
will be furnace heat and open fire
places. Mantels will be of tile and
brick. Tile wainscot will be used in
the bath rooms. An automatic water
heater will be installed. Exterior of
the dwelling will be covered with ce-

ment plaster on metal lath. A clay
tile roof will be used. Plans are com-
plete and in the hands of the owner,
who will do the work by Day Labor.
Materials are now being purchased.

RESIDENCE — 1 story and base,
frame, \$2,500. Sacramento, Cal. Ar-
chitect, none. Owner, M. R. Saunders,
233 F street, Sacramento. The dwell-
ing will be erected on the lot at 2331
F street, and has been designed to
contain five rooms and bath. Interior
finish will be of pine and redwood.
Hardwood floors will be used in the
principal rooms. There will be a large
open fire place in the living room.
Mantel will be of tile or brick. Tile
wainscot will be used in the bath
room. An automatic water heater will
be installed. Exterior of the dwelling
will be covered with cement plaster on
metal lath. Plans are complete and
in the hands of the owner who will
do the work by Day Labor.

WHARF SHED ADDITIONS—Tim-
ber construction, \$3,176. Sacramento,
Cal. Engineer, City Engineer, Sacra-
mento. Owners, City of Sacramento.
Seven bids were opened by the City
Commission for the addition and al-
terations to be made to the city wharf
shed. The bids received are as fol-
lows: Joseph W. Rowell, \$3,789;
Mathews Construction Co., \$3,724; Mur-
cell & Halsey, \$3,936; John N. E. Mor-
rill, \$4,494; John A. Silva, \$3,176; Ross
Construction Co., \$3,687; Siller Bros.,
\$4,089. All bids were referred to City
Commissioner Coulter, who will re-
port at the next meeting, when an
award will be made.

STATE HIGHWAY CONSTRUCTION
—Cost not stated. California. Engi-
neer, State Highway Commission, For-
um Bldg., Sacramento. Owners, State
of California. Plans have been com-
pleted for constructing State High-
ways in the following counties: So-
nomo County, 6.4 miles, Portland ce-
ment concrete; Contra Costa County,
5.3 miles, Portland cement concrete;
Monterey County, 6.1 miles, Portland
cement concrete; Monterey County, 7.3
miles, Portland cement concrete; Mon-
terey County, 10.9 miles, Portland ce-
ment concrete. Bids will be opened on
April 26th. Plans and specifications
can be secured on application to the
State Highway Commission. An of-
ficial proposal appears in another col-
umn of this issue.

BANK AND OFFICES—7 story and
base. Class A construction. Cost not
stated. Sacramento, Cal. Architect, R.
A. Herold, Forum Bldg., Sacramento.
Owners, Capital National Bank. The
building will be erected at the south-
east corner of 7th and J streets, cov-
ering an area of 80 by 86 feet. The en-
tire first floor, a mezzanine floor and
basement will be fitted up for the
bank. Upper floors will be arranged
for modern offices, both single and en
suite. There will be a complete steel
frame, brick and concrete walls. Ex-
terior will be faced with pressed brick
and terra cotta. Interior will be fin-
ished in hardwood and metal. Tile
floors and wainscot are specified. Metal
window sash and frames will be used.
There will be steam heat, elevator
service and vacuum cleaning. Plans
are complete and segregated figures
will be called for at once.

BUILDING CONTRACTS

SACRAMENTO COUNTY.

TILE LAUNDRY

SCHLEY AVE near Hawley Ave in Lot 38, East Sacramento. Denison tile laundry.

Owner.....G. C. Seider, 2520 21st St., Sacramento.

Architect...None.

Day's work.....COST, \$1000

FRAME RESIDENCE

NO. 2331 E ST., on E ½ of S ½ Lot 5, E, F 23rd and 24th Sts., Sacramento.

Owner.....M. R. Saunders, 233 F St., Sacramento.

Architect...None.

Day's work.....COST, \$2375

FRAME RESIDENCE

NO. 2920 U ST., on E ½ of Lot 3, U, V, 29th and 30th Sts., Sacramento. One-story 5-room frame residence.

Owner.....John De Costa, 821 ½ J St., Sacramento.

Architect...None.

Contractor...W. R. Saunders, 2810 I St., Sacramento.

COST, \$2300

RESIDENCE

T ST., near Sherman Ave in W 40 feet of Lots 1299 and 1360 Wright & Kimbrough Tract, Sacramento. One-story 5-room Denison tile residence.

Owner.....H. G. Birdsall, 630 O St., Sacramento.

Architect...None.

Contractor...Birdsall & Laster, 630 O St., Sacramento.

COST, \$2200

SLEEPING PORCH

NO. 1515 L ST., on W ½ of Lot 6, K, L, 15th and 16th Sts., Sacramento. Sleeping porch residence.

Owner.....E. S. Brown.

Architect...None.

Contractor...Gus Wendt, 2130 M St., Sacramento.

COST, \$1100

ADDITION

NO. 325 M ST., on W 20 feet of S 110 feet Lot 5, L, M, 3d and 4th Sts., Sacramento. Frame addition over front portion of store.

Owner.....Jules Junqua, 1238 D St., Sacramento.

Architect...None.

Contractor...Chas. A. Vanina, 2022 M St., Sacramento.

COST, \$600

GARAGE

NO. 1418 N ST., on W ½ of Lot 3, Sacramento. Shingle frame automobile garage.

Owner.....Chas. E. Phipps, Premises.

Architect...None.

Contractor...Chas. Van Hall, 508 17th St., Sacramento.

COST, \$450

FRAME RESIDENCE

VENTURA AVE near 21st Lot 6819, Hillcrest Park, Sacramento. Four-room frame residence.

Owner.....E. I. Storzl, 185 Freeport Ave., Sacramento.

Architect...None.

Day's work.....COST, \$1200

GARAGE AND REPAIR SHOP

NO. 15 ALLEY, bet. Canal & R Streets, on E ½ of N ½ Lot 7, J, K, 29th and

29th Sts., Sacramento. One-story frame public garage and repair shop

Owner.....F. Allen, Premises.

Architect...None.

Contractor...F. H. Brown, 1117 33rd, Sacramento.

COST, \$450

BRICK WAREHOUSE

NO. 1727 SEVENTEENTH ST., on S ½ Lots 7 and 8, Q, R, 17th and 18th, Sacramento. One-story brick warehouse.

Owner.....R. Rosenberg & Son, 7th and Townsend, S. F.

Architect...None.

Contractor...E. W. Book, 912 G St., Sacramento.

COST, \$4870

RESIDENCE

CALIFORNIA & HELVETIA AVES, G St., Sacramento. Eight-room residence.

Owner.....W. T. Everson, 2225 H St., Sacramento.

Architect...None.

Day's work.....COST, \$4800

BRICK WORKSHOP

N 40 FEET OF E ½ LOT —, N 40 feet W 35 feet of W ½ Lot 6, K, L, 14th and 15th Sts., Sacramento. One-story brick automobile workshop.

Owner.....Mrs. Minnie E. Dean.

Architect...None.

Contractor...C. J. Guth, 1516 27th St., Sacramento.

Filed Mar. 29, '15. Dated Mar. 15, '15. TOTAL COST, \$2400

REMODEL RESIDENCE

NO. 2026 N ST., on W ½ of N 90 feet Lot 4 N, O, 20th and 21st Sts., Sacramento. Wire and remodel residence and build service shed.

Owner.....Mrs. E. Kauffman, 2319 N St., Sacramento.

Architect...None.

Contractor...Cluff & Dwyer, Box 2602, Route 2, Elmhurst.

COST, \$2200

FACTORY

NO. 700 R ST., on Lot 1, R, S, 7th and 8th Sts., Sacramento. One-story Denison tile bottling works and factory.

Owner.....Shasta Water Co., 180 7th St., Sacramento.

Architect...None.

Contractor...Murcell & Haley, Ochsner Bldg., Sacramento.

COST, \$5000

FINISH CLASS ROOMS

NO. 409 Q ST., on Lots 7 and 8, P, Q, 4th and 5th Sts., Sacramento. Finish two class rooms in school.

Owner.....Board of Education of Sacramento School Dist.

Architect...None.

Contractor...W. J. Mathews, 1011 Alley bet. J & J Sts., Sacramento.

COST, \$500

LIENS FILED

SACRAMENTO COUNTY.

RECORDED

Mar. 22, 1915—LOT 71 York Court, Sacramento. Guy Archer Boom vs E A Pierce and J H Atkins. \$36.25
Mar. 22, 1915—N ½ LOT 85 and N ½ Lot 86 York Court, Sacramento. Guy Archer Boom vs E A Pierce

and E H Warren.....\$72.50
Mar. 22, 1915—NW ¼ of Sec 34 T 5 R 6, Sacramento. F G Fawcett vs The Whitaker Estate.....\$172

LOS ANGELES AND SOUTHERN CALIFORNIA.

BUNGALOWS—15, 1 story and base, frame, \$1,500 each. Riverside, Riverside Co., Cal. Architect, Albert Schliem, Riverside. Owner, Fred W. Burdell. These dwellings will be erected at the corner of Linwood and New Magnolia avenue, each having been designed to contain five rooms and bath. Interior finish will be of pine and redwood throughout. Hardwood floors will be used in the living and dining rooms. There will be open fire places and tile mantels. Bath rooms will have imitation tile wainscot. Exteriors will be covered with cement plaster on metal lath, rustic and shingles. The same architect is also preparing plans for five one-story frame bungalows similar to those above mentioned, to be erected one mile from Riverside. Plans for these twenty houses are complete and figures will be taken shortly.

BRIDGE—Reinforced concrete, \$7,500. Holtville, Imperial Co., Cal. Engineer, City Engineer, Holtville. Owners, City of Holtville. Bids opened by the City Council for the construction of a bridge over the Alamo River at Sixth street were as follows: Howland Construction Co., San Diego, \$7,500; Messereau Bridge Construction Co., \$8,775; Perry L. Hedrick, \$9,375. The bid of the Rowland Construction Co. is now being considered by the Board, which will probably make an award at their next meeting.

STREET PAVEMENT AND SEWER WORK—Cost not stated. Calexico, Imperial Co., Cal. Engineer, City Engineer, Calexico. Owners, City of Calexico. The Board of Trustees of Calexico has passed resolutions of intention to improve a certain portion of Imperial avenue, Paulin avenue, Redwood avenue, Heffernan avenue, Third, Second and First streets and a number of alleys in the district surrounding. Resolutions have also been passed to construct a storm sewer in a certain portion Heffernan, Rockwood, Poulin and Imperial avenues, and First, Second and Third streets. Also their intention to construct certain sanitary sewer laterals in a certain portion of Imperial avenue, Third, Second and First streets, and in a certain portion of Paulin avenue.

COUNTY HIGHWAY CONSTRUCTION—Cost not stated. Riverside, Riverside Co., Cal. Engineer, County Surveyor, Riverside. Owners, Riverside County. Plans and specifications have been adopted by the County Supervisors for 8.85 miles of highway construction from Temecula to the San Diego County line. This is known as a portion of Route No. 12, Division C.

APARTMENT HOUSE—1 and 5 story and base, reinforced concrete. Cost not stated. Los Angeles, Cal. Architect, Arthur Benton, 114 North Spring Street, L. A. Owner, O. T. Johnson. The building will be erected on Bolsa Street near Cowley, covering an area of approximately 30 by 100 feet. There will be a total of 20 suites, arranged in two and three room apartments. In-

It is only since the beginning of the present century that the production of sulphur in the United States has had any significant influence on the trade, but the domestic product has now virtually supplanted Sicilian sulphur in the markets of this country. In 1876 the per capita production of sulphur in the United States was 140 grains, or less than one-third of an ounce. In 1913 it was 50,000 grains, or 7½ pounds. The production of pyrite

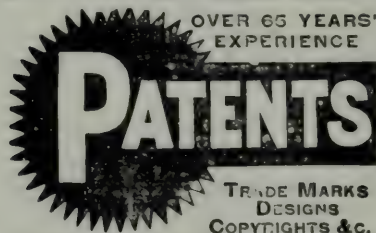
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used in the manufacture of sulphuric acid, has increased from 1 ounce per capita in 1876 to 125 ounces in 1913. In 1876 the United States produced no sulphuric acid, except from pyrite and imported sulphur. The sulphuric acid recovered as a by-product at the smelters of the United States in 1913 was 13 pounds per capita.

In 1876 the per capita production of phosphate rock was 9 pounds. In 1913 it was 8 times that quantity, or 72 pounds.

In 1876 we produced no arsenious oxide, no bismuth, and no calcium chloride; in 1913 the per capita production of arsenious oxide was 350 grains; of bismuth 11 grains, and of calcium chloride 6 ounces.

A number of other mineral substances, none of which was produced at the time of the Centennial Exposition, are now important factors in our mineral production. Among the most important of these is natural gas, of which over 6,000 cubic feet per capita are now consumed annually in the United States. Others of these minerals are nickel, abrasive garnet, pum-

ice, artificial abrasives, fuller's earth and magnesite, together with the rare earths and metals, such as thorium, tungsten, uranium, and vanadium ores.

The exhibit at San Francisco shows the quantity of each of these substances produced per inhabitant in 1876 and the amount in 1913. Each visitor may therefore view the quantity of the several minerals that he may consider his share, and he will perceive how much richer he is than his father in '876.

CHINESE RAILWAY PROGRESS.

According to an advertisement in the Peking Gazette, the Peking-Kalgan Railway has obtained the sanction of the Chiao Tung Pu at Peking to issue a new loan for \$1,000,000. [The value of the silver dollar fluctuates widely; for the March quarter, 1915, the United States Treasury conversion rate is 39 cents.] The interest for the first half year, at the rate of 7 per cent, will be paid to the subscriber at the time when he makes payment, together with interest at the same rate from date of payment to the end of June, 1915.

The construction of the railway between Peking and Jehol, it is reported, will be commenced in April with an expenditure of \$12,000,000 provided from the surplus of the profits of the Peking Hankow and the Peking-Mukden Railways, paying in \$4,000,000 annually.

A French inventor claims to have discovered a substance more sensitive to wireless waves than any now in use and to have perfected receiving apparatus which does away with all outer wires and antennae.

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110 JESSIE ST.

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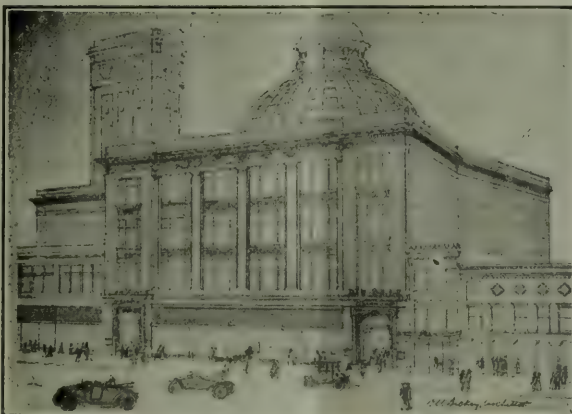
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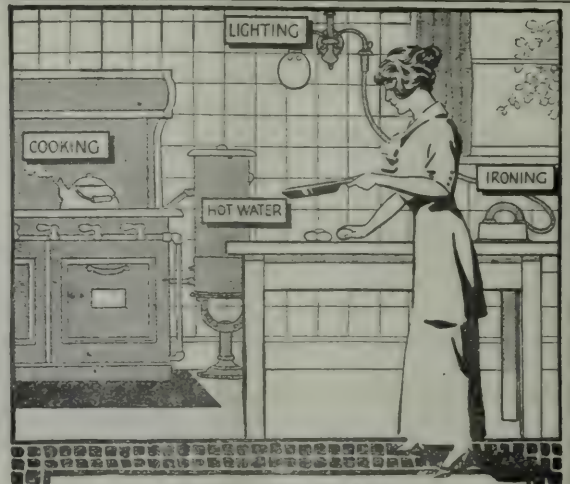
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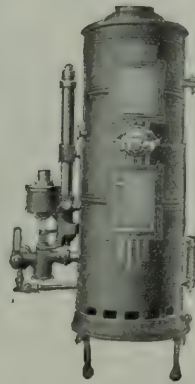
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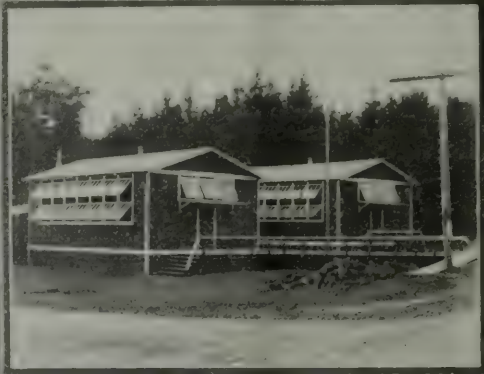
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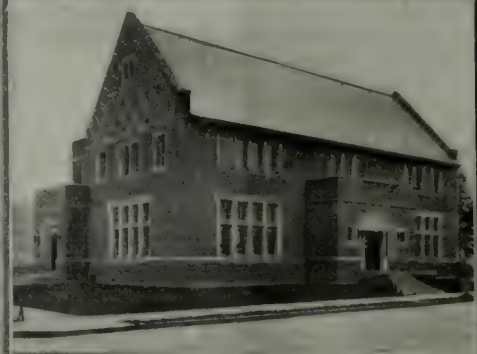
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Building and Engineering News

Devoted to the Architectural, Building, Engineering and Industrial Activities
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Issued Weekly, \$3.00 per year

San Francisco, April 14, 1915

Fifteenth Year, No 15



Devoted to the Architectural, Engineering, Building and Industrial Activities of the Pacific Coast.

Circulates among the leading Architects, Engineers, Surveyors and Contractors and Municipal Authorities on the Pacific Coast.

Entered as second-class matter at San Francisco Post Office under act of Congress of March 3, 1879.

ISSUED EVERY WEDNESDAY

L. A. LARSEN,

Publisher and Proprietor.

SAN FRANCISCO OFFICE

560 Mission Street.

Telephone—Douglas 2372.

OAKLAND OFFICE

1011 Franklin St., Builders' Exchange.

Telephone Oakland, 790

Advertising Rates on application. If enquirers will send copy of matter and state space required, close figures will be given.

Subscription Rates—One Year, \$3.00; Two Years, \$5.00; Five Years, \$10.00, payable strictly in advance. Single copies, 15c.

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Editorial Comment.

The Chronicle continues its campaign against the purchase of Spring Valley principally by innuendo. It says that the Hetch-Hetchy will not be brought in as a consequence of the purchase, yet it gives no plan by which Hetch-Hetchy is to be brought in and its water made available. If we do not purchase Spring Valley what is to be done and what prospect have we of doing it? If the price is exorbitant then the detailed appraisal made under the direction of the City Engineer is not correct and we have not received a correct statement. There is only one of two things left to be done and that is either to build a competing system or to commence a condemnation suit. In either case the prospect of an adequate water supply in the near future is remote. There has never been and will perhaps never be accord between the water company and the people. They have used every means to prevent the acquisition of Hetch-Hetchy. They will no doubt resist any attempt to make them give adequate service. There will be a continual wrangle and we will get nowhere without a great expenditure of money. There is no alternative offered by the opponents of the purchase that presents any logical plan.

Now if the price is exorbitant the City Engineer has in his office a detailed report of 32 volumes, containing detailed costs of reproduction of every unit of the system with depreciation figured thereon. If there is a nigger in the wood pile why don't the Chronicle put its finger on the place? There are reasons given for the purchase of every property. We bank on the judgment of the City Engineer. We believe he is right and that his recommendation should be acted upon.

We have heard a lot of flap doodle about bringing in Hetch-Hetchy. Ex-Mayor McCarthy was going to have it brought in five years. How, nobody knows. There was never a comprehensible statement made in regard to the whole matter until Mr. Freeman made his report. When a man of the standing of Mr. O'Shaughnessy makes a clean cut and definite statement on a question of such vital importance as that of the proposed purchase of Spring Valley we take his report for its face value and unless the opposition can show some tangible ground for their contentions they are not worthy of serious consideration.

The stock argument of the Chronicle against the purchase of the Spring Valley is that we are abandoning Hetch-Hetchy. There is a general lack of knowledge as to what rights we have in the Hetch-Hetchy water sup-

ply. Our right depends upon the use we may make of it and we can only use it when we have exhausted our present sources of supply.

If any one will recall the conditions under which that grant was given they will readily see that we were lucky to get it at all. It was passed by the Senate the last thing on the last night of the session. Our own immortal Nancy Works, Senator from the Sovereign State of California, led the opposition against it. Every newspaper east of the Rocky mountains declaimed against it. Even the Outlook, which is supposed to be fair, was most bitter in its attacks upon San Francisco. Every boob and nature fakir and every other ballyhoo was rushing into public print to denounce the steal of the grasping municipal corporation. And, as in everything else, the East holding the great balance of power was quite willing and anxious to regulate our affairs for us.

Now, if we do not get Spring Valley, will the Chronicle please tell us how we can get Hetch-Hetchy? How we can get a more adequate service at a cheaper price? Or how we are going to get any adequate service at all? If we have to wait for the mandate of courts every owner will have to dig a well in his back yard and provide his own water supply.

That we were right in our demands for Hetch-Hetchy can not be questioned. But the federal authorities did not think so. They refused to give us an unconditional grant and our right to Hetch-Hetchy is good only when the available supply of Spring Valley is exhausted. If we are to judge by the past, if we do not purchase it will be the same thing over again in regard to disputes as to ability to furnish water. The chances are that we will have to purchase anyway sooner or later as in any event that would be cheaper than a condemnation suit. If the Chronicle can show wherein the price is exorbitant let it present the figures. If not the question should go before the people free from misstatements.

A STATUE OF BRICK.

Perhaps no other nation in the world save the inventive Germans would have thought of building a statue of brick. In the little city of Vegesack, near Bremen and in the district of the German clay fields, the citizens have erected such a statue to one of their number who won fame as an African explorer. The monument is of brick, thirty feet in height, including the pedestal. The architect molded the figure of a man and camel out of a solid mass of clay, which was burned in a great kiln and then sawed into brick sized blocks.

The Proposed Spring Valley Purchase.

Replies to the Inquiries of Mr. Adolph Uhl Addressed to City Engineer M. M. O'Shaughnessy in Letter of February 17, 1915.

Q. 1. Is the Spring Valley Water Company building the Calaveras Dam in conformity with Mr. Freeman's plan and specifically referred to in Mr. Freeman's report, page 160-M?

Q. 2. If this Dam is not being built in accordance with the Freeman plan, kindly give:

1st. Height of dam being constructed.

2nd. Is the dam being constructed of sufficient proportions to allow of carrying out of Mr. Freeman's plan in the future?

Ans. 1-2. The Calaveras Dam is being built to the full height indicated in Mr. Freeman's report. Its spillway elevation will be 790 feet, and according to recent data the reservoir will have a storage capacity of 53 billions of gallons as against the 46 billions of gallons estimated by Mr. Freeman on the data which was available at the time. The dam location has been moved up stream a quarter of a mile from the site on which Mr. Freeman planned, and the present structure and work is being done under the supervision of William Mulholland, Chief Engineer of the Los Angeles Aqueduct. I have personally been keeping an active watch on all features of this work to protect the city's interest in case San Francisco should acquire the property, and I feel satisfied with the methods of procedure. Owing to doubtful rock strata which could not adequately support a masonry dam 200 feet high, I feel the selection of the earth fill dam is the only safe solution of the problem.

Q. 3. How many gallons of water have been developed in the wells which have recently been completed by the City of San Francisco in the outlying districts?

inches in diameter have been bored to explore the strata of the City's property from the Richmond District south to the vicinity of Lake Merced. One well 256 feet deep on Block No. 339, bounded by Balboa and Cabrillo streets, 42nd and 43rd avenues, yields a very small quantity of water. A second well has been sunk to a depth of 211 feet on the west side of 44th avenue between Fulton and Cabrillo streets. This yields 350,000 gallons per day. A third well, which I believe will be equally prolific, is now being sunk to a depth of 315 feet on the same fire lot. It is our intention to develop similar wells south of the Park, so that water can be drawn from the sub-strata at different centers in order not to lower the ground water too much at any one point which would inevitably result in infiltration of sea water and render the well supply unfit for further use. On February 17th I asked the Supervisors for an appropriation of \$500,000 to sink additional wells, put in pumping plants and a distributing reservoir in Lincoln Park, for which purpose we have a concession of about 3 acres from the Park Commission.

Q. 4. How much more water do you expect to secure from this source?

Ans. 4. For detailed investigation on well strata of San Francisco, I refer you to report by me of May, 1913, for sale in the Clerk's office of the Board of Supervisors at \$1.50, describing nearly every well in the City and County of San Francisco and the possible productiveness of different districts. On page 150 of this report is a resume of the estimated possible additional development in gallons daily, which shows from the Sunset and Richmond Districts about 3 million gallons. I believe this estimate to be conservative and practically an equivalent of what the Spring Valley has taken out of Lake Merced with a similar area of drainage zone. Copies of this book are also on file in the Chamber of Commerce, from which your letter is addressed.

Q. 5. Kindly give locations where the fifty samples of pipe were taken from, referred to in your report of May 14th.

Ans. Accompanying map, exhibit "A," shows where those samples were taken and indicates the location of pipe tests.

Q. 6. You refer to eighteen miles of pipe, valves and fittings costing \$400,000. For what system was this pipe purchased?

Ans. 6. This pipe was purchased for the High Pressure System. Due to an underestimate made at that time, the adverse conditions, and to an increase in cost of labor from \$2.50 to \$3.00 per day subsequent to the estimate, it has been impossible to lay it. The stock on hand in the Municipal Pipe Yard at the present time consists of:

8,000 tons of cast iron pipe,	costing	\$318,000
Gate valves, etc., costing	93,000	

Total	\$411,000
-------------	-----------

This pipe is very thick, capable of standing a pressure of 300 pounds to the inch and would not be economic to use for distributing mains.

Q. 7. How long has same been on hand?

Ans. This pipe was purchased and has been in the City's possession since 1910, and is the remaining portion of the 90 miles intended for the High Pressure Fire Protection System.

Q. 8. What will it cost to install same.

Ans. The 72 miles laid cost \$972,102, or at the rate of \$13,500 per mile for the laying. On the same basis it would cost \$243,000 to lay this 18 miles of pipe, so that it would serve as a part of the High Pressure System.

Q. 9. In your statement to the Supervisors of September 29th, you state Mr. Freeman estimates the Hetch Hetchy water system to cost about \$40,000,000. Kindly advise where you get this amount. Is it referred to by Mr. Freeman outside of the Freeman report? If so, kindly furnish copy.

Ans. On page 160 of Mr. Freeman's book, he gives an estimate of \$36,981,000 for the cost of the first installment of the Hetch Hetchy project. On page

251 of Mr. Freeman's book he gives the cost of labor as \$2.25 per day of 8 hours as the basis for his estimate and confirms this unit price by reference to outside projects, such as the Oakdale Irrigation District, the Great Western Power Company and the Pacific Gas and Electric Company, which secured good men at the same or less wages. According to the interpretation of the Charter of the City and County of San Francisco, which I am working under, no laborer may be paid less than \$3.00 per day and this ruling has been adhered to in our work so far developed. This would mean that an addition of 30 per cent would have to be made to the labor cost of the project, and as the experience of Los Angeles showed that the labor cost of their project was 60 per cent of the entire cost, this interpretation would mean that the following additions should be made to Mr. Freeman's figures:

60% of \$37,000,000	\$22,200,000
30% of this	6,600,000
and adding \$6,600,000 to \$37,000,000	would make \$43,600,000; so that my interpretation of Mr. Freeman's estimate you can take to be very conservative when I state that it will cost at least \$40,000,000. I have been endeavoring to economize on the Freeman plans in many ways, such as cutting the 160,000,000 gallon pipe line down to smaller sizes, so as to bring this project within reach of the City.

Q. 10. How many gallons in addition to the 40,000,000 gallons being delivered in the city by the Spring Valley Water Company are needed to supply the known existing demands within the city?

Q. 11. How many gallons are needed in the outlying districts?

Ans. 10-11. Five million gallons of water could be immediately used per diem with more distributing mains inside the City. There is a lack of mains now in the outside section of the City due to the reluctance of the Spring Valley to lay them. In Los Angeles, where the municipality owns the system, they have what is known as the 80-cent ordinance, compelling all property owners on each side of the street to pay 80 cents a front foot towards laying an 8-inch or 6-inch cast iron pipe, as may be decided by the Water Department. When enough revenue is derived from the sale of water along the pipe to compensate for the cost of same, the property owners are reimbursed by the city. I have investigated conditions in Chicago, Washington, D. C., and other eastern cities and all realty speculators who develop new tracts of land in those cities are required to pay for water pipes in the same manner as they pay for sewers and street grading.

Q. 12. Would like detailed account of the revenue to be derived from additional amount of water to the 400,000,000 gallons now being furnished by the Spring Valley.

Ans. The present gross income of the Spring Valley on a basis of 40,-

600,000 gallons per day amounts to \$3,400,000 per annum or 22 cents per thousand gallons, and it is safe to assume that the 50% additional supply brought in from purchased sources to the City should sell on a similar basis. Considering the fact that San Francisco's uneven topography, varying from sea level up to an altitude of over 600 feet, involves very heavy costs for pumping to the higher levels, and also in view of irregular rainfalls and other conditions, this rate would not seem to be unfair.

Q. 13. Has any appraisalment been made of the amount necessary for San Miguel reservoir referred to in the Freeman report? (a) How many acres? (b) Cost of same?

Ans. The cost of the San Miguel reservoir, having a capacity of 500,000,000 gallons is estimated at approximately \$810,000. This includes the purchase of 60 acres of land at \$2,000 per acre. This dam would be across a steep canyon in Glen Park and would compel a dam 130 feet high and 700 feet long. In view of the popular prejudice against so high a dam in this location, my preference is for the Industrial School site of 43 acres, where 200 million gallons can be impounded in a reservoir not more than 40 feet deep.

Q. 14. In making your reproduction estimate of the cost of Spring Valley Water Company's physical structures, kindly advise of what data you made these reproduction costs?

Ans. December 31, 1913.

Q. 15. Would like detailed information regarding the appraisalment, showing amount allowed for depreciation, etc.

Q. 20. What is the appraised value of the Spring Valley Water Company's physical structures, including pipe lines, between Crystal Springs and the southerly boundaries of the City and County of San Francisco?

Q. 21. What is the appraised value of the distributing system of Spring Valley Water Company in the City and County of San Francisco?

Q. 63. Kindly furnish copy of the appraisalment of the physical structures of Spring Valley Water Company.

Ans. 15-20-21-63. The appraisalment of the Spring Valley Company's structures consist, first, of an estimate of the cost of building, at the present time, the same structures in the same locations. The reproduction value was based on the assumed use of the best modern methods of construction, not necessarily those in use at the actual time of building the various parts of the works.

Depreciation was applied, item by item, to the reproduction cost. The age of each structure, and the average life of such structure being known, we have a factor which, multiplied by the reproduction value as already estimated, gives the depreciation.

Subtracting the depreciation from the reproduction value gives the present value of the structure.

The following is a summary of the valuation placed by the Advisory Water Committee upon the various properties of the Spring Valley Company which it is proposed to acquire:

Properties to Be Acquired by the City from Spring Valley Water Company.

Physical structures, including stock and material on hand, value \$4,999,897.11 for depreciation)	\$13,922,533.79
Real estate in San Francisco (exclusive of Lake Merced properties) ...	1,100,000.00
Lake Merced properties (823.67 acres at \$2,000 per acre)	1,647,340.00
Properties outside of San Francisco — San Mateo, Santa Clara and Alameda Counties, except 48 acres in Merced Tract in San Mateo County— 67,348 acres at \$100 per acre)	6,734,800.00
Rights of way	520,000.00
Reservoir sites, (5,580.08 acres at \$900 per acre)	5,022,072.00
Riparian and other water rights, developed and undeveloped	3,350,000.00
Going concern value	2,500,000.00

Total

\$34,796,745.79
The above estimate does not include the valuation of 80,000 service connections which the city contends belong to it or the consumers. They are, however, covered by the terms of the purchase.

Details of the City Engineer's appraisal are contained in 32 large volumes, on file in this office. In Division No. 8, Detail pages 37 and 38, the reproduction cost of the Crystal Springs pipe line is given as \$878,968; depreciation was computed as \$405,394, leaving the value as of December 31, 1913, \$473,574.

Q. 16. (A) Do the plans of the Hetch Hetchy physical structures follow closely in design the physical structures of Spring Valley?

(B) If detailed blue prints can be had of each, would appreciate a set of same.

Ans. (A) They do.

(B) Detailed prints of the Spring Valley structures, occupying several large volumes, are in my office for public examination. Detailed plans of proposed Hetch Hetchy Dam are now being designed.

Q. 17. What is the estimated cost of the Hetch Hetchy physical structures, including pipe lines, between Crystal Springs reservoir and the southerly boundaries of the City and County of San Francisco?

Ans. On page 301 of his 1912 report for a pipe line 4.5 feet in diameter with a capacity of 60,000,000 gallons daily, Mr. Freeman gives the following costs:

Crystal Springs Dam to Millbrae	\$913,400
Millbrae to University Mound	
Reservoir	916,800

\$1,830,200

This line would not be built for a number of years, however, the plan for the initial development includes a pipe line direct from Irvington through Redwood City to San Francisco. The existing pipe line is large enough to handle the draught from Crystal Spring Reservoir until such time as it is considered advisable to utilize

the reservoir for the storage of Hetch Hetchy or Alameda water.

Q. 18. What is the estimate cost of the distributing system of Hetch Hetchy for the City of San Francisco?

Ans. The latest estimate of cost of an independent city distributing system for Hetch Hetchy water is that given by the City Engineer in his report of September 14, 1908, on the Lake Eleanor project. The cost of a distributing system, with receiving and distributing reservoirs, pumps, 643 miles of distributing pipe and necessary lands, but omitting service connections, is there estimated at \$12,170,820.

Since 1908 the cost of labor has gone up, and more pipe is necessary than in that estimate. These conditions would operate to raise the estimate to \$14,550,000 for the city distributing system alone, provided 768 miles of pipe are laid.

Q. 19. What is the estimated cost of that part of the Hetch Hetchy system within the City of San Francisco in the outlying districts?

Ans. The portion of an independent Hetch Hetchy distributing system in the outlying districts of the city would cost between \$2,500,000 and \$3,500,000.

Q. 20. What is the appraised value of the Spring Valley Water Company's physical structures, including pipe lines, between Crystal Springs and the southerly boundaries of the City and County of San Francisco?

Ans. This question is too indefinite to permit of an intelligible answer.

Q. 21. What is the appraised value of the distributing system of Spring Valley Water Company in the City and County of San Francisco?

Ans.	
Reproduction	\$9,165,871.80
Depreciation	2,530,851.44

Present Value

\$6,635,020.36

Q. 22. What will it cost the city to bring the physical structures of Spring Valley up to the efficiency of the standard of Hetch Hetchy physical structures?

Ans. Cast iron pipes and reservoirs of the Spring Valley distributing system inside the city and the reservoirs and pipes outside the city are up to the standard of proposed Hetch Hetchy structures. Answer to No. 35 explains expenditures necessary to improve the Spring Valley distributing system. The reservoirs and plants outside the city are in excellent operative condition.

Q. 23. Within how many years must 50 per cent be brought up to this efficiency?

Q. 24. Within how many years 75 per cent?

Q. 25. Within how many years 100 per cent?

Ans. 23-24-25. The answer to these questions is contained in answer to question No. 22. Extensions to meet demands for additional service and all necessary feeders can be laid for \$2,500,000. If the purchase of Spring Valley is made the city will acquire the 13 miles of pipe material now in the Spring Valley yard, and lay this at a cost of about \$150,000.

Q. 26. On page 13 in report to the Supervisors of September 28th and 29th, 1914, you say "Our reservoir completed with a capacity of 400,000,000 gallons, etc." Does this capacity in-

crease the costs referred to in the Freeman report, page 300—"the proposed structures designed to ultimately supply 400 to 500 millions, but initial development of 240 millions estimated cost to cover power to San Francisco."

Ans. This capacity increases the cost of the Hetch Hetchy Dam, as it is the intention to build it to the height of 300 feet as the initial construction. This is for the purpose of delivering a continuous supply of water for power which will be developed at Moccasin Creek, 20 miles below the Early Intake. You can readily see that were a power unit intermittent it would require a large duplicate steam plant, and as a matter of economy it is desirable to make our power project as efficient as possible, in anticipation of competition with existing power plants. Apart from our desires, however, under the terms of the Hetch Hetchy Act, the Government makes it obligatory on us to develop power, as it is the policy of the Nation not to permit any municipality to sit still and hold a natural resource without utilizing it. Mr. Freeman's report was made previous to any announcement of policies by the National Government and hence many features of his preliminary report have to be substantially modified to work in with our present conditions and obligations.

Q. 27. Assuming, if you please, the necessity for the city to build a new distributing system in the city in connection with Hetch Hetchy, would you duplicate the Spring Valley, using the same diameter of pipes now in use?

Ans. The 339 miles of cast iron pipe of the Spring Valley Water Company from 30 inches to 6 inches, and 11.6 miles of wrought iron pipe from 44 inches to 12 inches in diameter might well be duplicated. It would not be desirable to duplicate the 133 miles of pipe varying in diameter from $\frac{1}{2}$ inch to 2 inches, but if the city acquires the Spring Valley system it will be good business to utilize these pipes and to straddle them about two blocks apart with feeder pipes.

Q. 28. What is the smallest diameter of pipe you would use in the distributing system? (I do not refer to service connections.)

Ans. Six inches would be the smallest size pipe I would care to use.

Q. 29. On page 12, transcript of proceedings Board of Supervisors, September 28th and 29th, 1914, you stated:

"One of the great troubles we have in San Francisco at the present time is the lack of distributing pipes for our supply. There are only 568 miles of pipe in San Francisco, and of that, 133 miles are of pipe less than three inches in diameter, and all of those smaller pipes have been put in inside of the last ten years. In other words, for the last ten years the Spring Valley Water Company has laid no large distributing mains."

Q. 30. The last and last sentences are co-related, and I presume you refer specifically to distributing mains in the settled sections of the city. Where would you suggest the large distributing pipes should be laid?

Ans. 29-30. More especially and immediately in those sections needing water, including the Richmond and Sunset Districts, large pipe should be

laid. Owing to the small size of the feeder pipes in those areas, at the present time when water is being drawn from the lower levels people in the higher levels are deprived of water; as both those sections are of high realty values and in rapid stages of development, for the city's interest they need the most immediate relief.

Q. 31. Referring to the foregoing pipes, what size pipe or pipes would you use if the city were to build the distributing system for Hetch Hetchy?

Ans. All the branch distributing pipes I would have 8-inch and 6-inch with feeding pipes of larger diameter, up to 30 inches, taking the main supply to zones, so that the water would have a perfect circulation.

Q. 32. What diameter of pipe would you say should have been used on the 133 miles in place of the 3-inch referred to?

Ans. I would add to this section about 50 miles of 6-inch and 8-inch pipe.

Q. 33. What will be the approximate cost to run a parallel pipe to the above in order to give proper service?

Ans. To add 50 miles of 6-inch and 8-inch pipe in this section would cost about \$450,000.

Q. 34. Assuming the city paralleled this 3-inch pipe, what diameter pipe would you use?

Ans. Not less than 6-inch.

Q. 35. You further state on same page:

"I would say that we should need at least 200 miles more of pipe at the present time to give adequate service. At the present time there are 568 miles of pipe, and I believe that 200 miles of additional pipe could be laid to advantage. In the Richmond section alone, one 16-inch main laid about fourteen years ago, supplies about 40,000 people, and that is the worst served section of the city."

From the above statement, I assume the 200 miles of pipe are in connection with bringing the present distributing plant up to efficiency, inasmuch as you refer to one 16-inch main in the Richmond District, where the service should be improved?

Q. 36. I further assume additional distributing pipe will be necessary?

Ans. 35-36. From the previous answer we can see that 50 miles would be used to fortify the 133 miles of smaller pipe and that there should be laid in addition 150 miles in newly developed districts which need water mains. The 16-inch pipe referred to should be supplemented by a 24 or 30-inch main from Laguna Honda, across the Park, and this office has already prepared plans for laying same.

Q. 37. Approximately, what will be the cost to install the 200 miles of pipe which you say are needed to give an adequate service?

Ans. The required 200 miles of pipe will cost, in place, about \$2,500,000.

Q. 38. Approximately, what were the 200 miles of pipe, which you would parallel with larger mains, appraised at?

Ans. The appraised value (depreciated) of 133 miles of Spring Valley pipe, 2 inches and less in diameter, is \$267,157.

Q. 39. If the city were to parallel the above 200 miles of pipe, under a new Hetch Hetchy system, what would

be the approximate cost to install same?

Ans. The cost of 133 miles of 6-inch pipe in those outlying districts would be approximately \$1,200,000.

Q. 40. Quote the expense for street opening in laying new system?

Ans. On an entire new pipe distributing system the cost of opening and replacing pavements would amount to about \$1,400,000.

Q. 41. If you were constructing Hetch Hetchy, and were to acquire the Spring Valley properties, would you replace the present pumping plants and other physical structures, or would you remodel the entire system?

Ans. I would retain the present structures and the present system, but conform all new construction to our ultimate and superior source of water supply. The Belmont Pumping Plant is conceded by the engineers who examined it to contain as good pumps as exist in the United States. The same may be said of the equipment of the Millbrae and Sloat Boulevard plants. While the operating efficiency of the pumps is excellent, we are acquiring them at a depreciated value.

Q. 42. Approximately how much more or less would the system that you would design cost?

Ans. The distributing system is appraised at depreciated value of \$6,635,223. An absolutely new parallel, up-to-date system inside of the city, covering only the territory now supplied by the Spring Valley, would cost about \$12,000,000 for 568 miles of pipe, exclusive of service connections, which would be the immediate outlay in connection with an absolutely independent Hetch Hetchy project. See also the answer to question No. 18.

Q. 43. Or, if that is a difficult question to answer, allow me to ask another question. Would you consider the present physical structures in all respects efficient and such as you would plan at this time?

Ans. The physical structures of the Spring Valley are in a high state of efficiency and are well kept up. The only objection at all with the system is the 133 miles of small pipe which have been laid in the past ten years while litigation has been prosecuted with the city.

Q. 44. On page 7, same report, Chief Justice Sullivan states:

"In the opinion of experts employed by the city and in the opinion of the City Engineer himself and those assisting him, the physical structures, including stock and material on hand, amount in value to the sum of \$13,922,533.79, allowing for depreciation."

Q. 45. In the absence of a statement from you on this subject, will you kindly advise how the amount was arrived at?

Q. 46. What was the value of the entire physical structure?

Q. 47. What amount allowed for depreciation?

Q. 48. If other allowances, kindly indicate what the allowances covered and amount of same?

Ans. 44-45-46-47-48. This amount was arrived at by Engineers selected by the city to go over all the works of the company, employ the necessary assistants, measure all the structures, determine their condition and place a valuation thereon. In my office at the present time there are 32 large vol-

umns, 8-inch by 11-inch in size, which contain a complete transcript of all the figures used in compiling this estimate. The reproduction value of the physical structures was estimated at nearly \$19,000,000 and the depreciation practically \$5,000,000, which made a net of nearly \$14,000,000, the amount you mention. From the extensive experience of Mr. Dockweiler in municipal litigation, he was selected, on my recommendation, to take charge of appraising all structures outside of the city, while the appraisal of those inside the city was made under my personal supervision. I understand that Mr. Hazen, Engineer for the Spring Valley, who is a man of the highest standing in the professional life of the United States, valued those same structures at \$22,000,00, and that his depreciated value was about \$18,000,000. Mr. Hazen was employed by the city in the last few years in connection with making a report on a filtration plant for the Sacramento River and is an engineer of integrity and ability for whom personally I have the greatest respect.

Q. 49. On page 10 in your statement to the Supervisors September 28th and 29th, 1914, you state:

"Last year you asked me to segregate those portions of the Spring Valley Water Company's properties that were necessary and essential to supply water to San Francisco in connection with our Hetch Hetchy supply."

Q. 50. Just what did you understand the Supervisors to have you include in that resolution?

Ans. 49-50. By Journal Resolution No. 639 of February 24th, 1913, the Board of Supervisors requested me to transmit to the Board "a list of properties belonging to the Spring Valley Water Company, necessary, available and useable for a source of water supply for the City and County of San Francisco, and which lands and other properties, including distributing system, can be made an integral part of the Sierra Water Supply." This is the exact phraseology of the resolution.

I believe this language is sufficiently explicit as to the purposes of the Board of Supervisors and I interpreted it to mean that I should include all necessary available and useful portions of Spring Valley, and exclude anything which would not fit in with our Hetch Hetchy proposed development. For this reason, lands in the Coyote watershed south of Mount Hamilton, and other lands are excluded, and the Advisory Water Committee is in no way responsible for the exclusion of those lands, which were excluded as the result of my judgment in the premises and which, as an engineer of standing, I am prepared to sustain as being well thought out and well balanced.

Q. 51. In making appraisement of the physical structures of Spring Valley Water Company, is the appraisement the reproduction cost of Spring Valley properties? If not, of what date? Copy of same?

Ans. I believe this is fully answered in Nos. 21, 44, 45, 46, 47, 48. The appraisement is that of the physical structures of the Spring Valley Water Company, depreciated to the 31st day of December, 1913, the date the condemnation suit was filed.

Q. 52. Referring to Mr. Freeman's estimates Hetch Hetchy dam and reservoir cost \$1,138,000. On page 23 proceedings before Supervisors, September 28, 1914, you say the dam will cost \$3,000,000. Kindly explain difference in cost?

Ans. Mr. Freeman made an estimate for a very low dam, without considering the present utilization for power. I proposed to build a much higher dam, in fact build it to a height of 300 feet and have a continuous supply of water for power, as a first installment of construction. The city is now paying \$15,000 a month for power for the Municipal Railways. Before the year is up, with the expansion of the Municipal system, it is probable we shall be paying \$20,000 a month or \$240,000 a year. For lighting streets at the present time, the annual bill is very nearly half a million dollars and the streets are very inadequately lighted. We thus have an annual light and power bill of \$750,000 with even present needs poorly provided for, and as our city is bound to grow like New York, you can at once see the wise policy of expediting our power development. As San Francisco gets its bond money at 4½ per cent and private companies are now paying over 7 per cent on new stock issues, you must be convinced that there is quite a field for municipal activities in this line.

Q. 53. On page 23, Proceedings of Supervisors, September 28th, 1914, you say: "Aqueduct connected to city from Sunol will cost four to five millions," and on page 34 you say "To bring additional waters from Sunol and Pleasanton an additional pipe line from there into San Francisco must be built, which will cost about \$3,000,000."

Q. 54. Kindly advise what factors make the difference in the cost of these pipe lines?

Ans. 53-54. The figures quoted are for two separate proposals. The portion of the Hetch Hetchy aqueduct along the Freeman route from Irvington Gate House to San Miguel reservoir would be 41 miles long and would cost for pipe varying in diameter from 5½ to 5 feet, with a 60,000,000 gallons daily capacity, close to \$5,000,000. It will be my recommendation to construct at the present time all tunnel aqueducts to have the full ultimate capacity of 400,000,000 gallons per day. I believe however, it will be an economic waste at the present time to build our pipe lines to even one-quarter this capacity, or 100 million gallons per day. I am preparing, however, a revised estimate allowing the tunnels of the Freeman plan the full size and reducing the pipe lines to the economic diameter to serve our purposes for 20 or 25 years to come, and when the consumption shall have increased to the capacity of these pipe lines to supplement them by such additional pipe lines as may be necessary. Relative to your paragraph "to bring additional water from Sunol and Pleasanton \$3,000,000," I have an estimate of the Spring Valley engineers of March 11, 1913, for building a 48-inch pipe line from Niles to Belmont, 32,000,000 gallons daily capacity, and from Belmont to the Central Pumping Station for a 48-inch pipe line with 36,000,000 gallons capacity, at a combined cost of \$2,132,000. Additional pumping sta-

tions, pumps at Belmont and other expenses would, in my judgment, bring the amount up to \$3,000,000. In this connection, for the Spring Valley supply of 40,000,000 gallons at the present time and from the present sources the capacity of the Peninsula pipes from San Mateo to San Francisco is 51½ million gallons. It is impossible for Spring Valley to use this pipe to its full capacity without installing additional pipe from the Alameda side. In other words, the most immediate relief for supplying additional water would be to work this capacity to its limit by laying the additional pipe from Sunol to Belmont, but I am entirely satisfied that the amount of \$3,000,000 will be more than ample to bring the 25,000,000 gallons additional water per day. You will note my estimate was for an independent pipe line of 60,000,000 gallons per day capacity. Hence the difference. In this connection it is interesting to note that the Army Engineers, on page 16 of their report to the Secretary of the Interior, of date February 19, 1913, credit the Alameda system of the Spring Valley Water Company with a possible supply of 87,000,000 gallons per day. It is also interesting to note, however, that I have discounted this productiveness in all negotiations with the Spring Valley Water Company and allow only for an additional 25,000,000 gallons over and above the 40,000,000 gallons daily now supplied from the present sources.

Q. 55. On page 23 you give items of cost for developing and transmitting power to San Francisco. Does the \$9,000,000 cover every item that will put the current on the switchboard of the Geary Street Line? If not, what will be the additional cost?

Ans. My estimate of \$9,000,000 does not cover the cost of installation of the electrical machinery, forebay reservoir and pressure pipe, which will cost possibly \$30, per horse power, or \$1,500,000 for that portion of the plant. Transmission line will possibly cost \$7,000 per mile, or for 140 miles, roughly, \$1,000,000. Thus \$2,500,000 should be added for the full cost of power development.

Q. 56. What will the current cost at the switchboard?

Ans. In Case 400, before the Railway Commission of the State of California, the cost of electricity at the switchboard from hydroelectric power was shown to be \$0.00488 per K. W. hour. This is the product of a composite plant built through long periods of years from various sources. With a concentrated plant constructed with the more modern knowledge of the art of hydroelectric development, I have no reason to doubt that we should be able to deliver power to the switchboard in San Francisco at ½c per K. W. hour.

Q. 57. Why is the city paying for the current at the switchboard?

Ans. The cost of current for lighting is included in the price paid by the city of so much per lamp for each lamp or number of lamps maintained by the Pacific Gas & Electric Company. Current for power is paid for on a basis of measurement taken at the place of use. Current for the Municipal Railroads is paid for on the basis of measurements made at the point of delivery. In the case of the

Geary Street road this is at the points where feed cables of the Pacific Gas & Electric Company join the feed cables of the municipal railways. In the case of railroads built under the bond issue of 1913 current is measured at the switchboard of the Pacific Gas & Electric Company, where current is delivered to the feed cables of the municipal railways. The increase in the power bills under the method used in the extensions of 1913 is less than $\frac{1}{2}$ of 1 per cent. The method of measurement in this case was adopted because it was in accordance with the contract existing between the city and the Pacific Gas & Electric Company.

Q. 58. On page 24 you say, "It is the plan of the City Engineer's office to build aqueduct, dam, etc., in next three years. Kindly furnish outline of your plans and costs."

Ans. Exhibit "B" is the latest document, which explains our status in the way of development and what our program is for the coming year. The scope of our accomplishment in response to this program will be entirely limited by the speed with which our bonds are sold. These are at present selling over the counter in the Treasurer's office rather slowly, but I do hope, with the readjustment of the civic and financial turmoil now agitating the world, that we shall have a ready market. If it were not for the war I believe they would sell quite freely.

Q. 59. Is the pipe capacity of Spring Valley between Crystal Springs and the City of San Francisco sufficient to carry the additional supply amounting to 30,000,000 gallons daily secured by the erection of Calaveras Dam?

Ans. In a previous reply I stated that the present pipe capacity of the Spring Valley system from the Peninsula sources to San Francisco is 51½ million gallons. Without additional reinforcement it would therefore be impossible to bring to San Francisco the extra 30,000,000 gallons secured by the completion of the Calaveras Dam.

Q. 60. If not, what will be the cost of necessary pipe?

Ans. The cost of this pipe has been stated in a previous paragraph (No. 53.).

Q. 61. From which reservoir will the people in the outlying districts be served?

Ans. Principally from Laguna Honda, at an elevation of 365 feet above City Base. As this site exceeds in elevation the greater portion of the city, this will be a desirable reservoir from which to distribute water. The city has the right to build a similar reservoir in Lincoln Park at a high altitude, and by laying additional feeder mains from these two reservoirs, the service in a short period can be made satisfactory.

Q. 62. If a reservoir is to be provided for this purpose, kindly give location and cost of same?

Ans. The cost of the reservoir in Lincoln Park will not exceed \$100,000. This will have 3,000,000 gallons capacity and be an ornamental feature of the Park as well as a valuable unit in the distributing system.

Q. 63. Kindly furnish copy of the appraisement of the physical structures of Spring Valley Water Company?

Ans. The physical structures, in-

cluding stock and material on hand are appraised at \$13,922,535. The details of the appraisal of these structures occupy many volumes and extra copies have not been printed, but you may consult the originals on file in my office. It is interesting to note that the valuation of a portion of these structures was fixed by Judge Farrington at \$13,378,586. Over \$1,733,922 have since been expended by the company on physical structures.

DRAINAGE NEEDED FOR IRRIGATED LANDS.

Government Publication Emphasizes the Value of Proper Drainage Systems in Arid Regions.

A Washington, D. C., report says: More than 10 per cent of the irrigated lands in the United States which have had water for any considerable period of time are now either absolutely unproductive or given over to poor pastures and unprofitable crops, according to the United States Department of Agriculture. Waterlogging and the accumulation of harmful mineral salts are responsible. Even in some of the most recent irrigation projects serious injury from these causes has been wrought.

Methods of reclaiming land which has fallen into this condition forms the subject of a new bulletin of the Department (No. 190), "The Drainage of Irrigated Land." Drainage supplemented by proper method of cultivation, cropping, and irrigation, will restore these waterlogged areas to a condition in which they can be farmed with profit, the bulletin points out. Proper drainage will accomplish four objects: (1) the lowering of the ground-water table to a depth where the moisture and air within the root zone will be properly balanced; (2) the creation of an outlet for percolating water, so that the ground-water table will not fluctuate excessively; (3) the rapid removal of excess moisture following spring thaws; and (4) the creation of an outlet for the downward moving water used to dissolve out the injurious salts.

Incrustations of alkali salts and the presence of highly alkali-resistant plants are frequently indications of overirrigation. In some cases, ponds, bogs, and marshes are also found, but in others there are no visible signs of excessive wetness and its existence can only be inferred from its effects upon vegetation. The bulletin calls special attention to the difference in drainage practice between the arid and the humid regions, and emphasizes the need for thorough knowledge of underground conditions.

To drain areas of this character will cost, it is estimated, on the average farm from \$10 to \$20 an acre except under unusual conditions when the cost may run as high as \$50 an acre. Both open canals and covered conduits are in general use. The open canals, however, are intended primarily for the main outlet systems in which provision must be made for a considerable flow of water. The covered drains are for farm drainage proper, although, except for the additional expense, they could be used equally well for the main outlets. As a matter of fact, although they cost more than the

open canals, the maintenance charges are usually lower, much valuable space is saved, and cultivation and irrigation are much easier with them than with open canals. Where covered conduits are employed they are usually made either of cement or clay tile. In some localities lumber box drains are used, but this is usually advantageous only in isolated places where lumber is cheap and transportation rates high. The life of such a drain is reasonably long if the lumber is continuously wet, but if alternate wetting and drying takes place, the material may last only a few years.

In properly drained land bacterial activity is increased and more plant food provided by the admission of air into the soil to take the place of the excess water which has been removed. The downward movement of water through the soil also leaches out the excess of harmful salts, and this is one of the most important functions of drainage in the irrigated sections. The water removed by the drainage system may be employed for the irrigation of other areas, thereby increasing the available irrigated area. Furthermore, drained land may be plowed earlier than undrained, and in consequence may be irrigated earlier. This is an obvious advantage in that it makes it possible for the land to be irrigated before the supply of water becomes reduced. Various forms of drainage systems and the best methods of constructing them are discussed in the bulletin.

GOVERNMENT'S NEW PHILIPPINE FARM JOURNAL.

The Bureau of Agriculture reports that there is a big demand for its new publication, "The Philippine Farmer," which is being sent free to members of the government agricultural associations.

EVENING CLASSES.

Washington Evening School, SW Cor. Washington and Mason streets. Pupils working are enrolled from the Grammar and Primary Schools from 7:15 to 9:15 P. M. Special Classes for adults (German, French, Spanish, Italian, Greek). Preparation for Civil Service Examinations. Phone Mission 3132.

THE MANUFACTURE OF PLATE GLASS.

The casting table of a plate glass factory is about twenty feet long, fifteen feet wide and six inches thick. Strips of iron on each side afford a bearing for the rollers and determine the thickness of the plate to be cast. The molten glass is poured on the table, and the roller, passing from end to end, spreads the glass to a uniform thickness. The glass after cooling rapidly is transferred to the annealing oven, where it remains several days. When taken out it is very rough and uneven and in that state is used for skylights and other purposes where strength is desired rather than transparency. The greater part of the glass, however, is ground, smoothed and polished.

ADVANCE NEWS

Classified according to Character of Work

APARTMENT HOUSES

SAN FRANCISCO—Apartment house, 3 story and base, frame, \$12,000. Architect, Charles J. Rousseau, 46 Kearny street, S. F. Owner, Mr. Hawthorne. The building will be erected on California street near Hyde, and has been designed to contain a number of four-room apartments with private baths and wall beds. Interior will be finished in pine, hardwood veneer and white enamel. Hardwood floors will be used in the living rooms, dining rooms and reception halls. Each apartment is provided with a private entrance and sun porch. There will be steam heat, hot water supply and vacuum cleaning system. Bath rooms will be finished in tile. Entrance lobby is designed in the Empire style, with marble and tile wainscot in the vestibules. Exterior of the building will be covered with cement plaster on metal lath. Plans are now being prepared and figures will be called for about the end of this week.

SAN FRANCISCO—Apartment house, 5 story and base, brick and steel. Cost not stated. Architect's name not given. Owners, Metropolis Investment Co., 333 Kearny street, S. F. The building will be erected on Ellis street near Leavenworth, and has been designed to contain a number of two, three and four room apartments with wall beds and private bath rooms. There will be steam heat, elevator service, vacuum cleaning and a hot water supply. Interior will be finished in pine and hardwood. Hardwood floors will be used in the living and dining rooms. Bath rooms will have tile wainscot and composition floors. Exterior of the building will be faced with pressed brick trimmed with terra cotta. Plans are in the hands of the owners who will do the work by Day Labor.

OAKLAND, CAL.—Apartment house, 2 story and base, frame, \$8,000. Architects, Oliver & Thomas, Pantages Theatre Bldg., Oakland. Owner's name withheld. The building will be erected at the corner of 55th and Dover streets and has been designed to contain four apartments of three rooms each. Interiors will be finished in pine and hardwood veneer. Hardwood floors will be used in the living and dining rooms. There will be wall beds and private baths. Plans provide for a central heating system. Bath rooms will be finished in tile. Exterior of the house will be covered with cement plaster on metal lath. Plans are complete and figures will be called for at once.

Contracts Awarded.

ASTORIA, ORE.—Apartment house, 3 story and base, brick, \$25,000. Architects, McNaughton & Raymond, Title and Trust Bldg., Portland. Owners, F. L. Dunbar and T. R. Davis. Contractors, Bingham & Shelly, Platt Bldg., Portland. Contract price, \$25,000.

BONDS.

KINGSBURG, FRESNO CO., CAL.—The school bonds of Kingsburg Joint Union High School District have been sold by the Board of Supervisors at a premium of \$2,365 to the Frank L. Miller Company of Los Angeles. The bonds were for \$40,000. The proceeds of the sale will be used in school improvements.

The Orange Cove District bonds of \$9,000 were sold to the W. R. Staats Company at a premium of \$460.

TULARE, TULARE CO., CAL.—State Highway Commissioner Darlington and Division Engineer Woodson were in this city and in conversation with members of the local highway committee, the commissioner stated that work on the State Highway in this county would be started at once by the Commission if definite assurance could be given by the Board of Supervisors that the \$23,000 shrinkage in Tulare County's portion of the bonds would be raised. If the plan upon which the Supervisors and the District Attorney, together with representatives of the bond buyers, are working is satisfactory to all parties concerned, the shrinkage money will be assured. By the plans the bond buyers will act as agents for the county when the next allotment of bonds is offered for sale, but the bonds will be held until July before the deal is closed with the county, thereby giving the Supervisors time to raise the shrinkage money from tax income.

PETALUMA, SONOMA CO., CAL.—At a recent meeting of the City Council bids were opened for the purchase of bonds for street improvements. Bids were received from the Petaluma National Bank, Swiss-American Bank and Sonoma County National Bank for the Washington street \$20,000 20-year 5 per cent bonds.

A resolution that the bids of the Petaluma National Bank, Swiss-American Bank and Sonoma County National Bank being the highest bid offered, said bids being for par value of the bonds with the understanding that the bonds be redeemed at such times and in such amounts as the council may determine was accepted.

VACAVILLE, SOLANO CO., CAL.—The first step has been taken towards getting the bond question again before the people. The money would be used for street improvements. Town Engineer Stelger has made his report to the Town Trustees and his estimates are the same as before. They call for \$12,000 for Main street and the State Highway and \$18,000 for the other streets. Also a third proposition was added, calling for \$6,000 for fire apparatus.

ALAMO, CONTRA COSTA CO., CAL.—A petition has been circulated asking the Supervisors to call a bond election for the raising of funds to construct a boulevard district between Bryant and the Alameda County line.

The road will cost about \$6,000 a mile, 50 cents on a hundred dollars being the tax rate the first year.

SAN FRANCISCO, CAL.—San Joaquin Light and Power Corporation has been authorized by the State Railroad Commission to issue \$3,000,000 of securities for the purpose of completing its hydro-electric project and for extending its lines over a wide section of the San Joaquin Valley.

The Standard Oil Company was authorized to issue \$4,768,000 of stock to increase its plant at Richmond and for general improvement over its system.

The Valley Pipe Line Company was authorized to issue \$5,318,000 of stock for the purpose of building a new pipe line from Coalinga to Martinez, a distance of 175 miles.

WOODLAND,, YOLO CO., CAL.—Through its Board of Supervisors, Yolo County has decided to withdraw financial support from the State Highway construction contemplated for this section. The decision means the county will not fulfill its pledge to buy \$300,000 worth of bonds. The action was taken because of the failure of the California State Highway Commission to fulfill its promise to the effect that it would recommend a special State burden on the cost of the construction of the Yolo basin by-pass amounting to nearly \$450,000.

CORNING, TEHAMA CO., CAL.—At a recent meeting of the City Trustees the \$30,000 bond issue, recently voted, was sold. The bonds were voted for the extension of the sewer and water system of this town.

SAN FRANCISCO, CAL.—The Marin Water and Power Company was authorized by the State Railroad Commission to issue \$77,000 of bonds at not less than 95. The proceeds are to be used in part to pay for additions and betterments during the last five years amounting to \$32,253. Notes to the amount of \$40,500 will be refunded.

PALO ALTO, SANTA CLARA CO., CAL.—The City Council has received from the Board of Public Works a resolution recommending the paving of eleven Palo Alto streets this year. Specifications for the work were adopted and the city engineer has been furnished with plans and estimates for the work proposed.

The city of Palo Alto recently voted to bond itself for \$40,000 for sewers and water mains on these streets. More than half of the streets of Palo Alto are already paved, and the new paving will leave only about a third of the thoroughfares unpaved.

EL PASO, TEXAS.—The city officials have called a special election to vote on May 11th for the purpose of providing the issuing of \$500,000 in bonds for the purchase of school sites and construction of new school buildings.

CLIFTON, ARIZ.—An election will be held this month to decide the question of issuing and selling bonds of \$40,000, to provide for the erection of a school building.

PORTLAND, ORE. — Twohy Bros., Railway Exchange Building, have arranged to finance and perform the work necessary to complete the proposed railroad to extend from Grants Pass, Ore., to Crescent City, Cal. Of this distance ten miles extending from Grants Pass to Wilderville have already been built with funds procured through the bond issue of \$200,000 recently voted at Grants Pass.

The line as projected runs in a generally southwesterly direction through Josephine County 45 miles to the State line and then in the same direction through Del Norte County, California, 26 miles to a connection with the Crescent City & Smith River Railway, which is under option to the promoters for \$200,000. This line is 10 miles long, making the total length of the line 91 miles.

Rights of way have been secured for about 50 miles of the line.

No terminals have been procured at Crescent City, except those owned by the Crescent City & Smith River Railway. Additional water frontage will be required on which a wharf can be constructed.

The constructed line from Grants Pass to Wilderville on the Applegate River is over a gently rolling country in the Rogue River Valley. The work is light with the exception of two miles on the summit, which is on the ridge between the Rogue River and Applegate drainage.

RIVERDALE, FRESNO CO., CAL.—Bonds in the sum of \$25,000 for the erection of a new high school building have been voted.

SAN BERNARDINO, SAN BERNARDINO CO., CAL.—The Board of Education has granted a petition to call a special election to vote bonds for the purpose of erecting a gymnasium at the new high school. The amount of the bonds will be at least \$25,000.

MIAMI, ARIZ.—Bonds in the sum of \$75,000 for the erection of a new school building were voted at the special election recently held here.

CULVER CITY, CAL.—A special election has been called by the Board of Supervisors for April 20 to vote on the proposition of forming a lighting district and installing a system of street lighting.

EL CENTRO, IMPERIAL CO., CAL.—Engineers Olmsted & Gillelen, Hollingsworth Building, Los Angeles, have been commissioned to prepare plans and specifications for the joint outfall sewer system to be constructed by the cities of El Centro and Imperial to New River. Special elections will be held in the two cities on May 10 to vote bonds to cover the cost of construction.

WESTMINSTER, ORANGE CO., CAL.—The special election held on April 5 to vote on the question of the formation of the Westminster drainage district was carried. The district will embrace about 5,000 acres of land.

OCEANSIDE, SAN DIEGO CO., CAL.—The Oceanside City Trustees are considering the matter of calling an election to vote on a proposal to issue \$30,000 in bonds for municipal improvements.

Miscellaneous Bond News.

An offer of the Anglo-London and Paris National Bank of San Francisco to purchase the remainder of the \$1,750,000 bond issue of San Bernardino

County highway bonds at a premium of \$37,500 was declined by the Board of Supervisors as it was also decided not to issue the remainder of the bonds unless San Bernardino would keep the money at 4 per cent interest. The San Francisco bank had already purchased \$500,000 of the county highway bonds.

A booster club made up of enthusiastic citizens of Lower Lake in Lake County is urging a bond issue of the supervisorial district in which their town is located of \$20,000 for highway purposes.

Supervisors of Kern County will receive bids up to 2 o'clock p. m. May 6, for the purchase of all or any part of a \$500,000 highway bond issue of a total of \$2,500,000 State Highway bonds of the county. The bonds are dated September 1st, 1913, bear 5 per cent interest and are payable semi-annually, in denominations of \$1000 each, and are payable 25 each year beginning September, 1919.

BRIDGES AND DAMS

SAN FRANCISCO.—Bridge repairs, steel construction, \$6,870. Engineer, City Engineer, Temporary City Hall, S. F. Owners, City and County of San Francisco. Monson Bros. submitted the lowest figure at \$6,870 for repairs to the Third and Channel street bridge. They will probably be awarded the contract. A complete list of the bids opened appears under the heading of San Francisco in this issue.

REDWOOD CITY, SAN MATEO CO., CAL.—Bridges, 2 steel and concrete. Cost not stated. Engineer, County Surveyor, Redwood City. Owners, San Mateo County. At the last meeting of the County Board of Supervisors the County Engineer was instructed to prepare plans and specifications for the construction of a steel cable bridge across the creek at Pescadero. The Engineer was also instructed to prepare plans for the construction of a new bridge over Tunitas Creek. Bids will be called for on both of these structures on the completion of plans.

WATSONVILLE, SANTA CRUZ CO., CAL.—Bridge, reinforced concrete and steel. Cost not stated. Engineer, none. Owners, City of Watsonville and Monterey County. After a lengthy conference by Watsonville city officials and the Monterey County Board of Supervisors, it was decided to reopen the bridge matter and call for entirely new plans of uniform design. Plans submitted to the boards were prepared by Leonard & Day of San Francisco. The new plans will call for a bridge having seven 60-foot spans instead of five spans of 84 feet. Plans for the bridge will be received up to and including Monday, April 19th. As soon as plans are agreed upon bids for construction will be called for.

MODESTO, STANISLAUS CO., CAL.—Bridges, 5, reinforced concrete. Cost not stated. Engineer, County Surveyor F. H. Annear, Modesto. Owners, Stanislaus County. Under the supervision of County Engineer F. H. Annear five concrete bridges will be built across irrigation ditches west of Modesto under the Day Labor system. These are the bridges let by contract some time ago to H. W. Sears on a

bid of \$2,374, a figure which Sears afterward discovered was far under cost and which he refused to carry out. The work will be started at once.

AUBURN, PLACER CO., CAL.—Bridge, concrete and steel. Cost not stated. Engineer, County Surveyor, Auburn. Owners, Placer County. The Board of Supervisors has adopted plans and specifications for the construction of a bridge over the Bear River, and will call for bids on the structure immediately.

PORTLAND, ORE.—Bridge embankment. Cost not stated. Engineers Waddell & Harrington, Kansas City. Owners, Multnomah County. Plans for the construction of an embankment and incidental structures in connection with the Columbia River Interstate bridge and approaches have been completed and figures are now being called. About 560,000 cubic yards of earth and concrete work are included in the embankment. Bids will be opened on April 26th. Plans can be secured from the State Commissioner of Highways, Salem.

FAIRFIELD, SOLANO CO., CAL.—Pile work for bridge, \$3,000. Engineer, County Surveyors of Solano and Sacramento Counties. Owners, Solano and Sacramento Counties. The first steps towards the construction of the Rio Vista bridge across the Sacramento River at Rio Vista has been taken by the County Supervisors, when bids for the piling work across Wood Island were advertised for. The work of driving piles will cost about \$3,000.

Contracts Awarded.

COLUSA, COLUSA CO., CAL.—Bridges, concrete and timber. Costs as follow. Engineer, County Surveyor, Colusa. Owners, Colusa County. Contractors, Duncanson-Harrelson Co., Chronicle Bldg., S. F., 27 bridges. Contract price, \$62,580. Charles Cotton Co., Colusa, Maxwell bridge. Contract price, \$7,840.

FAIRFIELD, SOLANO CO., CAL.—Bridges, 4, reinforced concrete, \$6,143. Engineer, County Surveyor, Fairfield. Owners, Solano County. Contractors, Duncanson-Harrelson Co., Chronicle Bldg., S. F. Contract price, \$6,143.

SAN RAFAEL, MARIN CO., CAL.—Bridges, 2, timber \$1,390. Engineer, County Surveyor, San Rafael. Owners, Marin County. Contractor, S. P. Brownlee, Kentfield. Contract price, \$1,390.

REDWOOD CITY, SAN MATEO CO., CAL.—Bridge, reinforced concrete, \$2,994. Engineer, County Surveyor, Redwood City. Owners, San Mateo County. Contractors, Duncanson-Harrelson Co., Chronicle Bldg., S. F. Contract price, \$2,994.

CHURCHES.

BERKELEY, ALAMEDA CO., CAL.—Church, 2 story and base, frame, \$7,000. Architect, Eugene K. Martin, 2193 Shattuck avenue, Berkeley. Owners, Phillips M. E. Church. The building will be erected on California street and has been designed for a small chapel, which will include the main assembly hall and Sunday school. Interior finish will be of pine throughout. Some ornamental plaster will be specified. Art glass windows will be installed. Exterior of the building will be covered with cement plaster. Plans are now being prepared.

OAKLAND, CAL.—Church, 1 story and base, frame, \$6,500. Architect, William A. Newsom, Hewes Bldg., S. F. Owners, Seventh Church of Christ, Scientist. The building will be erected on the west side of Harrison Boulevard, north of 24th street, and has been designed in the Classic style. There will be one large main auditorium and Sunday school rooms. Interior will be finished in pine throughout. There will be a central heating system. Art glass windows will be used. The exterior of the building will be covered with cement plaster on metal lath. Plans are nearly complete and figures will be called for shortly.

HOLLYWOOD, LOS ANGELES CO., CAL.—Church, 2 story and base, frame. Cost not stated. Architect, E. Burt Johnson, Black Bldg., L. A. Owners, Mt. Hollywood Congregational Church. The building will contain an auditorium seating 300 people, Sunday school rooms, social rooms and pastor's study. Interior will be finished in pine. Art glass windows are specified. Exterior of the building will be covered with cement plaster on metal lath. Plans are being prepared.

Contracts Awarded.

OAKLAND, CAL.—Church, 2 story and base, brick and steel, \$63,000. Architect, William A. Newsom, David Hewes Bldg., S. F. Owners, Second Church of Christ, Scientist. Contractors, Van Sant-Houghton Co., Hooker-Lent Bldg., S. F., general construction. Contract price, \$63,000. Heating and ventilating, J. C. Hurly, S. F. Contract price not stated.

COURT HOUSES.

SAN FRANCISCO—City Hall glass and glazing. Cost not stated. Architects, Bakewell & Brown, 251 Kearny street, S. F. Owners, City and County of San Francisco. Plans have been completed for the glass and glazing for the new City Hall, and have been approved by the advisory architect. Plans are now in the hands of the Board of Public Works who are calling for bids. Figures will be opened on April 21st.

WALLA WALLA, WASH.—Court house, 3 story and base, reinforced concrete, \$150,000. Architects, Osterman & Siebert, Walla Walla. Owners, Walla Walla County. The building has been designed in the classic style and will cover an area of 81 by 139 feet. The ground floor will contain waiting rooms, jail and four offices. The second floor will be arranged for the offices of the various county officials, each with a fireproof vault. The county court rooms and surveyor's office will occupy the entire third floor. Construction will be fireproof. There will be steam heat, vacuum cleaning and master clocks. Exterior of the building will be faced with pressed brick, terra cotta and sandstone. Plans are complete and figures are being taken. Bids will be opened on May 5th.

FACTORIES AND WAREHOUSES.

MARICOPA, KERN CO., CAL.—Boiler house and machine shop, 1 story, reinforced concrete and corrugated iron. Cost not stated. Engi-

neer's name not given. Owners, Lakeview Oil Co. No. 2. Contracts are being let by the Lakeview Oil Co. No. 2 of Maricopa, for materials for use in the erection of a modern boiler house. The building has been designed to accommodate five 70-horsepower boilers of modern type as well as other equipment. In addition to the above building a modern machine shop and engine house are being erected, both of which will have special tools and machinery.

BAKERSFIELD, KERN CO., CAL.—Glass factory, 3, 1 story and base, frame, \$45,000. Architect's name not given. Owner, W. G. Hudlow, Bakersfield. A. J. Hurrie, who is in charge of the T. A. Wells Tract at Bakersfield, states that plans for three large one-story frame factory buildings have been completed and are now in the hands of W. G. Hudlow of Bakersfield. These buildings will include the main glass factory, 144 by 120 feet, warehouse, 40 by 90, a box shop, office building and blacksmith shop. Mr. Hudlow states that construction will be started by May 15th. Construction, together with the furnace equipment and other mechanical work, is estimated at \$45,000.

Contracts Awarded.

SAN FRANCISCO—Brewery plant, 5 to 7 story and base, reinforced concrete, \$538,913. Architect, Carl Siebrand, Arcade Bldg., Seattle. Owners, Rainier Brewing and Maltng Co. Contractors, Sound Construction and Engineering Co., Hearst Bldg., S. F. Contract price, \$538,913.

FIRE HOUSES AND JAILS.

SAN FRANCISCO—Fire house completion, 2 story and base. Class C construction. Cost not stated. Architects, Ward & Blohme, Alaska Commercial Bldg., S. F. Owners, City and County of San Francisco. Bids for the finishing construction on Engine House No. 12 have been opened by the Board of Works. C. L. Wold presented the low bid at \$4,348 and the Roberts' Mfg. Co. were low for furnishing the lighting fixtures. Both contracts will probably be awarded at the next meeting. A complete list of the bids will be found under the heading of San Francisco in this issue.

FLATS

SAN FRANCISCO—Flats, 2 story and base, frame, \$5,000. Architects, O'Brien Bros., 240 Montgomery street, S. F. Owner, Mrs. Ackerman. The building will be erected on Diamond street, north of 19th street, having an area of 25 by 125 feet. There will be two flats of six and seven rooms. A garage will occupy the basement. Interior finish will be of pine and redwood. Hardwood floors will be used in the living room, dining room and reception hall. There will be open fire places in each of the living rooms. Mantels will be of tile or brick. Imitation tile wainscot will be used in the bath rooms and kitchens. Automatic water heaters are specified. Exterior of the building will be covered with rustic and cement plaster on metal lath. Plans are now being prepared.

SAN FRANCISCO—Flats, 2 story and base, frame, \$25,000. Architect, none. Owner, Henry Jacks, 5126 Cal-

ifornia street, S. F. The building will be erected on the south side of Clement street, west of 17th avenue, and has been designed for a small store on the first floor and two flats above. The building will cover an area of 25 by 60 feet. Interior finish will be of pine and redwood. Hardwood floors will be used in the living rooms. Imitation tile is specified for bath rooms and kitchens. There will be open fire places and tile or brick mantels. Exterior of the building will be covered with rustic and cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor. Materials are now being purchased.

SAN FRANCISCO—Flats, 2, 2 story and base, frame, \$5,000 each. Architect, none. Owner, P. D. Taylor, 1921 Oak street, S. F. These buildings will be erected on 17th avenue north of California street, and will contain two modern flats each. Interior finish will be of pine with some hardwood floors. Open fire places will be used in the living rooms. Mantels will be of tile and brick. Exterior of the buildings will be covered with rustic and cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor.

SAN FRANCISCO—Flats, 2, 3 story and base, frame, \$7,000 each. Architect, Bernard J. Joseph, New Call Bldg., S. F. Owner, B. Schapiro. These buildings will be erected on the east side of Harriett street south of Howard and each will contain six small flats. Interiors will be finished in pine and redwood. Some hardwood floors will be used. There will be open fire places and tile mantels. Imitation tile wainscot will be used in the bath rooms. Exterior of the buildings will be covered with rustic and cement plaster on metal lath. Plans are complete and figures are now being taken.

SAN FRANCISCO—Flats, 2, 3 story and base, frame, \$9,000 each. Architect, none. Owner, Thomas F. Barry, 3641 20th street, S. F. These buildings will be erected on Green street west of Leavenworth, and each has been designed to contain six flats. Interiors will be finished in pine with some hardwood floors. There will be furnace heat and open fire places. Mantels will be of tile. Exteriors will be covered with cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor.

GARAGES.

SAN FRANCISCO—Garage alterations, 1 story, brick and steel, \$10,000. Architect, none. Owner, P. A. MacDonald, 244 Kearny street, S. F. The building now located on the east side of Valencia street near Clarion, and covering an area of approximately 100 feet square, will be altered into a garage. The work will include structural steel, cement floor and some brick work, carpentry, electric work, plumbing and special gasoline storage tanks. The exterior of the building will be covered with pressed brick. Plans are complete and in the hands of the owner who will do the work by Day Labor.

SAN FRANCISCO—Garage, 3 story and base, Class A construction. Cost

not stated. Architect, J. F. Dunn, Monadnock Bldg., S. F. Owner, Louis Gassner. The building will be erected on the east side of Stockton street, 70 feet north of Sutter street, having a frontage of 64 feet and a depth of 137½ feet. Plans have been prepared with walls and foundation of sufficient strength to carry four additional stories. In the event of the seven-story building being erected, the upper floors will be arranged for a hotel and apartments. Probably only three stories will be erected at the present time. Interior finish will be of pine and redwood. There will be steam heat and elevator service. Metal window sash and frames will be used. Exterior of the building will be faced with pressed brick, trimmed with terra cotta. Plans are now being prepared and further mention will be made of the work.

PORTLAND, ORE.—Garage and display rooms, 4 story and base, brick, \$40,000. Architects, Jacobberger & Smith, Board of Trade Bldg., Portland. Owner, Gay Lombard. The building will be erected at the southwest corner of Davis and Broadway, covering an area of 90 by 100 feet. The front portion of the main floor will be occupied by the offices and display rooms. Balance of the building will be arranged for storage space, repair shop and shipping room. Interior of the office and display rooms will be finished in hardwoods and tile. There will be elevator service and steam heat. Exterior of the building will be faced with pressed brick. Plans are complete and figures are being taken.

GOVERNMENT WORK & SUPPLIES

Alaskan Engineering Commission Purchasing Office.

The Purchasing Office of the Alaskan Engineering Commission, which will control all business appertaining to the government railroad project in Alaska, will be located in the Alaska Building, Seattle, Wash. The Secretary of the Interior has selected Mr. C. E. Dole, who has been connected with the purchasing office of the Panama Canal as chief clerk since June 9, 1906, to be the purchasing officer of the new commission.

The selection of a western city for this important office has caused eastern publications to protest to the authorities in Washington, D. C. The following taken from the Government Advertiser, published in Washington, D. C., shows the pressure that will be brought to bear to have this office removed to the Federal Capital:

"The purchasing office of the Alaskan Engineering Commission will be located in Seattle and all transactions having to do with the solicitation of proposals, the opening of bids, the award of contract, the preparation of specifications, and the negotiations with contractors generally will be conducted from the west-coast city.

"The carrying out of this plan will prove a mistake and will involve the government in increased expense and multiply the annoyance to which bidders and contractors are subjected. There will necessarily be delays in communication, as must inevitably occur where the purchasing official is located in Seattle, the higher authority in Washington, and most of the firms

which will directly or indirectly do business in connection with the railway project are in the east or middle west.

"It is as awkward an arrangement as might be imagined under any circumstances; it is as if the purchasing officer of the Panama Canal had conducted the affairs of his office from the Canal Zone instead of from Washington. The experience gained as a result of the work of constructing the isthmian waterway should count for something in determining the location of the purchasing officer of the Alaskan Railway."

Phoenix, Ariz., Sewer System.

The following bids were received by the commissioner of Indian Affairs, Department of the Interior, Washington, D. C., for constructing a sewer system at the Phoenix Indian School and Sanatorium, Phoenix, Ariz.:

Item 1, for using 6-in sewer pipe, per lin ft: 2, 8-in pipe; 3, 10-in pipe; 4, 12-in pipe; 5, 14-in pipe; 6, 2-in cast iron ventilating pipe; 7, price for each running trap; 8, price for each brick manhole; 9, do, finishing brick manhole; 10, concrete tanks, etc.; 11, 8-in standard pipe.

Thomas M. Torson, Kansas City, Kans., item 1, 48c; 2, 57c; 3, 63c; 4, 72c; 5, 88c; 6, 50c; 7, \$2; 8, \$27; 9, \$33; 10, \$80; 11, \$2; time 90 days.

Claude Fisher & Co., Phoenix, Ariz., item 1, 32c; 2, 50c; 3, 60c; 4, 80c; 5, \$1; 6, 30c; 7, \$5.50; 8, \$60; 9, \$78; 10, \$100; 11, \$189, total: time 150 days.

Mesmer & Rice, Los Angeles, Cal., item 1, 49c; 2, 62c; 3, 90c; 4, 93c; 5, \$1.21; 6, 23c; 7, \$3.90; 8, \$88; 9, \$103; 10, \$161; 11, \$7; time not stated.

S. H. Ehlers & J. W. Braun, Los Angeles, Cal., item 1, 65c; 2, 77c; 3, 90c; 4, \$1.01; 5, \$1.20; 6, 21c; 7, \$5; 8, \$55; 9, \$75; 10, \$120; 11, \$5; 270 days.

W. D. Lovell, Minneapolis, Minn., item 1, 45c; 2, 60c; 3, 80c; 4, 90c; 5, \$1.20; 6, 45c; 7, \$2; 8, \$65; 9, \$125; 10, \$135; 11, \$3.25; 180 days.

Doyle Bros., Temple, Ariz., item 1, 57c; 2, 59c; 3, 72c; 4, 74c; 5, 93c; 6, 35c; 7, \$5; 8, \$55; 9, \$70; 10, \$150; 11, \$2.50; 140 days.

John S. Ukropina & B. Z. Wucetich, Los Angeles, Cal., item 1, 49c; 2, 57c; 3, 60c; 4, 70c; 5, 83c; 6, 50c; 7, \$1.50; 8, 54c; 9, 65c; 10, 70c; 11, \$2; 90 days from September 15, 1915.

James Collier, Denver, Colo., item 1, 35c; 2, 47c; 3, 68c; 4, 76c; 5, \$1.10; 6, 20c; 7, \$2; 8, \$40; 9, \$50; 10, \$100; 11, \$2; time 125 days.

Tender Sequoia, Repairs.

The following bids were received by the light-house inspector, 18th district, San Francisco, Cal., for docking and repairing light-house tender Sequoia:

Moore & Scott Iron Works, San Francisco, Cal., \$1,274.

Main Street Iron Works, San Francisco, Cal., \$1,561.50.

United Engineering Works, San Francisco, Cal., \$1,251.50; accepted.

Mare Island Navy Yard, \$1,250; if Norfolk paint is used, \$1,210.

Medford, Ore., Plaster Models.

The following bids were received by the supervising architect, Treasury Department, Washington, D. C., for furnishing plaster models for the U. S. post office at Medford, Ore.:

Lombard & Ludwig, Washington, D. C., \$440.

C. W. Buhler, Washington, D. C., \$474.

Emil Jung, Washington, D. C., \$485.
E. C. Bairstow, Washington, D. C., \$535.

Reclamation Service, Laterals.

Under authority of the Secretary of the Interior contract has been awarded for the construction of main canal stations 1933 and 2457 and laterals of the first lateral district, Grand Valley project, Colo. The work is situated in the vicinity of Grand Junction and Fruits, Colo., and involves about 640,000 cubic yards of canal excavation. The successful bidder on schedules 2, 3, 5, 6, and 7, at a total price of \$59,921, in the firm of Mandenhall, Straw & Bird Co., of Springville, Utah, and for schedules 1 and 4, at a total of \$38,675, the Reynolds-Ely Construction Co., also of Springville, Utah.

Pendleton, Ore., Plaster Models.

The following bids were received by the supervising architect, Treasury Department, Washington, D. C., for furnishing plaster models for the U. S. post office at Pendleton, Ore.:

Lombard & Ludwig, Washington, D. C., \$1,650.

Emil Jung, Washington, D. C., \$1,700.

J. Brys & F. Bruyninck Co., Washington, D. C., \$2,005.

Livingston, Mont., Weather Strips.

The following bids were received by the custodian, U. S. post office, Livingston, Mont., recently for furnishing weather strips for the U. S. post office at Livingston, Mont.:

Mahan & Grant, Helena, Mont., \$297.80; 3 weeks.

Willer Mfg. Co., Milwaukee, Wis., \$225; 30 days.

The Higgin Mfg. Co., Seattle, Wash., \$365; 30 days.

Pasadena, Cal., Furniture.

The following bids were received by the supervising architect, Treasury Department, Washington, D. C., for installing furniture in the U. S. post office at Pasadena, Cal.:

Jacob Beitzel & Sons, York, Pa., \$3,845.

Furnas Office & Bank Furniture Co., Indianapolis, Ind., \$4,483.

Louck & Hill Co., Richmond, Ind., \$4,091.85.

Federal Equipment Co., Carlisle, Pa., \$4,006.

John E. Sjostrom Co., Philadelphia, Pa., \$3,697.05.

The Nelson Co., Brooklyn, N. Y., \$3,974.

Cavite Radio Tower Foundations.

All bids received for constructing concrete pile foundations for radio towers at Cavite have been rejected. The work will be done by day labor.

Pendleton, Ore., Construction.

The following bids were received by the supervising architect, Treasury Department, Washington, D. C., for the construction, complete, of the U. S. post office at Pendleton, Ore.:

Bid 1, James S. Winters, Portland, Ore.

2, Olson & Johnson Co., Missoula, Mont.

3. Welch Bros. & Hannaman, Grass Valley, Cal.
4. Sound Construction & Engineering Co., Seattle, Wash.
5. John Almeter, Portland, Ore.
6. Erickson & Larson, Seattle, Wash.
7. Dieter & Wenzel Construction Co., Wichita, Kans.
8. Palmberg & Mattson, Astoria, Ore.
9. J. B. Sweatt, Spokane, Wash.
10. King Lumber Co., Charlottesville, Va.
11. George A. Whitmeyer & Sons, Ogden, Utah.
12. Alloway & Georg, Spokane, Wash.
13. Eugene Schuler, Pasadena, Cal.
14. Booker, Kiehl & Whipple, Seattle, Wash.

(1) Using limestone for all stone-work, except where granite is required—Bid 1, \$84,487; 2, \$87,445; 3, \$92,219; 4, \$92,362; 5, \$92,548; 6, \$95,226; 7, \$97,983; 8, \$99,870; 9, \$106,337; 10, \$104,000; 11, \$105,624; 12, \$108,369; 13, \$120,000; 14, \$121,422.

(2) Using sandstone for all stone-work, except where granite is required—Bid 1, \$84,387; 2, \$87,620; 3, \$92,219; 4, \$92,368; 5, \$92,500; 6, \$95,042; 8, \$99,870; 9, \$106,300; 10, \$104,000; 12, \$108,269; 13, \$120,000; 14, \$121,422.

For alternate No. 1 (using limestone or sandstone in lieu of brick facing below first floor level, in lieu of ornamental terra cotta, and in lieu of wood for the cornice, frieze, balustrade, etc., as specified), add for using limestone—Bid 1, \$8,000; 2, \$6,700; 3, \$6,545; 4, \$6,067; 5, \$5,618; 6, \$7,022; 7, \$6,900; 8, \$8,500; 9, \$9,067; 10, \$10,000; 11, \$8,112; 12, \$6,596; 13, \$22,750; 14, \$7,259.

Add for using sandstone—Bid 1, \$7,800; 2, \$8,950; 3, \$6,545; 4, \$10,267; 5, \$5,800; 6, \$11,650; 8, \$8,500; 9, \$9,000; 10, \$10,000; 12, \$5,911; 13, \$24,000; 14, \$7,259.

For alternate No. 2 (painting, sheeting, etc., of remaining plaster surfaces throughout the building, as specified), add—Bid 1, \$500; 2, \$1,250; 3, \$1,080; 4, \$2,900; 5, \$3,000; 6, \$600; 7, \$2,000; 8, \$800; 9, \$1,900; 10, \$2,500; 11, \$1,254; 12, \$1,760; 13, \$2,750; 14, \$2,160.

For alternate No. 3 (constructing the driveway of concrete in lieu of macadam, as specified), add—Bid 1, \$150; 2, \$350; 3, \$257; 4, \$386; 5, \$350; 6, \$540; 7, \$336; 8, \$400; 9, \$300; 10, \$800; 11, \$299; 12, \$200; 13, \$640; 14, \$50.

For alternate No. 4 (using marble for the wainscot in the public lobby in lieu of wood, and for the wainscot in toilet rooms in lieu of cement, and using terrazzo with marble floor borders in lieu of cement finish for the floors of the public lobby and toilet rooms, as specified) add—Bid 1, \$3,000; 2, \$4,450; 3, \$2,631; 4, \$4,003; 5, \$2,500; 6, \$4,575; 7, \$2,700; 8, \$3,000; 9, \$5,068; 10, \$1,800; 11, \$3,842; 12, \$3,748; 13, \$3,500; 14, \$4,228.

For alternate No. 5 (constructing elevator inclosure of cast iron and wired glass, etc., and lobby stairs with marble base, in accordance with the alternate design, as specified), add—Bid 1, \$1,900; 2, \$1,700; 3, \$1,682; 4, \$2,910; 5, \$3,000; 6, \$1,200; 7, \$1,550; 8, \$2,500; 9, \$2,159; 10, \$1,200; 11, \$1,861; 12, \$1,634; 13, \$1,750; 14, \$5,630.

For alternate No. 6 (finishing the court room according to the alternate design, with furred ornamental ceiling, paneled walls, etc., as specified),

add—Bid 1, \$1,800; 2, \$2,975; 3, \$1,033; 4, \$2,242; 5, \$2,150; 6, \$2,300; 7, \$2,900; 8, \$1,600; 9, \$2,542; 10, \$2,000; 11, \$1,915; 12, \$1,747; 13, \$2,370; 14, \$3,242.

Amount included under this alternate for additional lighting fixtures—Bid 1, \$150; 2, \$150; 3, \$150; 4, \$150; 5, \$1,350; 6, \$160; 7, \$200; 9, \$150; 10, \$500; 12, \$50; 13, \$300; 14, \$69.

For alternate No. 7 (erecting and maintaining a temporary office building for the use of the superintendent of construction, as specified), add—Bid 1, \$300; 2, \$350; 3, \$442; 4, \$500; 5, \$150; 6, \$500; 7, \$570; 8, \$750; 9, \$950; 10, \$500; 11, \$1,126; 12, \$1,200; 13, \$635; 14, \$162.

Amount included in the proposal for furnishing and installing of all interior lighting fixtures—Bid 2, \$1,150; 3, \$1,500; 4, \$1,675; 6, \$1,400; 7, \$1,400; 8, \$1,600; 9, \$1,410; 10, \$3,000; 11, \$1,212; 2, \$2,500; 13, \$1,700; 14, \$1,490.

HALLS AND SOCIETY BUILDINGS

Contracts Awarded.

FRESNO, FRESNO CO., CAL.—Lodge hall, 2 story and base, brick and steel, \$54,000. Architects, Swartz, Hotchkin & Swartz, Rowell Bldg., Fresno. Owner, F. M. Roessler. Contractor, James L. Daly, Fresno. Contract price, \$54,000.

KLAMATH FALLS, ORE.—Lodge hall, 2 story and base, reinforced concrete, \$50,000. Architects, Houghtaling & Dougan, Henry Bldg., Portland. Owners, Klamath Falls Elks' Hall Association. Contractors, Le Doux & Le Doux, 189 Simpson Bldg., Portland. Contract price, \$50,000.

HOSPITALS

NORWALK, LOS ANGELES CO., CAL.—Hospital building, frame and concrete construction. Cost not stated. Architect, State Architect George B. McDougall, Sacramento. Owners, State of California. Plans for the new State Hospital for the Insane Blind, which is to be erected near Norwalk, have been completed and are now out for figures. The first of the buildings to be figured will be Workers Cottage, Kitchen Building and Power House. The power house will be of concrete. The workers' cottage and kitchen building will be of frame and plaster construction. Bids are now being taken and will be opened on May 4th at Sacramento. Plans and specifications can be secured from the State Department of Engineering at Sacramento. An official proposal appears in another column of this issue.

WOODLAND, YOLO CO., CAL.—Hospital addition, 1 story and base, reinforced concrete, \$7,000. Architect, W. H. Weeks, 75 Post street, S. F. Owners, Woodland Sanitarium Co. The addition will be in the nature of a new wing added to the present building. Interior will be finished in pine with hardwood floors. There will be steam heat, vacuum cleaning and a hot water supply. Exterior of the building will be faced with cement plaster. Plans are now being prepared.

LOS ANGELES, CAL.—Hospital, 3 story and base, reinforced concrete, \$40,000. Architect, W. S. Garrett, Currie Bldg., L. A. Owners, French Hospital Association. The building will be erected at the corner of College and Castelar streets. There will be 18

private rooms, four wards of four beds each, operating rooms, nurses' quarters and office. Interior will be finished in pine with hardwood and tile floors. There will be steam heat and vacuum cleaning. Exterior of the building will be faced with cement plaster. Plans are now being prepared.

HOTELS

SAN FRANCISCO—Hotel completion, 6 story and base. Class C construction, \$50,000. Architect, J. R. Miller, Lick Bldg., S. F. Owners, J. R. Prior Estate. The building at the southwest corner of Eddy and Mason streets is to be completed at once. The work will include all interior finish, plastering, plumbing, electric work, glass and glazing and painting on the upper four floors. Plans are being completed and figures will be called for shortly.

LIBRARIES.

BERKELEY, ALAMEDA CO., CAL.—Library, 2 story and base, brick and stone, \$10,000. Architect, W. H. Ratcliff, Jr., First National Bank Bldg., Berkeley. Owners, City of Berkeley. Plans for a new Carnegie Library, which is to be erected on San Pablo avenue near University are nearly complete. The building will contain two reading rooms, stack room, office for the librarian and assistant. Interior finish will be of pine and redwood with maple floors in the reading rooms. There will be furnace heat. Double book stacks are specified. Exterior of the building will be covered with pressed brick. Plans will be out for figures in about two weeks. Further mention will be made of the work.

POST OFFICES

PARK CITY, UTAH.—Post office, 1 story and base, brick and stone. Cost not stated. Architect, Supervising Architect Oscar Wenderoth, Washington, D. C. Owners, United States Government. The building will cover an area of 2,300 square feet. Interior will be finished in pine and hardwood with some maple floors. There will be steam heat and a hot water system. Fireproof vaults are specified. Exterior of the building will be faced with pressed brick and stone. Plans are complete and figures are now being taken. Bids will be opened on May 13th. Plans and specifications can be secured from the office of the Supervising Architect. An official proposal appears in another column of this issue.

RAILROAD CONSTRUCTION AND EQUIPMENT.

MODESTO, STANISLAUS CO., CAL.—Passenger station, 1 story and base, reinforced concrete, \$15,000. Architect, Architectural Department, Southern Pacific Co., Flood Bldg., S. F. Owners, Southern Pacific Co. Immediate construction of a new passenger station has been ordered by the State Railroad Commission. The building will be designed in the Mission style and will contain two waiting rooms, agent's office, express and baggage

rooms. Exterior will be faced with cement plaster. Plans are now being prepared.

RESIDENCES.

SAN FRANCISCO—Residence, 2 story and base, frame, \$3,000. Architect, none. Owner, J. C. Kirby, 2152-A Market street, S. F. The dwelling will be erected on the west side of 12th avenue, north of Anza, and has been designed to contain six rooms, bath and sleeping porch. Interior finish will be of pine and redwood. Hardwood floors will be used in the living room and dining room. There will be furnace heat and open fire places. Mantels will be of tile or brick. Tile wainscot will be used in the bath room. An automatic water heater is specified. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor.

SAN FRANCISCO — Residence, 2 story, attic and base, frame. Cost not stated. Architect, William C. Hays, First National Bank Bldg., S. F. Owner, Captain William Matson. The dwelling will be erected on the south side of Jackson street east of Webster, and has been designed for a handsome city home. The house will contain twelve rooms, several baths and sleeping porches. Interior finish will be of pine, hardwood and white enamel. Hardwood floors will be used throughout, except in the bath rooms, which will be finished in tile. Plans provide for a central heating system, and probably hot water circulating system and open fire places. Mantels will be of stone and brick. A garage will be erected at the rear of the property. Exterior of the dwelling and garage will be covered with cement plaster on metal lath. Plans are complete and figures are now being taken.

SAN FRANCISCO — Residence, 2 story and base, frame, \$2,000. Architect, none. Owner, Alpheus Duffee, 685 Dolores street, S. F. The dwelling will be erected on the west side of Ninth avenue, north of Moraga street, and has been designed to contain seven rooms, bath and sleeping porch. Interior finish will be of pine and redwood with some white enamel in the bed rooms. Hardwood floors will be used in the living room, dining room and reception hall. There will be open fire places. Mantels will be of brick and tile. Tile wainscot will be used in the bath room. Plans provide for an automatic water heater. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor. Materials are now being purchased.

OAKLAND, CAL.—Residence, 2 story and base, frame, \$2,300. Architect, none. Owner, C. E. Carlson, 1512 Grove street, Berkeley. The dwelling will be erected on the west side of Thomas street north of Napa, and has been designed for a seven-room house with bath and sleeping porch. Interior finish will be of pine and redwood with some hardwood veneer. Bed rooms will be finished in white enamel. There will be furnace heat and open fire places. Mantels will be of tile and brick. Tile wainscot will be

used in the bath room. An automatic water heater is specified. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor.

OAKLAND, CAL.—Residence, 2 story and base, frame, \$3,000. Architect, none. Owner, S. G. Rankin, 5659 Shafter avenue, Oakland. The dwelling will be erected on the east line of Haddon road north of Excelsior Boulevard, and has been designed for a six-room house with bath and sleeping porch. Interior will be finished in pine and redwood, with enamel in the bed rooms. Hardwood floors will be used in the living room, dining room and reception hall. There will be furnace heat and open fire places. Mantels will be of tile. An automatic water heater is specified. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor. Materials are now being purchased.

BERKELEY, ALAMEDA CO., CAL.—Sorority house, 2 story, attic and base, frame, \$15,000. Architect, G. A. Applegarth, Call Bldg., S. F. Owner, Delta Delta Sorority, Berkeley. The building will be erected on Leroy avenue, and will be similar to a large residence. There will be a large social room, library, living room, dining room and kitchen on the first floor. Upper floors will be arranged for sleeping apartments. Interior finish will be of pine and redwood, with some hardwood veneer. Hardwood floors will be used in the principal rooms. There will be a central heating system, hot water circulating system and vacuum cleaning. Open fire places and tile mantels will be used. Bath rooms will be finished in tile and equipped with showers. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are now being prepared.

STOCKTON, SAN JOAQUIN CO., CAL.—Residence, 1 story and base, frame, \$2,000. Architect, none. Owner, H. B. Davidson, 945 South Center street, Stockton. The building will be erected on Anderson street, and has been designed to contain five rooms and bath. Interior will be finished in pine and redwood. Hardwood floors will be used in the living room and dining room. There will be a large open fire place in the living room with a brick or tile mantel. Imitation tile wainscot will be used in the bath room and kitchen. An automatic water heater will be installed. The exterior of the house will be covered with rustic and cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor.

SAN FRANCISCO—Residences, 2, 2 story and base, frame, \$9,000 each. Architects, Falch & Knoll, Hearst Bldg., S. F. Owners, Eisenbach Co. These two attractive city homes will be erected on Cherry street near Sacramento and each has been designed for a seven-room house with two baths and sleeping porches. Interiors will be finished in pine, hardwood and white enamel. Hardwood floors will be used throughout. There will be furnace heat and open fire places. Mantels will be of Caen stone. Bath rooms will be finished in tile. Auto-

matic water heaters will be installed. Exteriors will be covered with cement plaster on metal lath. Plans are being prepared.

SAN FRANCISCO—Residences, 2, 2 story and base, frame, \$4,500 each. Architect, none. Owner, W. W. Rednall, 2500 Filbert street, S. F. These houses will be erected on Filbert street west of Baker and each will contain six rooms, bath and sleeping porch. Interior finish will be of pine throughout. Hardwood floors will be used in the principal rooms. There will be furnace heat and open fire places. Mantels will be of tile and brick. Bath rooms will be finished in tile. Automatic water heaters are specified. Exteriors will be covered with rustic and cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor.

SAN FRANCISCO—Residences, 2, 2 story and base, brick and frame, \$10,000 each. Architects, Falch & Knoll, Hearst Bldg., S. F. Owners, Newell-Murdoch Co. These two houses will each contain eight rooms, three baths and sleeping porches and will be erected in Forest Hill. Separate garages will be erected in the rear of the property. Interiors will be finished in pine and hardwood with white enamel in the bed rooms. Hardwood floors will be used throughout. There will be furnace heat and open fire places. Mantels will be of tile and stone. Automatic water heaters will be installed. Bath rooms will be finished in tile. Exteriors will be covered with cement plaster on metal lath and with pressed brick veneer. Plans are being prepared.

SAN FRANCISCO — Residence, 2 story and base, frame, \$3,500. Architects, Falch & Knoll, Hearst Bldg., S. F. Owner, F. O'Connell. The dwelling has been designed for a six-room house and will be erected at the corner of 30th avenue and Balboa street. Interior will be finished in pine with some white enamel. Hardwood floors will be used in the principal rooms. There will be open fire places and tile mantels. Bath room will be finished in tile. An automatic water heater will be installed. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are complete and figures will be called for at once.

SAN MATEO, SAN MATEO CO., CAL.—Residence, 2 story and base, frame. Cost not stated. Architects, Rousseau & Rousseau, 110 Sutter street, S. F. Owner's name withheld. The dwelling has been designed for an eight-room house with two baths and sleeping porch. Interior will be finished in pine and hardwood with hardwood floors in the principal rooms. There will be furnace heat and open fire places. Mantels will be of tile and brick. Bath rooms will be finished in tile. An automatic water heater will be installed. Exterior of the dwelling will be faced with cement plaster on metal lath. Plans are being prepared.

Contracts Awarded.

SAN JOSE, SANTA CLARA CO., CAL.—Residence, 2 story and base, frame, \$3,000. Architect, none. Owner, J. Dudfield. Contractor, F. C. Nelson, 173 South First street, San Jose. Contract price, \$3,000.

FRESNO, FRESNO CO., CAL.—Residence, 1 story and base, frame, \$2,500.

Architect, none. Owner, David Wells. Contractors, Metzger & Weston, Fresno. Contract price, \$2,500.

LOS ANGELES, CAL.—Residence, 2 story and base, brick and frame, \$20,000. Architects, Hunt & Burns, Laughlin Bldg., L. A. Owner, James R. Page. Contractor, Thomas C. Marlowe, Van Nuys Bldg., L. A. Contract price, \$20,000.

SAN FRANCISCO—Residences, 2, 2 story and base, frame, \$6,200 and \$7,500. Architects, Falch & Knoll, Hearst Bldg., S. F. Owners, Newell-Murdoch Co. Contractors, Higginson Co., Humboldt Bank Bldg., S. F. Contract prices, \$6,200 and \$7,500.

SCHOOLS.

RICHMOND, CONTRA COSTA CO., CAL.—School, 1 story, brick. Cost not stated. Architect, J. A. Narbett, 704 Macdonald avenue, Richmond. Owner, City of Richmond. Plans for the Fairmount School have been completed and approved by the Board of Education. The building will contain four rooms and a reception hall, and will be in the nature of an addition to the present building. Interior will be finished in pine and redwood, with hardwood floors in the class rooms. A central heating system and oil burning equipment will be installed. Modern school plumbing is specified. Exterior of the building will be faced with pressed brick. Bids are now being taken and will be opened by the Board of Education on April 17th at 8 p. m. Plans and specifications can be secured from the architect. Separate bids are being called for on the heating and ventilating.

SEBASTOPOL, SONOMA CO., CAL.—School, 1 story and basement, frame and plaster. Cost not stated. Architect, Ernest L. Norberg, Phelan Bldg., S. F. All bids received for this work recently by the Board of Education have been rejected, and plans will be revised. The building will contain four rooms and assembly hall. Interior will be finished in pine. Plans provide for a central heating system, probably furnace heat, modern school plumbing and program clocks. Maple floors will be used in the class rooms. Exterior of the building will be finished with cement plaster on metal lath. The architect is now making revisions in the plans and further notice will be given when revised figures will be called for.

LOS ANGELES, CAL.—School, 3 story and base, brick and steel, \$350,000. Architect, John C. Austin, Baker-Detwiler Bldg., L. A. Owners, City of Los Angeles. The building will be erected on a 16-acre tract on Knoll street. Construction will be fireproof throughout. Exterior of the building will be faced with pressed brick. Only preliminary plans have been prepared and details will be given later.

LOS ANGELES, CAL.—School, 2 story and base, brick and steel, \$100,000. Architect, C. H. Russell, Story Bldg., L. A. Owners, City of Los Angeles. The building will be erected on East 14th street and will cover an area of 172 by 247 feet. Interior trim will be of pine with hardwood floors in the class rooms. Modern school plumbing, steam heat, vacuum cleaning and program clocks are specified. Exterior will be faced with pressed brick. Plans

are complete and out for figures. Bids will be opened on April 15th. Plans and specifications can be secured from the architect.

LOS ANGELES, CAL.—School, 2 story and base, brick or hollow tile, \$45,000. Architects, Dennis & Hewitt, Fay Bldg., L. A. Owners, Marian School District. The building has been designed in the classic style and will contain ten class rooms, library, auditorium and departments for domestic science and manual training. Interior will be finished in pine with maple floors in the class rooms. There will be steam heat, vacuum cleaning and program clocks. Exterior of the building will be faced with pressed brick or cement plaster on metal lath. Plans are complete and figures are being taken. Bids will be opened on April 19th.

LOS ANGELES, CAL.—School addition and alteration, 2 story and base, hollow tile, \$25,000. Architect, Homer W. Glidden, Wright and Callender Bldg., L. A. Owners, City of Los Angeles. Two wings will be constructed at the Normandie School and other alterations made. Plans are complete and out for figures. Bids will be opened on April 22nd. Plans and specifications can be secured from the architect.

SAN FERNANDO, LOS ANGELES, CO., CAL.—Schools, 2, 1 and 2 story and base, reinforced concrete, \$135,000. Architect, John C. Austin, Baker-Detwiler Bldg., L. A. Owners, San Fernando Union High School District. These buildings will be of fireproof construction. The auditorium building will be two stories in height and the mechanical arts building one story. Interiors will be finished in pine with maple floors in the class rooms. There will be steam heat, vacuum cleaning, program clocks and modern school plumbing. Exteriors will be faced with cement plaster. Plans are complete and figures are being taken. Bids will be opened on April 24th.

WOODLAND, YOLO CO., CAL.—Schools, 2, 1 and 2 story and base, brick and frame. Cost not stated. Architect, W. H. Weeks, 75 Post street, S. F. Owners, City of Woodland. Plans for these two buildings have been completed and are now out for figures. The two-story brick structure will contain twelve class rooms, auditorium and departments for manual training and domestic science. The one-story frame and plaster building will contain eight class rooms. Modern school plumbing and heating are specified. Exteriors will be covered with cement plaster on metal lath and pressed brick. Plans will be figured at once.

Contracts Awarded.

RICHMOND, CONTRA COSTA CO., CAL.—School, 1 story and base, brick veneer, \$10,341. Architect, James T. Narbett, Berry Bldg., Richmond. Owners, City of Richmond. Contractor, J. S. Hannah, Williams Bldg., S. F. Contract price, \$10,341. Heating and ventilating was awarded to J. E. Overaa of Richmond at \$1,844.

LOS ANGELES, CAL.—School, 2 story and base, brick, \$26,416. Architect, Architectural Department of the Board of Education, L. A. Owners, City of Los Angeles. Contractors, Willard-Brent Co., Baker-Detwiler Bldg., L. A. Contract price, \$26,416.

SEWERS, STREET WORK & WATER SYSTEMS.

CALISTOGA, NAPA CO., CAL.—Sewer system, \$14,000. Engineer, City Engineer, Calistoga. Owners, City of Calistoga. Bids for the construction of the new sewer system at Calistoga have been opened by the City Trustees and show the following firms as the two lowest bidders: J. H. May, Napa, \$14,515; Bardwell & Dillerman, Calistoga, \$14,200. All other bids submitted were rejected. The bids of the two mentioned above have been taken under advisement.

REDWOOD CITY, SAN MATEO CO., CAL.—Sewer construction. Cost not stated. Engineer, City Engineer, Redwood City. Owners, Redwood City. After a recommendation, the City Council ordered the City Engineer to prepare plans and specifications for the lawing of storm sewers of 16-inch terra cotta pipe and cement gutters on either side of Broadway from Main street to the bridge, and also Jefferson street to the bridge. Bids will be called for on the adoption of the plans.

MONTEREY, MONTEREY CO., CAL.—Sewer work. Cost not stated. Engineer, City Engineer, Monterey. Owners, City of Monterey. The City Council has adopted plans and specifications to connect the Oak Grove sewer with the septic tank back of the Monterey Theatre, and the City Clerk has been instructed to advertise for bids on the work.

BAKERSFIELD, KERN CO., CAL.—Pipe line construction, \$100,000. Engineer's name not given. Owner, Syndicate represented by C. H. Ball, Bakersfield. Recent reports state that a \$100,000 pipe line from the Rio Bravo pumping plant through Shafter to Wasco, with a branch line to Rosedale, will be started within thirty days by a group of Los Angeles capitalists. C. H. Ball, an eastern man now in Bakersfield, is interested in the work, and is now securing signatures of residents and ranchers in the vicinity.

PORTERVILLE, TULARE CO., CAL.—Street paving. Cost not stated. Engineer, City Engineer, Porterville. Owners, City of Porterville. Preliminary steps have been taken by the City Council to pave twenty blocks of residence streets in addition to the thirty-three blocks of work now under construction. A petition has been filed with the Council for the paving of El Granito avenue adjoining the high school.

SACRAMENTO, CAL.—Water main extension. Cost not stated. Engineer, City Engineer, Sacramento. Owners, City of Sacramento. The City Commission has voted to lay water pipe along Cypress avenue from the Lower Stockton road to the Upper Stockton road, and also on M street from 31st to Dana Way. This will take approximately two miles of eight inch pipe, according to Commissioner Coulter, who recommended the work.

STOCKTON, SAN JOAQUIN CO., CAL.—Street paving, etc., \$35,000. Engineer, City Engineer, Stockton. Owners, City of Stockton. Work will begin within the next five weeks, according to an announcement made by the Supervisors, on the macadamizing of the Howard road, a distance of eight miles. Bids for this work are to be called for immediately.

Contracts Awarded.

REDWOOD CITY, SAN MATEO CO., CAL.—Box culvert and concrete wall, \$2,586.97. Engineer, County Surveyor, Redwood City. Owners, San Mateo County. Contractors, Construction & Engineering Co., Hobart Bldg., S. F. Contract price, \$2,586.97.

REDWOOD CITY, SAN MATEO CO., CAL.—Road construction, \$29,947.53. Engineer, County Surveyor, Redwood City. Owners, San Mateo County. Contractors, Duncanson-Harrelson Co., Chronicle Bldg., S. F. Contract price, \$29,947.53.

SANTA CRUZ, SANTA CRUZ CO., CAL.—Street paving, \$11,175. Engineer, City Engineer, Santa Cruz. Owners, City of Santa Cruz. Contractor, W. E. Miller, Santa Cruz. Contract price, \$11,175.

SAUSALITO, MARIN CO., CAL.—Paving, \$44,120.40. Engineer, City Engineer, Sausalito. Owners, City of Sausalito. Contractors, Clark & Henry, Sausalito. Contract price, \$44,120.40.

RICHMOND, CONTRA COSTA CO., CAL.—Road work, \$30,000. Engineer, none. Owner, John Nicholl. Contractors, Moffett-Mead Co., Richmond. Contract price, \$30,000.

STORES AND OFFICES.

SAN FRANCISCO—Stores, 1 story and base, brick, \$6,000. Architect, W. E. Whalin, 2187 Fillmore street, S. F. Owner, A. S. Johnson. The present frame building will undergo alteration. There will be a new cement floor and brick veneer walls to the second floor line. New plumbing, interior finish and electric work is specified. Plans are complete and in the hands of the owner who will do the work by Day Labor.

SAN FRANCISCO—Stores, 1 story and base, frame, \$5,000. Architect, none. Owners, C. J. and W. J. Keenan, Hays and Central avenue, S. F. The building will be erected at the northwest corner of Hayes and Central avenue, covering an area of 37½ by 77 feet. There will be several small stores. Interiors will be finished in pine. A cement floor is specified. Exterior of the building will be covered with cement plaster on metal lath. Plans are complete and in the hands of the owners who will do the work by Day Labor.

OAKLAND, CAL.—Market, 1 story and base, brick, \$25,000. Architects, Rousseau & Rousseau, 110 Sutter street, S. F. Owner's name withheld. The building will be erected at the southwest corner of 7th and Washington streets, covering an area of 100 by 100 feet. The building has been designed for a Free Market. Considerable tile will be used. Modern plumbing and electric work is specified. Exterior will be faced with pressed brick trimmed with terra cotta. Plans are now being prepared.

BERKELEY, ALAMEDA CO., CAL.—Stores, 1 story and base, brick and steel. Cost not stated. Architects, Rousseau & Rousseau, 110 Sutter street, S. F. Owner's name withheld. The building will be erected at the southeast corner of College and Ashby and will cover a considerable ground area. There will be several small stores. Interiors will be finished in pine and tile. Patent store fronts are

specified. Exterior of the building will be faced with pressed brick. Plans are now being prepared.

BERKELEY, ALAMEDA CO., CAL.—Stores, 1 story and base, brick and steel, \$30,000. Architect, James W. Plachek, Acheson Bldg., Berkeley. Owner, W. J. Acheson. The building will be erected at the corner of Home and University, and has been designed for several modern stores. Interiors will be finished in pine and tile. Patent store fronts are specified. Exterior of the building will be faced with pressed brick trimmed with terra cotta. Plans are complete and figures are being taken.

THEATRES.

SEATTLE, WASH.—Theatre and stores, 1 story and base. Class A construction, \$350,000. Architect, B. Marcus Pretica, Empire Bldg., Seattle. Owner, C. D. Stimpson. The building will be erected at the corner of 5th avenue and Pike street, and will cover a ground area of 110 by 120 feet. Construction will be fireproof throughout. The theatre will have a seating capacity of 2,500 people. A \$45,000 organ is included in the work. Exterior of the building will be faced with cement plaster. Plans are nearly complete and figures will be called for shortly.

SEALED PROPOSALS**PROPOSALS FOR KITCHEN EQUIPMENT.**

KITCHEN EQUIPMENT—Sealed proposals indorsed "Proposals for Kitchen Equipment" will be received at the bureau of yards and docks, Navy Department, Washington, D. C., until 11 o'clock a. m. May 1, 1915, and then there publicly opened, for kitchen equipment at the naval hospital, Pearl Harbor, Hawaii. Plans and specifications may be obtained on application to the bureau or to the commandant of the naval station, Pearl Harbor, Hawaii. H. R. STANFORD, chief of bureau.

PROPOSALS.

OFFICE OF THE BOARD OF PUBLIC Works of the City and County of San Francisco.

Sealed proposals will be received at this office between the hours of 2 o'clock p. m. and 3 o'clock p. m., on Wednesday, the 21st day of April, 1915, for doing the following work, including the furnishing of the necessary labor and materials therefor, to wit:

Glass and Glazing for the City Hall.

Progressive payments will be made. Said work must be done in accordance with the specifications on file in the office of the Board of Public Works, to which reference is hereby made, and must be commenced within five (5) calendar days from the receipt of written notice from the Board of Public Works and completed within one hundred and eighty (180) calendar days thereafter.

The amount of bond for faithful performance of contract has been fixed at \$6,000.00.

All proposals offered must be accompanied by a check certified by a responsible bank, payable to the order of the Clerk of the Supervisors, for an amount not less than ten per cent of the aggregate of the proposal.

Printed proposal forms will be furnished gratuitously upon application at the office of the Architect, and all proposals must be made upon such forms.

The Board of Public Works reserves the right to reject any and all bids.

By order of the Board of Public Works.

F. J. CHURCHILL,
Secretary.

PROPOSALS.

OFFICE OF THE BOARD OF PUBLIC Works of the City and County of San Francisco.

Sealed proposals will be received at this office between the hours of 2 o'clock p. m. and 3 o'clock p. m., on Wednesday, the 28th day of April, 1915, for furnishing and delivering

Hardware for the City Hall.

Progressive payments will be made.

Said hardware must be in accordance with the specifications on file in the office of the Board of Public Works, to which reference is hereby made, and delivery must be commenced within five (5) calendar days from the receipt of written notice from the Board of Public Works, and completed within one hundred and eighty (180) calendar days thereafter.

The amount of bond for faithful performance of contract has been fixed at \$4,000.00.

All proposals offered must be accompanied by a check certified by a responsible bank, payable to the order of the Clerk of the Supervisors, for an amount not less than ten per cent of the aggregate of the proposal.

Printed proposal forms will be furnished gratuitously upon application at the office of the Architect, and all proposals must be made upon such forms.

The Board of Public Works reserves the right to reject any and all bids.

By order of the Board of Public Works.

F. J. CHURCHILL,
Secretary.

NOTICE TO CONTRACTORS.

OFFICE CONSTRUCTING QUARTERMASTER, Fort Mason, Cal., April 7, 1915.—SEALED PROPOSALS, in triplicate, for constructing a macadam road from Lobos Creek to near Battery Chamberlain, also for constructing a concrete road with oiled shoulders from Marine Hospital to new stable site, Presidio of San Francisco, Cal., will be received here until 11:00 A. M. April 22, 1915, and then opened. Plans, specifications and necessary information can be obtained here. Deposit of \$10.00 required to insure return of plans, etc. Proposals to be enclosed in sealed envelopes and addressed Lt. Col. Geo. McK. Williamson, Q. M. C. (*)

**STATE OF CALIFORNIA.
DEPARTMENT OF ENGINEERING.****CALIFORNIA HIGHWAY COMMISSION****NOTICE TO CONTRACTORS.**

SEALED PROPOSALS will be received at the office of the California Highway Commission, 515 Forum Building, Sacramento, Cal., until 2 o'clock P. M. on April 26, 1915, at which time they will be publicly opened and read for construction in accordance with the specifications therefor, to which special reference is made, portions of State highway as follows:

Sonoma County from Willow Brook to Southerly Boundary (IV-Son-1-C), about 6.4 miles in length, to be built of Portland cement concrete.

Contra Costa County from Richmond to Pinole (IV-C. C-14-A), about 5.3 miles in length, to be built of Portland cement concrete.

Monterey County from Salinas to Lagunita (V-Mon-2-A), about 6.1 miles in length, to be built of Portland cement concrete.

Monterey County from 3.2 miles north of King City Bridge to Greenfield (V-Mon-2-E), about 7.3 miles in length, to be built of Portland cement concrete.

Monterey County from 3 miles northwesterly from Bradley to San Ardo (V-Mon-2-H), about 10.9 miles in length, to be built of Portland cement concrete.

Plans may be seen, and forms of proposals, bonds, contract, and specifications may be obtained, at the said office, and they may be seen at the office of the Division Engineers at Los Angeles and San Francisco, and at the office of the Division Engineer of the division in which the work is situated. The Division Engineers' offices are located at Willits, Dunsmuir, Sacra-

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mento, San Francisco, San Luis Obispo, Fresno, and Los Angeles.

No bid will be received unless it is made on a blank form furnished by the Commission. The special attention of prospective bidders is called to the "Notice to Contractors" annexed to the blank form of proposal, for full directions as to bidding, quantities of work to be done, etc.

The Department of Engineering reserves the right to reject any or all bids or to accept the bid deemed for the best interests of the State.

CHARLES D. BLANEY,

NEWELL D. DARLINGTON,

CHARLES F. STERN,

California Highway Commission.

AUSTIN E. FLETCHER,

Highway Engineer.

WILSON R. ELLIS,

Secretary. (*)

Dated: March 30, 1915.

NOTICE TO CONTRACTORS.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., April 1, 1915.—SEALED PROPOSALS will be opened in this office at 3 P. M., May 13, 1915, for the construction complete (including mechanical equipment, interior lighting fixtures, and approaches) of the United States Post Office at Park City, Utah. One-story and basement building; ground area, 2,300 square feet; nonfireproof Architect. (*)

PROPOSALS FOR BUILDING.

BUILDING—U. S. Department of Agriculture, Office of the Secretary, Washington, D. C.—Sealed proposals will be received by the Secretary of Agriculture until noon, April 27, 1915, for the erection of a two-story frame cottage, telegraph office building, for the weather bureau, U. S. Department of Agriculture, at Neah Bay, Wash., in accordance with plans and specifications, which may be obtained from chief, U. S. weather bureau, Washington, D. C., or the U. S. weather bureau offices at Seattle or Port Crescent, Wash. Bids must be sealed and indorsed on envelope "Proposals for Weather Bureau Building, Neah Bay, Wash.," and addressed to the chief, U. S. weather bureau, Washington, D. C. The department reserves the right to reject any and all bids and to waive defects should it be deemed in its interest to do so. (Signed) D. F. HOUSTON, secretary.

PROPOSALS FOR CANAL SUPPLIES

PANAMA CIRCULAR 912—Proposals for Mechanical Range Indicators, Ampere Meters, Knife Switches, Galvanized Roofing, Spring Steel, Steel Straps, Wire Lath, Bolts, Nuts, Rivets, Boat Spikes, Washers, Cast Iron Pipe and Fittings, Valves, Sheet Copper, Hammers, Chisels, Twist Drills, Files, Saws, Blacksmiths' Drills, Carpenters' Braces, Steel Squares, Machetes, Rakes, Carlocks, Scrub Brushes, Counter Brushes, Paint Brushes, Hose, Packing, Asbestos Gaskets, Magnesia Pipe Covering, Leather Belting, Belt Lacing, Sash Cord, Chalk Line, Marline, Emery Cloth, Sandpaper, Oilcloth, Cheese-cloth, Sponges and Paper.—Sealed proposals will be received at the office of the general purchasing officer, the Panama Canal, Washington, D. C., until 10:30 a. m. April 16, 1915, at which time they will be opened in public, for furnishing the above mentioned articles. Blanks and general information relating to this circular (No. 912) may be obtained from this office or the office of the assistant purchasing agent, 1086 North Point street, San Francisco, Cal.; also from the U. S. engineer offices in the following cities: Seattle, Wash.; Los Angeles, Cal. F. C. BOGGS, major,

corps of engineers, U. S. army, general purchasing officer.

PROPOSALS FOR FUEL OIL.

FUEL OIL, ETC.—Office of the Department Quartermaster, Chronicle Building, San Francisco, Cal.—Sealed proposals will be received here until 11 a. m. April 23, 1915, for furnishing wood, coke, charcoal, smithing coal, mineral and fuel oil, gasoline, etc., required at posts in the Western Department during fiscal year commencing July 1, 1915. Information furnished on application here or to post quartermasters and quartermasters at Seattle, Wash., and Portland, Ore. H. S. WALLACE, colonel, quartermaster corps.

PROPOSALS FOR CANAL SUPPLIES.

PANAMA CIRCULAR 911—Proposals for Regulating Valves, Machines, Motors, Starting Panels and Limit switches for Locks.—Sealed proposals will be received at the office of the general purchasing officer, the Panama Canal, Washington, D. C., until 10:30 a. m. April 26, 1915, at which time they will be opened in public, for furnishing the above mentioned articles. Blanks and general information relating to this circular (No. 911) may be obtained from this office or the office of the assistant purchasing agent, 1086 North Point street, San Francisco, Cal.; also from the U. S. engineer offices in the following cities: Seattle, Wash.; Los Angeles, Cal. F. C. BOGGS, major, corps of engineers, U. S. army, general purchasing officer.

NOTICE TO CONTRACTORS.

SEALED BIDS will be received by W. F. McClure, State Engineer, Forum Building, Sacramento, California, up to and including 12 o'clock, noon, Tuesday, April 27, 1915, said bids then and there to be publicly opened and read for furnishing all plant, materials, and labor, and doing the work required for the complete construction and erection of a building to be known as the "Superintendent's Residence," Southern California State Hospital, Patton, California, in accordance with the plans and specifications, therefore, copies of which may be obtained on application to the State Department of Engineering, Sacramento, California.

Such bids will be received for the Entire Work, and must be submitted on forms prepared and furnished by the State Department of Engineering.

Cash, a bidder's bond, or a certified check in the sum of ten per centum (10%) of the amount of the bid must accompany each bid.

A deposit of Ten (\$10.00) Dollars will be required on plans and specifications, the deposit to be returned immediately on the return of the plans and specifications to the State Department of Engineering at Sacramento, California, in good condition.

The State Department of Engineering reserves the right to reject any and all bids and to waive any informality in any bid received.

All bids must be addressed to W. F. McClure, State Engineer, Sacramento, California, and plainly marked on the envelope: "Proposal for Superintendent's Residence, Southern California State Hospital, Patton, California."

(SIGNED) W. F. MCCLURE,
State Engineer. (*)

PROPOSAL FOR BIDS.

SEALED BIDS will be received at the office of Lewis P. Hobart, Crocker Building, San Francisco, Cal., at or before 11 A. M., April 14, 1915, for furnishing and erection of the structural steel work for the University Hospital at 4th and Parnassus Aves., San Fran-

Nearest to Everything



POWELL ST. AT O'FARRELL

Best located and most popular hotel in the City; circulating ice water in every room.

Especial attention to ladies travelling alone.

Excellent, reasonable priced grill. Meet your friends at the Manx

European Plan Rates \$1.50 up.

Management.

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cisco, as per plans and specifications on file at said office.

A deposit of \$5.00 will be required for each set of plans and specifications, which deposit will be refunded upon return of said plans and specifications.

No bids will be received unless accompanied by check or bond in favor of the undersigned, equal to 10% of the bid, to secure execution of the contract by the successful bidder.

The right is reserved to reject any or all bids.

THE REGENTS OF THE UNIVERSITY OF CALIFORNIA. (*)

NOTICE TO LUMBERMEN.

BIDS WANTED c. t. f. ship's slings, Sydney, Australia, for shipload, either sail or steam, of Douglas Fir lumber. Specifications at THE AUSTRALIAN OFFICES, 419 Market Street, San Francisco, Cal. (*)

PROPOSALS FOR SUPPLIES...

SUPPLIES—Sealed proposals will be received at the office of the commissioner of fisheries, Department of Commerce, Washington, D. C., until 2 o'clock p. m. April 20, 1915, and then opened, for furnishing general supplies for use on the Fribillif Islands, Alaska. Blank proposals and particulars may be obtained by addressing the above office.

PROPOSALS FOR BUILDING.

BUILDING, ETC.—U. S. Department of Agriculture, Office of the Secretary, Washington, D. C.—Sealed proposals will be received by the Secretary of Agriculture until noon April 27, 1915, for the erection of a two-story frame cottage, telegraph office building, for the weather bureau, U. S. Department of Agriculture, at Neah Bay, Wash., in accordance with plans and specifications, which may be obtained from chief, U. S. weather bureau, Washington, D., or the U. S. weather bureau offices at Seattle or Port Crescent, Wash. Bids must be sealed and indorsed on envelope "Proposals for

weather bureau, Washington, D. C. Wash., and addressed to the chief, weather bureau, Washington, D. C. The department reserves the right to reject any or all bids and to waive defects should it be deemed in its interest to do so. (Signed) D. F. HOUSTON, Secretary.

NOTICE TO CONTRACTORS.

SEALED BIDS will be received by W. F. McClure, State Engineer, Forum Building, Sacramento, California, up to and including 12 o'clock, noon, Tuesday, May 4th, 1915, said bids then and there to be publicly opened and read for furnishing all plant, materials and labor, and doing the work required for the complete construction and erection of buildings to be known as "Worker's Cottage for Males," "Kitchen Building," and "Power House," Norwalk State Hospital, near Norwalk, California, in accordance with the plans and specifications therefor, copies of which may be obtained on application to the State Department of Engineering, Sacramento, California.

Such bids will be received for the Entire Work, and must be submitted on forms prepared and furnished by the State Department of Engineering.

Cash, a bidder's bond, or a certified check in the sum of ten per centum (10%) of the amount of the bid must accompany each bid.

A deposit of Twenty (\$20.00) Dollars will be required on plans and specifications, the deposit to be returned immediately on the return of the plans and specifications to the State Department of Engineering, at Sacramento, California, in good condition.

The State Department of Engineering reserves the right to reject any and all bids and to waive any informality in any bid received.

All bids must be addressed to W. F. McClure, State Engineer, Sacramento, California, and plainly marked on the envelope: "Proposal for 'Worker's Cottage for Males,' 'Kitchen Building,' and 'Power House,' Norwalk State Hospital, near Norwalk, California." (SIGNED) W. F. McCLURE, State Engineer. (*)

NOTICE TO CONTRACTORS.

OFFICE CONSTRUCTING QUARTERMASTER, Fort Mason, Cal., April 10, 1915.—SEALED PROPOSALS, in triplicate, for constructing a timber crib wall at Fort Winfield Scott, Cal., will be received here until 11:00 A. M., April 21, 1915, and then opened. Plans, specifications and necessary information can be obtained here. Deposit of \$10.00 required to insure return of plans, etc. Proposals to be enclosed in sealed envelopes and addressed LT. COL. GEO. McK. WILLIAMSON, Q. M. C. (*)

NOTICE TO CEMENT CONTRACTORS.

Have about 20,000 square feet of concrete walks to be laid at Moss Beach, San Mateo Co. Desire contractors who will consider part cash and part property at actual value. C. LITTLEPAGE, Room 4, 109 Montgomery St. (*)

Alaskan Agent Is Located In Seattle.

Eastern Interests to Protest Location of Purchasing Agent for Big Federal Project in Alaska.

The Purchasing Office of the Alaskan Engineering Commission, which will conduct all business pertaining to the construction of the government railroad project in Alaska, has been opened in the Alaska Building, Seattle, Washington.

The Secretary of the Interior has selected Mr. C. E. Dole, who has been connected with the purchasing office of

the Panama Canal Commission in the capacity of Chief Clerk since June 9th, 1906, as the purchasing officer of the new commission.

The selection of a Pacific Coast city for this important office has caused Eastern publications and manufacturers to protest to the federal authorities at Washington, D. C. The following, taken from the Government Advertiser, published at Washington, D. C., shows the pressure that will be brought to bear to have the office removed to the federal capitol.

"The purchasing office of the Alaskan Engineering Commission will be located in Seattle and all the transactions having to do with the solicitation of proposals, the opening of bids, the award of contract, the preparation of specifications, and the negotiations with contractors generally will be conducted from the west-coast city.

The carrying out of this plan will prove a mistake and will involve the government in increased expense and multiply the annoyances to which bidders and contractors are subjected. There will necessarily be delays in communication, as must inevitably occur where the purchasing official is located in Seattle, the higher authority in Washington, and most of the firms which will directly or indirectly do business in connection with the railroad project are in the east and middle west.

It is as awkward an arrangement as might be imagined under any circumstances; it is as if the purchasing officer of the Panama Canal had conducted the affairs of his office from the Canal Zone instead of from Washington. The experience gained as a result of the work of constructing the isthmian waterway should count for something in determining the location of the purchasing officer of the Alaskan Railway."

BONDING ASPHALT TO CONCRETE.

Among the several problems to be met in the recent construction of the concrete reservoirs in San Francisco was that of bonding asphalt to concrete. According to B. N. Abbott, in a letter to The Engineering Record, after making unsuccessful attempts to apply the asphalt direct to the concrete in various ways, the expedient of first painting the surface with coal-tar was tried, and it was found that when applied in this way under right conditions, the asphalt would adhere so firmly that after it had cooled it could not be broken away without bringing pieces of concrete with it.

Mr. Abbott states that in order to secure this result, the concrete surface was first scrubbed clean with a bristle brush, and over this a thin coating of hot coal-tar was "painted." The coal tar should be heated in small quantities, brought just to the boiling point, and then applied immediately. Heating the coal-tar in large quantities, which necessitated some delay before it could all be used, did not give such good results; and the gangs were therefore not allowed to heat more at a time than they could apply quickly as soon as it began to boil. The asphalt was spread over the tarred surface in the usual manner.

HONGKONG LUMBER TRADE.

[Consul General George E. Anderson Hongkong, China, Jan. 30.]

The imports of lumber into Hongkong during 1914, especially of Oregon pine and other lumber from the United States, was the largest in the history of the port and exceeded the imports of 1913 by fully 100 per cent. The total imports of lumber from the United States during the year amounted to 12,155,242 feet, of which 1,896,840 feet were of redwood sleepers and about 200,000 feet of spars, the rest being of Oregon pine. Of the imports substantially 1,500,000 feet are still on hand subject to sale.

The great increase in imports, however, represents actual increase in consumption as a rule. There has been an active campaign carried on in behalf of American lumber and timber for various purposes, with the result that these various materials have been imported for purposes for which they have not been used heretofore. There has been an unusual amount of building going on in Hongkong and vicinity during the year, which has taken up a considerable proportion of the increase. In general, American lumber is becoming used more freely for many purposes in this market in place of various hardwoods from the East Indies.

Gain in Imports from Philippines.

Imports of hardwood during the year have been considerably below the average. There has been a marked shortage in supplies of teak, with the result that what imports have been made have been at an advance of about 20 per cent in price. Imports of such woods from the Philippines, however, have increased greatly, and there is every indication that with the resumption of normal conditions generally there will be a great increase in the proportion of hardwood lumber imported from that American territory into both Hongkong and adjacent ports. Imports of various Philippine hardwoods during the year have amounted to about 3,500,000 board feet, which represents a very large increase over the imports of these woods in previous years.

MONEY FOR TWINE.

More than half a million dollars in currency has been sent to Yucatan on a warship of the United States to advance to hemp growers, the crop of which is needed to make twine for binding the wheat crop of the country this year. There is said to be some 250,000 bales of sisal ready for shipment at Progreso, the port, and Merida, the railway center of Yucatan. Since the United States Government prevented Carranza from blocking Progreso, the chief obstacle in moving this supply has been a scarcity of labor and shipping facilities. A number of ships are now awaiting cargoes, however, and the labor situation is improving, according to reports to the State Department. Arrival of the American money is expected to result in immediate further movement.—Financial News.

ADVANCE NEWS

Classified according to Location

SAN FRANCISCO.

RESIDENCE — 2 story and base, frame, \$3,000. San Francisco. Architect, none. Owner, J. C. Kirby, 2152 Market street, S. F. The dwelling will be erected on the west side of 12th avenue north of Anza and has been designed to contain six rooms, bath and sleeping porch. Interior finish will be of pine and redwood. Hardwood floors will be used in the living room and dining room. There will be furnace heat and open fire places. Mantels will be of tile or brick. Tile wainscot will be used in the bath room. An automatic water heater is specified. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor.

RESIDENCE — 2 story and base, frame. Cost not stated. San Francisco. Architect, William C. Hays, First National Bank Bldg., S. F. Owner, Captain William Matson. The dwelling will be erected on the south side of Jackson street east of Webster, and has been designed for a handsome city home. The house will contain twelve rooms, several baths and sleeping porches. Interior finish will be of pine, hardwood and white enamel. Hardwood floors will be used throughout except in the bath rooms, which will be finished in tile. Plans provide for a central heating system, probably a hot water circulating system and open fire places. Mantels will be of stone and brick. A garage will be erected at the rear of the property. Exterior of the dwelling and garage will be covered with cement plaster on metal lath. Plans are complete and figures are now being taken.

RESIDENCE — 2 story and base, frame, \$2,000. San Francisco. Architect, none. Owner, Alpheus Duffee, 635 Dolores street, S. F. The dwelling will be erected on the west side of Ninth avenue north of Moraga street, and has been designed to contain seven rooms, bath and sleeping porch. Interior finish will be of pine and redwood with some white enamel in the bed rooms. Hardwood floors will be used in the living room and dining room and reception hall. There will be open fire places. Mantels will be of brick and tile. Tile wainscot will be used in the bath room. Plans provide for an automatic water heater. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor. Materials are now being purchased.

FLATS—2 story and base, frame, \$5,000. San Francisco. Architects, O'Brien Bros., 240 Montgomery street, S. F. Owner, Mrs. Ackerman. The building will be erected on Diamond street, north of 19th street, having an area of 25 by 125 feet. There will be two flats of six and seven rooms. A

garage will occupy the basement. Exterior finish will be of pine and redwood. Hardwood floors will be used in the living room, dining room and reception halls. There will be open fire places in each of the living rooms. Mantels will be of tile or brick. Imitation tile wainscot will be used in the bath rooms and kitchens. Automatic water heaters are specified. Exterior of the building will be covered with rustic and cement plaster on metal lath. Plans are now being prepared.

FLATS—2 story and base, frame, \$25,000. San Francisco. Architect, none. Owner, Henry Jacks, 5426 California street, S. F. The building will be erected on the south side of Clement street west of 17th avenue, and has been designed for a small store on the first floor and two flats above. The building will cover an area of 25 by 60 feet. Interior finish will be of pine and redwood. Hardwood floors will be used in the living rooms. Imitation tile is specified for bath rooms and kitchens. There will be open fire places and tile or brick mantels. Exterior of the building will be covered with rustic and cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor. Materials are now being purchased.

CITY HALL GLASS AND GLAZING —Cost not stated. San Francisco. Architects, Bakewell & Brown, 251 Kearny street, S. F. Owners, City and County of San Francisco. Plans have been completed for the glass and glazing of the new City Hall, and have been approved by the advisory architect. Plans are now in the hands of the Board of Public Works who are calling for bids. Figures will be opened on April 21st.

APARTMENT HOUSE—3 story and basement, frame, \$12,000. San Francisco. Architect, Charles J. Rousseau, 46 Kearny street, S. F. Owner, Mr. Hawthorne. The building will be erected on California street near Hyde, and has been designed to contain a number of four-room apartments with private bath and wall beds. Interior will be finished in pine and hardwood veneer and white enamel. Hardwood floors will be used in the living and dining rooms and reception halls. Each apartment is provided with a private entrance and sun porch. There will be steam heat and hot water supply and vacuum cleaning system. Bath rooms will be finished in tile. Entrance lobby is designed in the Empire style with marble and tile wainscot in the vestibules. Exterior of the building will be covered with cement plaster on metal lath. Plans are now being prepared and figures will be called for about the end of this week.

GARAGE ALTERATION — 1 story, brick and steel, \$10,000. San Francisco. Architect, none. Owner, P. A. MacDonald, 244 Kearny street, S. F. The building now located on the east

side of Valencia street near Clarion, and covering an area of approximately 100 feet square will be altered into a garage. The work will include structural steel, cement floor and some brick work, carpentry, electric work, plumbing and special gasoline storage tanks. The exterior of the building will be covered with pressed brick. Plans are complete and in the hands of the owner who will do the work by Day Labor.

GARAGE—3 story and base. Class A construction. Cost not stated. San Francisco. Architect, J. F. Dunn, Monadnock Bldg., S. F. Owner, Louis Gassner. The building will be erected on the east side of Stockton street, 70 feet north of Sutter, having a frontage of 64 feet and a depth of 137½ feet. Plans have been prepared with walls and foundation of sufficient strength to carry four additional stories. In the event of the seven-story building being erected, the upper stories will be arranged for a hotel and apartments. Probably only three stories will be erected at the present time. Interior finish will be of pine and redwood. There will be steam heat and elevator service. Metal window sash and frames will be used. Exterior of the dwelling will be faced with pressed brick, trimmed with terra cotta. Plans are now being prepared and further mention will be made of the work.

APARTMENT HOUSE—5 story and base, brick and steel. Cost not stated. San Francisco. Architect's name not given. Owners, Metropolis Investment Co., 333 Kearny street, S. F. The building will be erected on Ellis street near Leavenworth, and has been designed to contain a number of two, three and four room apartments with wall beds and private bath rooms. There will be steam heat, elevator service, vacuum cleaning and a hot water supply. Interior will be finished in pine and hardwood. Hardwood floors will be used in the living and dining rooms. Bath rooms will have tile wainscot and composition floors. Exterior of the building will be faced with pressed brick trimmed with terra cotta. Plans are in the hands of the owners who will do the work by Day Labor.

BRIDGE REPAIRS—Steel construction, \$6,870. San Francisco. Engineer, City Engineer, Temporary City Hall, S. F. Owners, City and County of San Francisco. Monson Bros. submitted the lowest figure at \$6,870 for repairs to the Third and Channel street bridge. They will probably be awarded the contract. A complete list of the bids opened appears under the heading of San Francisco in this issue.

FIRE HOUSE COMPLETION — 2 story and base. Class C construction. Cost not stated. San Francisco. Architects, Ward & Blohme, Alaska Commercial Bldg., S. F. Owners, City and County of San Francisco. Bids for the finishing construction on Engine House No. 12 have been opened

by the Board of Public Works. C. L. Wold presented the low bid at \$4,348, and the Roberts Mfg. Co. were low for furnishing the lighting fixtures. Both contracts will probably be awarded at the next meeting. A complete list of the bids will be found under the heading of San Francisco in this issue.

FLATS—2, 2 story and base, frame, \$5,000 each. San Francisco. Architect, none. Owner, P. D. Taylor, 1921 Oak street, S. F. These buildings will be erected on 17th avenue north of California and will contain two modern flats each. Interior finish will be of pine with some hardwood floors. Open fire places will be used in the living rooms. Mantels will be of tile and brick. Exterior of the buildings will be covered with rustic and cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor.

FLATS—2, 3 story and base, frame, \$7,000 each. San Francisco. Architect, Bernard J. Joseph, New Call Bldg., S. F. Owner, B. Schapiro. These buildings will be erected on the east side of Harriett street south of Howard, and each will contain six small flats. Interiors will be finished in pine and redwood. Some hardwood floors will be used. There will be open fire places and tile mantels. Imitation tile wainscot will be used in the bath rooms. Exterior of the buildings will be covered with rustic and cement plaster on metal lath. Plans are complete and figures are now being taken.

FLATS—2, 3 story and base, frame, \$9,000, each. San Francisco. Architect, none. Owner, Thomas F. Barry, 2641 20th street, S. F. These buildings will be erected on Green street west of Leavenworth, and each has been designed to contain six flats. Interiors will be finished in pine with some hardwood veneer. Hardwood floors will be used. There will be furnace heat and open fire places. Mantels will be of tile. Exteriors will be covered with cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor.

HOTEL COMPLETION—6 story and base, Class C construction, \$50,000. San Francisco. Architect, J. R. Miller, Hick Bldg., S. F. Owners, J. R. Prior Estate. The building at the southwest corner of Eddy and Mason streets is to be completed at once. The work will include all interior finish, plastering, plumbing, electric work, glass and glazing and painting on the upper four floors. Plans are being completed and figures will be called for shortly.

POST OFFICE—1 story and base, brick and stone. Cost not stated. Park City, Utah. Architect, Supervising Architect Oscar Wenderoth, Washington, D. C. Owners, United States Government. The building will cover an area of 2,300 square feet. Interior will be finished in pine and hardwood with some maple floors. There will be steam heat and a hot water system. Fireproof vaults are specified. Exterior of the building will be faced with pressed brick and stone. Plans are complete and figures are now being taken. Bids will be opened on May 13th. Plans and specifications can be secured from the office of the

Supervising Architect. An official proposal appears in another column of this issue.

RESIDENCES—2, 2 story and base, frame, \$9,000 each. San Francisco. Architects, Falch & Knoll, Hearst Bldg., S. F. Owners, Eisenbach Co. These two attractive city homes will be erected on Cherry street near Sacramento, and each has been designed for a seven-room house with two baths and sleeping porches. Interiors will be finished in pine, hardwood and white enamel. Hardwood floors will be used throughout. There will be furnace heat and open fire places. Mantels will be of Caen stone. Bath rooms will be finished in tile. Automatic water heaters will be installed. Exteriors will be covered with cement plaster on metal lath. Plans are being prepared.

RESIDENCES—2, 2 story and base, frame, \$4,500 each. San Francisco. Architect, none. Owner, W. W. Rednall, 2500 Filbert street, S. F. These houses will be erected on Filbert street west of Baker, and each will contain six rooms, bath and sleeping porch. Interior finish will be of pine throughout. Hardwood floors will be used in the principal rooms. There will be furnace heat and open fire places. Mantels will be of tile and brick. Bath rooms will be finished in tile. Automatic water heaters are specified. Exteriors will be covered with rustic and cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor.

RESIDENCES—2 2 story and base, brick and frame, \$10,000 each. San Francisco. Architects, Falch & Knoll, Hearst Bldg., S. F. Owners, Newell-Murdoch Co. These two houses will each contain eight rooms, three baths and sleeping porches, and will be erected in Forest Hill. Separate garages will be erected in the rear of the property. Interiors will be finished in pine and hardwood with white enamel in the bed rooms. Hardwood floors will be used throughout. There will be furnace heat and open fire places. Mantels will be of tile and stone. Automatic water heaters will be installed. Bath rooms will be finished in tile. Exteriors will be covered with cement plaster on metal lath and with pressed brick veneer. Plans are being prepared.

RESIDENCE—2 story and base, frame, \$3,500. San Francisco. Architects, Falch & Knoll, Hearst Bldg., S. F. Owner, F. O'Connell. The dwelling has been designed for a six-room house and will be erected at the corner of 30th avenue and Balboa street. Interior will be finished in pine with some white enamel. Hardwood floors will be used in the principal rooms. There will be open fire places and tile mantels. Bath room will be finished in tile. An automatic water heater will be installed. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are complete and figures will be called for at once.

STORES—1 story and base, brick, \$6,000. San Francisco. Architect, W. E. Whallin, 2187 Fillmore street, S. F. Owner, A. S. Johnson. The present frame building will undergo alteration. There will be a new cement floor and brick veneer walls to the

second floor line. New plumbing, interior finish and electric work is specified. Plans are complete and in the hands of the owner who will do the work by Day Labor.

STORES—1 story and base, frame, \$5,000. San Francisco. Architect, none. Owners, C. J. and W. J. Keenan, Hayes and Central avenue, S. F. The building will be erected at the northwest corner of Hayes and Central avenue, covering an area of 37½ by 77 feet. There will be several small stores. Interiors will be finished in pine. A cement floor is specified. Exterior of the building will be covered with cement plaster on metal lath. Plans are complete and in the hands of the owners who will do the work by Day Labor.

Contracts Awarded.

BREWERY PLANT—5 to 7 story and base, reinforced concrete, \$538,913. San Francisco. Architect, Carl Siebrand, Arcade Bldg., Seattle. Owners, Rainier Brewing and Malting Co. Contractors, Sound Construction and Engineering Co., Hearst Bldg., S. F. Contract price, \$538,913.

RESIDENCES—2, 2 story and base, frame, \$6,200 and \$7,500. San Francisco. Architects, Falch & Knoll, Hearst Bldg., S. F. Owners, Newell-Murdoch Co., Contractors, Higginson Co., Humboldt Bank Bldg., S. F. Contract prices, \$6,200 and \$7,500.

City Bids Opened

Bids For Considerable City Work Opened by The Board of Public Works at Wednesday Session.

The following bids were opened at the Wednesday afternoon meeting of the Board of Public Works:

Electric Conductors for Geary Municipal Railway.

H. S. Tittle.....	\$1,620
Rex Elec. Company.....	1,915
Pacific Fire Extinguisher Co.....	1,595
Butte Eng. & Elec. Co.....	1,749

Third Street Bridge.

Thompson Bridge Co.....	\$ 8,673
G. E. Lamburth.....	7,690
Butte Eng. & Elec. Co.....	10,490
Healy Tibbitts Constr. Co.....	9,292
Monson Bros.	6,870
Dyer Bros.	10,000

Engine House No. 12, Completion of General Construction.

C. L. Wold.....	\$4,348
E. Carlson	3,335

Light Fixtures, Engine House No. 12.

Ickelheimer Bros.	\$2,025
Thomas Day Co.....	2,500
Roberts Mfg. Co.....	1,815

Figures Opened For Big Rainier Brewery.

Sound Construction and Engineering Co. Present Low Bid for New Plant to Be Erected Here.

Eleven sets of figures were opened Tuesday morning in the office of John Rapp & Son representatives of the Rainier Brewing and Malting Co. of Seattle for the construction of the seven-story and basement reinforced concrete brewery building to be erected on Bryant street from plans by Architect Carl Siebrand Arcade Building, Se-

attle An award of contract has not yet been made. The following bids were received:

Rainier Brewing Plant.	
Sound Const't & Eng. Co.....	\$538,913
Lindgren & Co.	559,000
McLaren & Peterson	587,000
Mahoney Bros.	607,000
Lange & Bergstrom	619,000
MacDonald & Kahn.....	623,300
Van Sant-Houghton Co.	627,489
Grant-Smith Co.	637,000
Fennell & Chisholm	652,000
Turner Co.	676,000
A. H. Wilhelm	707,990

Judson Iron Works Secures Brewery Job.

False Eastern Report Does Injustice to John Rapp Company.

Yesterday the Judson Iron Works was awarded the contract for the structural steel for the new brewery building to be erected here by the Rainier Brewing and Malting Co., for \$154,300, being a preference of \$3,300 over the bid of Jones & Laughlin of Pittsburg, who were reported in a recent issue of an Iron Trades paper as having secured the job for \$151,000, which report was not true.

The awarding of the contract to the Judson Co. sets at rest the ugly suspicion that the local firms were imposed upon.

The publication of the statement in the Eastern journal that the steel job had been awarded caused the local firms to fly to pieces and say all manner of things derogatory to the Brewery Company and yesterday's issue of the "Builder" reported the steel contractors' version.

Now justice must be done to the Brewery Co., because they acted fair. The Jones & Laughlin Co. did not receive the plans before March 31. They had no inside track. Their bid was used by the Sound Construction Co. Now the latter company, who were low on the job, will have their bid raised according to the preference given the Judson Co. Nothing squarer or fairer could be done. Apologies are due the John Rapp Company.

Work Accomplished By Shell Co., Inc.

Plan More Construction at Martinez And Will Double Capacity of San Francisco Distributing Plant.

Construction of the new Shell Company's oil refinery at Martinez and the other important building and engineering enterprises recently undertaken by the Shell Company of California have attracted but little public attention in comparison to that given the establishment of other industrial plants of far less magnitude.

The Shell Co. of California is composed largely of Dutch and English capital and was frequently mentioned in the news during the early stages of its formation, chiefly on account of the large amount of foreign capital involved and the vast amount of construction work which included the ex-

penditure of several million dollars. With a large proportion of this construction under contract and the success of the company assured, local interest has wained and little or no praise is given by the people of cities which have been most benefited.

During the comparatively short period that the Shell Co. of California has been operative it has secured a site for its refinery at Martinez, which embraces 415 acres and has constructed a wharf 3,400 feet in length, 12 feet wide to deep water. A most modern refinery, which combines all the best of the proven facilities of Europe and America, and which has a capacity of 15,000 barrels of crude oil per day, converted into all products has been erected. Nine residences for employees besides numerous warehouses, composing buildings, laboratories and a power plant have been erected. Other buildings, stills and tanks are to follow until the capacity of the Martinez refinery is brought to a capacity of 60,000 barrels of crude oil per day, converted into all products. The company's estimated expenditure at Martinez is placed at \$2,000,000.

In San Francisco the company has a district plant at Kentucky and Army streets, which handles the local distribution of fuel oils and kindred products. The present capacity of this district plant will be doubled shortly by the construction of two or more warehouse and additional dockage.

The Valley Pipe Line Co., which has contracted as a transportation company to furnish the Shell Co. with crude oil from the Midway and Coal-inga fields, a distance of 170 miles, announce that construction work on the pipe line and its eleven pumping stations will be completed in October or November.

The Shell Co. will maintain distributing plants, tanks and supply stations in all the principal cities of California, Oregon, Washington and British Columbia. Many of these distributing plants have already been constructed while others will be contracted for at once.

Building Contracts Awarded.

San Francisco

No.	Owner.	Contractor	Amt.
1015	Mayle	Swanson	2600
1016	Walker	MacArthur	2500
1017	Pacific G & E.....	Cahill	28760
1018	Ehrman	Atlas	2485
1019	Same	Preston	9198
1020	Same	Forderer	1050
1021	Same	Bosch	3780
1022	Same	Snook	3988
1023	Beth Israel	Church	3409
1024	Towne Rlty	Spargo	1085
1025	Bjorkman	Holmes	1600
1026	Faught	Moise	400
1027	Weissbaum	Owner	500
1028	Coleman	Coleman	3000
1029	Moehl	Wedgest	400
1030	Shayton	Coggins	1000
1031	Firestone	Novelty	400
1032	Wilson	Hobson	400
1033	Powers	Powers	1000
1034	Oswald	Oswald	1000
1035	Brick	Raymond	600
1036	Babin	Babin	1182
1037	Kruse	Kruse	400
1038	Rossi	Biller	800
1039	Cadenasso	Cadenasso	400
1040	Weeks	Vezina	6000
1041	Same	Curtis	925
1042	Same	Globe	188
1043	Same	Cameron	460
1044	S F Casket.....	Healey	900
1045	Beellantoni	Howard	400
1046	Pidgron	Pidgron	400
1047	Hagman	Hagman	400
1048	Grunig	Grunig	700
1049	W'n Union	Owner	1200

1050	Wangaman ..	Wangaman	100
1051	Hall	Hall	1000
1052	Levy	Levy	500
1053	Mills Est	Bogart	750
1054	Kirby	Kirby	3000
1055	Keenan	Keenan	3000
1056	Yager	Yager	13500
1057	Arrigoni	Bertolino	1517
1058	Bresnoff	Rudometkin	1000
1059	Tocalino	Devencenzi	5000
1060	Same	Same	4000
1061	Mori	Mori	3500
1062	Ingmanson	Olsen	1400
1063	Fevieros	Roberts	1600
1064	Crocker	Mahony	10000
1065	Keyes	S F Elev	1850
1066	Rosenfelds	Braunton	8000
1067	Bode	Petersen	6000
1068	St. Francis Bldg.	Mason	5000
1069	Same	Same	5000
1070	Cutter	Sattin	5000
1071	Hinton	Deilco	1825
1072	Lewis	Boxton	4070
1073	Housken	Hamill	2400
1074	Y. M I.....	Fennell	1065
1075	Same	Mission Marble	5750
1076	Same	Lowry	5300
1077	Hunter	Houle	2100
1078	Breheny	Regar	400
1079	Atkins	Whittle	450
1080	Duffee	Duffee	3000
1081	Slevin	Slevin	600
1082	MacDonald	MacDonald	10000
1083	Jacks	Jacks	2300
1084	Heyman	Heyman	1950
1085	Heyman	Heyman	1950
1086	Clancy	Clancy	3000
1087	Samuels	Samuels	7500
1088	Byington	Moore	3000
1089	Siebrecht	Munster	2900
1090	Matson	Henderson	14300
1091	Phelan	Forderer	1895
1092	Lawton	Gullmes	982

FRAME COTTAGE

(1015) W THIRTEENTH AVE 275 S
Judah S 25xW 120. All work for one-story and basement frame cottage.

Owner.....Chas. Mayle, 1012 Diamond, San Francisco.

Architect...None.

Contractor...Oscar Swanson, 4066 18th, San Francisco.

Filed Apr. 5, '15. Dated Apr. 3, '15.

Frame up	\$650
Brown coated	650
Completed and accepted.....	650
Usual 35 days.....	650

TOTAL COST, \$2600

Bond, none. Limit, 70 days. Forfeit, none. Plans and specifications filed.

FRAME RESIDENCE

(1016) S TWENTIETH 180 E Sanchez
E 25xS 114 M B 91. All work for two-story frame residence.

Owner.....Sydney J. Walker, 444 London, San Francisco.

Architect...None.

Contractor...H. E. & T. W. MacArthur, 1560 Fell, San Francisco.

Filed Apr. 5, '15. Dated Mar. 15, '15.

Ready for roof.....	\$625
Brown coated	625
Completed and accepted.....	625
Usual 35 days.....	625

TOTAL COST, \$2500

Bond, none. Limit, 90 days after March 18. Forfeit, none. Plans and specifications filed.

CLASS "A" OFFICE BUILDING

(1017) S SUTTER 115-9 E Powell S
137-6xE 45-6. Excavation, concrete and fireproofing for eight-story Class "A" office building.

Owner.....Pacific Gas & Electric Co., 445 Sutter, San Francisco.

Architect...Edgar A. Mathews, Phe-lan Bldg., San Francisco.

Contractor...J. R. Cahill, 460 Montgomery, San Francisco.

Filed Apr. 5, '15. Dated Mar. 31, '15.

Foundations of building in.....	\$6300
Steel walls erected and excava-tion and back filling done.....	3000
Fire proofing of floors & columns	

done 6260
Completed and accepted..... 6000
Usual 35 days..... 7200

TOTAL COST, \$28,760

Bond, \$15,000. Surety, Hartford Accident & Indemnity Co. Limit, as fast as required. Forfeit, none. Plans and specifications filed.

HEATING SYSTEM

(1018) NO. 2976 BROADWAY. Heating system for residence.

Owner.....Sidney M. Ehrman, Nevada Bank Bldg., S. F.

Architect...Lewis P. Hobart, Crocker Bldg., San Francisco.

Contractor...Atlas Heating & Ventilating Co., 4th & Feelon, S. F.

Filed Apr. 5, '15. Dated Mar. 31, '15.

On 15th of each month..... 75%

Usual 35 days..... 25%

TOTAL COST, \$2485

Bond, \$1245. Surety, National Surety Co. Limit, Nov. 1, 1915. Forfeit, none. Specifications only filed.

(1019) BRICK WORK AND SETTING of architectural terra cotta on above.

Contractor...Fred L. Preston, 337 Eddy San Francisco.

Filed Apr. 5, '15. Dated Mar. 29, '15.

Payments same as above.....

TOTAL COST, \$9198

Bond, \$4599. Sureties, The Aetna Accident & Liability Co. Limit, July 1, 1915. Forfeit, none. Specifications only filed.

(1020) SHEET METAL WORK AND roofing on above.

Contractor...Forderer Cornice Works, 269 Potrero Ave., S. F.

Filed Apr. 5, '15. Dated Mar. 29, '15.

Payments same as above.....

TOTAL COST, \$1050

Bond, \$550. Surety, National Surety Co. Limit, Aug. 1, 1915. Forfeit, none. Specifications only filed.

(1021) INTERIOR AND EXTERIOR lath and plaster on above.

Contractor...Hermann Bosch, 740 DuBois Ave., San Francisco.

Filed Apr. 5, '15. Dated Apr. 1, '15.

Payments same as above.....

TOTAL COST, \$3780

Bond, \$1890. Surety, Massachusetts Bonding & Insurance Co. Limit, Nov. 1, 1915. Forfeit, none. Specifications only filed.

(1022) PLUMBING, ETC., ON ABOVE

Contractor...Frederick W. Snook Co., 596 Clay, San Francisco.

Filed Apr. 5, '15. Dated Mar. 31, '15.

Payments same as above.....

TOTAL COST, \$3988

Bond, \$1994. Surety, United States Fidelity & Guaranty Co. Limit, as required. Forfeit, none. Specifications only filed.

ALTERATIONS

(1023) ON GEARY NEAR FILLMORE Remodeling and alterations for brick synagogue building.

Owner.....The Congregation Beth Israel, 1839 Geary, S. F.

Architect...Glenn Allen, 941 Monadnock Bldg., S. F.

Contractor...D. O. Church Co., 68 Post, San Francisco.

Filed Apr. 5, '15. Dated Mar. 29, '15.

On 1st and 15th of each month 75%

Usual 35 days..... 25%

TOTAL COST, \$3409

Mond, \$1750. Surety, The Aetna Accident & Liability Co. Limit, 35 days after April 8. Forfeit, none. Plans and specifications filed.

CONCRETE FOUNDATION

(1024) S CALIFORNIA 137-6 W Taylor W 137-6xS 137-6. Concrete foundation work for five-story and basement apartments.

Owner.....Towne Realty Co., 166 Geary, San Francisco.

Architect...None.

Contractor...John Spargo, 240 Montgomery, San Francisco.

Filed Apr. 5, '15. Dated Apr. 3, '15.

Completion\$810

Usual 35 days.....Balance

TOTAL COST, \$1085

Bond, \$550. Surety, Pacific Coast Casualty Co. Limit, 12 days. Forfeit, \$20. Plans and specifications filed.

FRAME DWELLING

(1025) E NAPLES 100 N Athens. One story and basement frame dwelling.

Owner.....John Bjorkman, 45 Cordova, San Francisco.

Architect...None.

Contractor...Fred Holmes, 45 Cordova, S. F.

COST, \$1600

ELECTRIC SIGN

(1026) NO. 240 O'FARRELL. Electric sign.

Owner.....Mrs. L. B. Faught, Prem.

Architect...None.

Contractor...Moise-Klinkner, 1212 Market, San Francisco.

COST, \$400

FRAME OFFICE

(1027) NO. 137 ELEVENTH. One-story frame office.

Owner.....G. Weissbaum & Co., 137 11th, San Francisco.

Architect...None.

Day's work. COST, \$500

FRAME STORE AND FLATS

(1028) S GEARY 107-6 E 19th Ave. Two-story frame store and (2) flats.

Owner.....E. Coleman, 5516 Geary, San Francisco.

Architect...None.

Day's work. COST, \$3000

ALTERATIONS

(1029) NO. 325 WILDE. Alter dwlg.

Owner.....Carl N. Moehl, Premises.

Architect...None.

Contractor...C. Wedsted, 81 Arleta Ave., San Francisco.

COST, \$400

FRAME STORE AND DWELLING

(1030) SE SAN JOSE AND LIEBIG. One-story frame store and dwelling.

Owner.....Mrs. Annie Shaytor, 532 2d Ave., San Francisco.

Architect...None.

Contractor...L. M. Coggins, 115 Turk, San Francisco.

COST, \$1000

ELECTRIC SIGN

(1031) NO. 1414 VAN NESS AVE. Electric sign.

Owner.....Firestone Tire Co., Prem.

Architect...None.

Contractor...Novelty Elec. Sign Co.

COST, \$400

FRAME DWELLING

(1032) W ANDERSON 100 N Ogden. One-story and basement frame dwlg.

Owner.....Harry Wilson, 79 Cumberland, San Francisco.

Architect...None.

Contractor...Geo. Hobson, 1345 Gough, S. F.

COST, \$400

FRAME DWELLING

(1033) S NAYLOR 66 S Chicago Way. One-story and basement frame dwlg

Owner.....J. W. Powers, 3351 18th, San Francisco.

Architect...None.

Day's work. COST, \$1000

FRAME STORE

(1034) W CLEMENT 80 E 15th Ave. One-story frame store.

Owner.....S. Oswald, 914 McAllister, San Francisco.

Architect...None.

Day's work. COST, \$1000

GATE AND STONE FENCE

(1035) E GOUGH 100 N Clay. Erect gate and stone fence.

Owner.....J. A. Buck, 2004 Gough, San Francisco.

Architect...None.

Contractor...Raymond Granite Works, 2 Potrero Ave., S. F.

COST, \$600

REPAIRS

(1036) NO. 26 SPOFFORD ALLEY. Repair fire damage.

Owner.....L. C. Babin Co., 423 Kearny, San Francisco.

Architect...None.

Day's work. COST, \$1182

ADDITION

(1037) E TREAT 50 N 23rd. Add to planing mill.

Owner.....J. H. Kruse, 23rd and Folsom, San Francisco.

Architect...None.

Day's work. COST, \$400

ADDITION

(1038) SW FILLMORE & VALLEJO. Add one room.

Owner.....Mrs. P. C. Rossi, Premises.

Architect...J. H. Powers, 460 Montgomery, San Francisco.

Contractor...J. Biller, 460 Montgomery, San Francisco.

COST, \$800

ALTERATIONS

(1039) NO. 529 VALLEJO. Alter flats.

Owner.....A. Cadenasso, 299 Bay, San Francisco.

Architect...None.

Day's work. COST, \$400

FRAME RESIDENCE

(1040) W OCTAVIA 125 N Broadway W 137-6xN 25. Excavation, concrete,

carpenter, lath, plaster, fire place, patent flues, glass and glazing, sheet

metal, cementing for two-story and basement frame residence.

Owner.....Belle A. Weeks, Fairmont Hotel, San Francisco.

Architect...Smith O'Brien, Humboldt Bank Bldg., S. F.

Contractor...L. N. Vezina, 180 Jessie, San Francisco.

Filed Apr. 5, '15. Dated Apr. 3, '15.

Frame up\$1500

Exterior cementing and white

coat plaster done 1500

Completed and accepted..... 1500

Usual 35 days..... 1500

TOTAL COST, \$6000

Bond, \$3000. Sureties, D. O. Druffel and Fred H. Beaver. Limit, July 10.

Forfeit, \$10. Plans and specifications filed.

(1041) SEWERING, PLUMBING, GAS piping, gas radiator and other work on above.

Contractor...E. C. Curtis, 403 Sth, S. F. Filed Apr. 6, '15. Dated Apr. 3, '15.

Roughed in\$350
Completed 343
Usual 35 days..... 232

TOTAL COST, \$925

Bond, none. Limit, July 20. Forfeit, \$5. Plans and specifications filed.

(1042) ELECTRIC WORK ON ABOVE Contractor...Globe Elec. Works, 1959 Mission, San Francisco.

Filed Apr. 6, '15. Dated Apr. 3, '15. Completed and accepted.....\$188

TOTAL COST, \$188

Bond, none. Limit, July 25. Forfeit, none. Plans and specifications filed.

(1043) PAINTING, STAINING, VARNISHING, canvas, tinting and labor, putting on paper on above.

Contractor...E. W. Cameron. Filed Apr. 6, '15. Dated Apr. 3, '15.

One-half completed\$200
All completed 260

TOTAL COST, \$460

Bond, none. Limit, July 29. Forfeit, none. Plans and specifications filed.

ALTERATIONS

(1044) NO. 631 GUERRERO. Alter store room.

Owner.....S. F. Casket Co., Premises. Architect...None.

Contractor...T. Healey, 1786 Market, San Francisco.

COST, \$900

ALTERATIONS

(1045) SE BROMPTON AND JOOST. Alter grocery.

Owner.....A. Bellantoni, 4458 Mission San Francisco.

Architect...None.

Contractor...R. F. Howard, 2407 Howard, San Francisco.

COST, \$400

ADDITION

(1046) NO. 668 FOURTH AVE. Add to front for garage.

Owner.....E. G. Pidgion, Premises. Architect...None.

Day's work. COST, \$400

ADDITION

(1047) NO. 222 LAUSSAT. Add bath room.

Owner.....L. Hagman, 931 Fell, S. F. Architect...None.

Day's work. COST, \$400

ALTERATIONS

(1048) W FORTY-SIXTH AVE 150 N Kirkham. Alter dwelling.

Owner.....C. Grunig, 1469 46th Ave., San Francisco.

Architect...None.

Day's work. COST, \$700

ALTERATIONS

(1049) SE PINE AND MONTGOMERY Erect hollow tile partitions with transom lights, new plumbing, tile walls, etc.

Owner.....Western Union Telegraph Co., 256 Montgomery, S. F.

Architect...None.

Day's work, COST, \$1200

FRAME FACTORY

(1050) NO. 1272 TWELFTH AVE (rear). One-story frame factory.

Owner.....Asa H. Wangaman, Prem. Architect...None.

Day's work. COST, \$400

ALTERATIONS

(1051) E CHENERY 118 S Mateo. Alter and add to two-story frame building.

Owner.....John Hall, 411 Chenery, San Francisco.

Architect...M. J. Welsh, 22nd and Howard, San Francisco.

Day's work. COST, \$1000

FRAME SALOON

(1052) SW ARTHUR & RAIL ROAD Ave. One-story frame saloon.

Owner.....Henry Levy. Architect...None.

Day's work. COST, \$500

BALCONY

(1053) NO. 238 BUSH. Erect balcony. Owner.....Mills Estate, Mills Bldg., San Francisco.

Architect...None.

Contractor...Bogart & Crawford, 215 Mills Bldg., S. F.

COST, \$750

FRAME RESIDENCE

(1054) W TWELFTH AVE 175 N Anza. Two-story and basement frame residence.

Owner.....J. C. Kirby, 2152-A Market, San Francisco.

Architect...None.

Day's work. COST, \$3000

FRAME STORES

(1055) NW HAYES AND CENTRAL Ave. One-story frame stores.

Owner.....C. J. & W. J. Keenan, Hayes & Central Ave., S. F.

Architect...None.

Day's work. COST, \$3000

FRAME FLATS

(1056) W EIGHTEENTH AVE 75 S California S 75xW 120. All work for three two-story and basement frame buildings (flats).

Owner.....Grace Yager, 1539 Clay, San Francisco.

Architect...None.

Contractor...W. W. Yager, 1545 California, San Francisco.

Filed Apr. 7, '15. Dated Apr. 7, '15.

Roofs on\$3375

Finish coat plaster on..... 3375

Completed and accepted..... 3375

Usual 35 days..... 3375

TOTAL COST, \$13,500

Bond, none. Limit, 85 days. Forfeit, none. Plans and specifications filed.

NOTE:—1st report April 2d, No. 1002

FRAME FLATS

(1057) W HARTFORD 219 S 19th. Excavation, filling, brick work, fire place, mosaic, terra cotta, marble, concrete, reinforced work, cement floors, inside plastering and tiling for three-story and basement frame flats.

Owner.....Hugo Arrigoni, 4107 19th, San Francisco.

Architect...C. O. Clausen, Hearst Bldg San Francisco.

Contractor...L. Dioguardi, 889 Filbert, San Francisco.

Sub-Contractor...M. Bertolino, 321 Guerrero, San Francisco.

Filed Apr. 7, '15. Dated Mar. 17, '15.

When contractor receives 1st

payment 300

When contractor receives 2nd

payment\$300

On completion 400

On receipt of last payment..Balance

TOTAL COST, \$1517

Bond, limit, forfeit, plans and specifications, none.

FRAME DWELLING

(1058) E DE HARO 75 S 22nd. One and one-half-story and basement frame dwelling.

Owner.....F. Bresnoff, 1017 De Haro, San Francisco.

Architect...M. J. Welsh, SW 22nd and Howard, San Francisco.

Contractor...John Rudometkin, 871 Rhode Island, S. F.

COST, \$1000

FRAME FLATS

(1059) N VALLEJO 215 E Kearny. Three-story and basement frame (3) flats.

Owner.....C. and E. Tocalino & Bro., 442 Vallejo, San Francisco.

Architect...J. Devencenzi, 1069 Union, San Francisco.

Contractor...Devencenzi Bros., 1069 Union, San Francisco.

COST, \$5000

FRAME FLATS

(1060) N VALLEJO 215 E Kearny (rear). Three-story and basement frame (3) flats.

Owner.....C. and E. Tocalino & Bro., 442 Vallejo, San Francisco.

Architect...J. Devencenzi, 1069 Union, San Francisco.

Contractor...Devencenzi Bros., 1069 Union, San Francisco.

COST, \$4000

FRAME FLATS

(1061) N CHESTNUT 120 W Grant Ave. Two-story and basement frame (2) flats.

Owner.....Elvin Mori, 326 Chestnut, San Francisco.

Architect...L. Traverso, 854 Union, San Francisco.

Day's work. COST, \$3500

REPAIRS

(1062) NO. 166 DUNCAN. Repair fire damage.

Owner.....F. Ingmanson, Premises. Architect...None.

Contractor...A. Olsen, 289 Fell, S. F.

COST, \$1400

FRAME DWELLING

(1063) E GATES 50 S Jarboe. One-story and basement frame dwelling.

Owner.....L. Feviero, 3289 Mission, San Francisco.

Architect...None.

Contractor...Louis J. Roberts, 557 Dolores, San Francisco.

COST, \$1600

ALTERATIONS

(1064) NW GRANT AVE AND POST. Alter loft, install hollow tile partitions, hardwall plaster, oak trim with furred ceiling for Class "A" office building.

Owner.....Crocker Hotel Co. 812 Shreve Bldg., S. F.


Architect...None.

Contractor...Mahony Bros., 923 Crocker Bldg., San Francisco.

COST, \$10,000

ALTERATIONS

(1065) NOS. 19 AND 21 SANSOME.



**Structural Steel
Contractors**

**Works at
HARRISON ST.,
bet. 8th & 9th
San Francisco**

Telephone Market 337

Alter for passenger elevator, new grille doors, and alter side walk elevator.

Owner.....Alex D. Keyes et al, Humboldt Bank Bldg., S. F.
Architect...None.
Contractor...San Francisco Elevator Co. 860 Sansome, S. F.
COST, \$1850

BRICK STORES

(1066) E FILLMORE 83 S Ellis. One-story brick stores.
Owner.....John Rosenfeld's Sons, 1024 Merchants' Exchange Bldg., San Francisco.
Architect...None.
Contractor...Harold Braunton, 185 Stevenson, San Francisco.
COST, \$3000

FRAME RESIDENCE

(1067) E ASHBURY TERRACE 55 S Piedmont. Two-story and basement frame residence.
Owner.....H. W. Bode, 430 Fair Oaks San Francisco.
Architect...None.
Contractor...Antone Petersen, 844 Guerrero, San Francisco.
COST, \$6000

FRAME DWELLING

(1068) W SAN FERNANDO WAY 145 S St. Francis Boulevard. Two-story and basement frame dwelling.
Owner.....St. Francis Home Bldg. Co., 80 Post, San Francisco.
Architect...Henry H. Gutterson, 80 Post, San Francisco.
Contractor...Mason-McDuffie Co., 80 Post, San Francisco.
COST, \$5000

FRAME DWELLING

(1069) W SAN RAFAEL WAY 70.20 N Monterey Blvd. Two-story and basement frame dwelling.
Owner.....St. Francis Home Bldg. Co., 80 Post, San Francisco.
Architect...Henry H. Gutterson, 80 Post, San Francisco.
Contractor...Mason-McDuffie Co., 80 Post, San Francisco.
COST, \$5000

ALTERATIONS

(1070) NO. 437 MARKET. Alter and repair for restaurant. Change front and make repairs in basement, et.
Owner.....E. A. Cutter, 6th bet. Grayson and Snyder Ave., Berkeley.
Architect...E. G. McDougall, Sheldon Bldg., San Francisco.
Contractor...H. J. Sattin, 2147 Center, Berkeley.
COST, \$5000

FRAME DWELLING

(1071) E PRESIDIO AVE 150 S. Cal-

fornia. One-story and basement frame dwelling.

Owner.....E. Hinton, 1142 Valencia, San Francisco.
Architect...E. Essman, 24th & Church, San Francisco.
Contractor...L. J. Deilco, 1554 Leavenworth, San Francisco.
COST, \$1825

FRAME RESIDENCE

(1072) W FIFTEENTH AVE 275 N California N 25xW 135-6. All work for two-story and basement frame residence.
Owner.....Jeannette Lewis.
Architect...Edw. G. Bolles, 660 Market, San Francisco.
Contractor...G. W. Boxton & Son, Hearst Bldg., S. F.
Filed Apr. 8, '15. Dated Apr. 5, '15.
1st floor joists in place.....\$ 760
Roof on 760
Rough plaster on..... 760
Completed and accepted..... 770
Usual 35 days..... 1020
TOTAL COST, \$4070

Bond, \$2035. Surety, New Amsterdam Casualty Co. Limit, 90 days. Forfeit, \$5. Plans and specifications filed.

FRAME DWELLING

(1073) E TWENTY-NINTH AVE 375 S Clement S 25 E 136-1% NW 25-1% W 133-9% O L 209. All work for two story frame dwelling.
Owner.....M. S. and Margit E. Housken, 310 25th Ave., San Francisco.
Architect...None.

Contractor...Thos. Hamill, 268 25th Ave., San Francisco.
Filed Apr. 8, '15. Dated Apr. 8, '15.
Rough frame up and roof on....\$600
Brown coated 600
Completed and accepted..... 600
Usual 35 days..... 600
TOTAL COST, \$2400

Bond, none. Limit, 70 days after April 6, 1915. Forfeit, none. Plans and specifications filed.

BRICK WORK

(1074) N OAK 157-6 W Van Ness Ave W 89-9 N 120 E 68-9 — 40 E 21 S 80. Rough and glazed brick for swimming pool for reinforced concrete and steel building.
Owner.....The Young Men's Institute Hall Association.
Architect...W. D. Shea, 244 Kearny, San Francisco.
Contractor...Fennell & Wand.
Filed Apr. 8, '15. Dated Mar. 20, '15.
On 1st of each month..... 75%
Usual 35 days..... 25%
TOTAL COST, \$1065

Bond, \$533. Surety, Casualty Co. of America. Limit, 40 days from April 1. Forfeit, \$5. Plans and specifications filed.

(1075) MARBLE FOR STEEL AND reinforced concrete building.
Contractor...The Mission Marble Wks., 363 Guerrero, S. F.
Filed Apr. 8, '15. Dated Mar. 20, '15.
Payments same as above.....

TOTAL COST, \$5750
Bond, \$2875. Surety, Casualty Co. of America. Limit, 40 days from April 1. Forfeit, \$5. Plans and specifications filed.

(1076) FLOOR AND WALL TILING on above.
Contractor...Lowry & Daly, 1553 Page, San Francisco.

Filed Apr. 8, '15. Dated Mar. 20, '15.
Payments same as above.....
TOTAL COST, \$5300
Bond, \$2650. Surety, Casualty Co. of America. Limit, 30 days after ready for laying tile. Forfeit, \$5. Plans and specifications filed.

FRAME COTTAGE

(1077) LOT 12 BLK 23 Lakeview, being Jules Ave., bet Holloway and Demontford. All work for five-room frame cottage.
Owner.....Elizabeth Hunter, 226 Jules Ave., San Francisco.
Architect...None.

Contractor...D. Houle, 660 Market, San Francisco.
Filed Apr. 8, '15. Dated Apr. 7, '15.
Frame up\$525
Brown coated 525
Completed 525
Usual 35 days..... 525
TOTAL COST, \$2100

Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications filed.

FRAME DWELLING

(1078) W COLBY 200 S Woolsey. One-story and basement frame dwlg.
Owner.....John Breheny, 32 Chenery, San Francisco.
Architect...None.
Contractor...John Regar, 957 Alabama, San Francisco.
COST, \$400

ALTERATIONS

(1079) NO. 1911 LEAVENWORTH. Concrete floor and alter for garage.
Owner.....David Atkins, Premises.
Architect...None.
Contractor...H. Whittle, 1094 Union, San Francisco.
COST, \$450

FRAME RESIDENCE

(1080) W NINTH AVE 250 N Moraga. Two-story and basement fraeme residence.
Owner.....Alpheus Duffee, 685 Dolores San Francisco.
Architect...None.
Day's work. COST, \$3000

FRAME DWELLING

(1081) N RESERVOIR 200 E Church. One-story and basement frame dwlg.
Owner.....Owen Slewin, 115 Church, San Francisco.
Architect...None.
Day's work. COST, \$600

BRICK GARAGE

(1082) E VALENCIA from Clarion & Sycamore. One-story brick garage.
Owner.....P. A. MacDonald, 244 Kearny, San Francisco.
Architect...None.
Day's work. COST, \$10,000

FRAME STORE AND FLATS

(1083) S CLEMENT 25 W Seventeenth

Ave. Two-story and basement frame store and (2) flats.
Owner.....Henry Jacks, 5426 California, San Francisco.
Architect...None.
Day's work. COST, \$2300

FRAME DWELLING
(1084) E LEBIG 125 S San Jose Ave.
One-story and basement frame dwlg.
Owner.....Oscar Heyman & Bro., 742 Market, San Francisco.
Architect...None.
Day's work. COST, \$1950

FRAME DWELLING
(1085) E TWENTY-THIRD AVE 75 N Irving.
One-story and basement frame dwelling.
Owner.....Oscar Heyman & Bro., 742 Market, San Francisco.
Architect...None.
Day's work. COST \$1950

FRAME DWELLING
(1086) W TWENTY-THIRD AVE 25 N Anza.
Two-story and basement frame dwelling.
Owner.....D. J. Clancy, 2884 Folsom, San Francisco.
Architect...W. H. Rhodes, 3372 16th, San Francisco.
Day's work. COST, \$3000

FRAME DWELLING
(1087) E JORDAN AVE 196-8 N Geary
Two-story and basement frame dwlg.
Owner.....Jacob Samuels, Mills Bldg., San Francisco.
Architect...Bernard J. Joseph, 447 New Call Bldg., S. F.
Contractor...Thos. Scoble, 363 14th Ave., San Francisco.
COST, \$7500

FRAME DWELLING
(1088) E THIRD AVE 179 N Fulton.
Two-story and basement frame dwlg.
Owner.....Lewis F. Byington, 32 Montgomery, S. F.
Architect...C. E. McCrea, Oakland.
Contractor...Moore & Watson, 212 Sharon Bldg., S. F.
COST, \$3000

FRAME STORE
(1089) NW BALBOA AND 19TH AVE
One-story and basement frame store.
Owner.....G. Siebrecht, SE Jones and Ellis, San Francisco.
Architect...None.
Contractor...Munster & Bornholdt, 1530 Broderick, S. F.
COST, \$2900

FRAME DWELLING
(1090) S JACKSON 206-3 E Webster E 25xS 127-10½; S Jackson 181 E Webster E 25-3xS 127-6. All work for two-story and basement frame dwelling plaster and wood exterior.
Owner.....William Matson, 268 Market, San Francisco.
Architect...William C. Hays, 1st National Bank Bldg., S. F.
Contractor...W. D. Henderson, Monadnock Bldg., S. F.
Filed Apr. 9, '15. Dated Apr. 8, '15.
Frame up 25%
Plastered 25%
Completed and accepted..... 25%
Usual 25 days..... 25%
TOTAL COST, \$14,300
Bond, \$7150. Surety, Massachusetts Bonding Insurance Co. Limit, 100 days from recording. Forfeit, none. Plans and specifications filed.

METAL WORK, ETC.
(1091) N WASHINGTON 137-6 W Octavia W 137-6xN 255-4½. Sheet metal, galvanized iron, copper, lead and Kalamine work, skylights, lining of dumb waiter and clothes chute flashings, gutters & valleys, hoppers, leader pipes, metal windows and elevator doors for three-story and basement Class "C" residence and garage.
Owner....Mary Louise Phelan, 1840 California, S. F.
Architect...Chas. Peter Weeks, Mutual Bank Bldg., S. F.
Contractor...Forderer Cornice Works, 269 Potrero Ave., S. F.
Filed Apr. 9, '15. Dated Mar. 24, '15.
On 1st of each month..... 75%
Usual 35 days..... 25%
TOTAL COST, \$1895
Bond, \$947.50. Surety, U. S. Fidelity & Guaranty Co. Limit, 60 days. Forfeit, none. Plans and specifications filed.

ALTERATIONS
(1092) N THIRTEENTH 80 W Harrison. Alterations and finish building.
Owner.....W. Y. Lawton, 48 Trainor, San Francisco.
Architect...None.
Contractor...V. Gullmes, 15 Fountain, San Francisco.
Filed Apr. 9, '15. Dated Apr. 2, '15.
Rough plaster completed.....\$336
Acceptance 346
Usual 35 days..... 300
TOTAL COST, \$982
Bond, none. Limit, 60 days. Forfeit, none. Plans and specifications, none.

NOTICE OF NON-LIABILITY.

Apr. 5, 1915—NW GOUGH & SUTTER N 50xW 137-6. M Israel as to improvements on leased property....
Apr. 6, 1915—N SUTTER 32-7 m or l E Steiner E 70 m or l by N 70 m or l. Emma Gates Butler as to improvements on leased property...
Apr. 6, 1915—NW FILLMORE AND Eddy S 137-6 W 137-6 S 137-6 E 137-6. John R Hanify as to improvements on leased property....

NOTICE OF NON-RESPONSIBILITY.

Apr. 8, 1915—LOT 25 BLK 6438, Crocker Amazon Tract Sub No. 2. Crocker Estate Co as to improvements on leased property.....
Apr. 6, 1915—SW SUTTER & POLK W 68-9xS 137-6. M H de Young as to improvements on leased property
Apr. 9, 1915—E GREAT HIGHWAY 162.70 S Ortega S 100.12 E 141.10 N 100 W 146.14. Wm J MacLeod as to improvements on leased property

CO-PARTNERSHIP.

A Biagi and O. Marini as Call Market

INCORPORATIONS

The River Current Control Company, to operate and produce a certain patent. Capital stock, \$100,000; 1,000 shares at \$100 each. Amount subscribed \$500. Place of business, San Francisco. Subscribers—H. B. Holcomb, P. L. Kamp, H. Davenport, J. S. Cook, H. L. Chase, 1 share each.
Excel Players Film Association; to produce, show and deal in motion pictures. Capital stock, none. Member-

ship fee, \$100. Amount subscribed, \$140. Place of business, San Francisco. Seven directors.

Mexican National Development Company; to develop real estate for general business. Capital stock, \$50,000; 10,000 shares at \$5 each. Amount subscribed, \$15. Place of business, San Francisco. Subscribers, A. H. Blackiston, T. F. Cooke, Clarence M. Oddie, 1 share each.

The San Francisco Egg Noodle Manufacturing Company. To manufacture, buy and sell egg noodles. Capital Stock, \$50,000; 50,000 shares at \$1 each; amount subscribed, \$25,004. Place of business, San Francisco. Directors—M. Wenher, S. Winther, C. Johnson, J. D. Cohn, 1 share each; B. Winther, 25,000 shares.

Oleo Products Co. To deal in paints, paint materials and oils. Capital Stock, \$150,000; 150,000 shares at \$10 each; amount subscribed, \$5. Place of business, San Francisco. Directors—N. H. Welburn, A. Graden, E. Sebu, A. Camientti, r., F. C. Patterson, 1 share each.

California Cloak & Suit Manufacturing Company. General manufacturing business of ladies', mens' and childrens' garments. Capital Stock, \$10,000; 1000 shares at \$10 each; amount subscribed, \$30. Place of business, San Francisco. Directors—L. Domb, M. Warshawsky, and C. Friends, 1 share each.

State Range Mining Company. To locate and develop mining claims. Capital Stock, \$25,000; 25,000 shares at \$1 each; amount subscribed, \$25. Place of business, San Francisco. Directors T. H. Sadler, Wm. C. Wyrich, C. R. Wyrich, F. Meyer and J. R. Rogers, 5 shares each.

Clay Social Club. Social. No Capital Stock. Place of business, San Francisco. 5 directors.

U. S. Electric Inc. To manufacture and deal in electric machinery and appliances. Capital Stock, \$25,000; 25,000 shares at \$1 each; amount subscribed, \$3. Place of business, San Francisco. Directors—J. H. Welsh, C. E. Doty and A. L. McPherson, 1 share each.

LEASES.

Apr. 3, 1915—SW GROVE & LAGUNA W 81-3xS 120. A S Johnson to Jacob and David Pantoskey. 1 year. \$3000
Apr. 6, 1915—S JESSIE AND NEW Montgomery SW 263-4 m or l x SE 68 m or l. Sharon Estate Co to Call Publishing Co. 20 year, \$907,999.20.
Apr. 7, 1915—PTN OF HOTEL CHANCELLOR on W Powell 92 N Post. Louis Palmer to Leo Paul. 5 years. \$225 per month.
Apr. 7, 1915—1275 KENTUCKY NE Cor. 20th. Mrs. Margaretta Hollman to L N Leboire and C J Stuart. 3 years \$55 per month.
Apr. 7, 1915—NO. 2977 TWENTY-FIRST George F Quill and Ann Quill (wf) to Angelo Bertuccelli. 5 years. \$37 per month.

COMPLETION NOTICES.

San Francisco

Apr. 1, 1915—S FARRALONES 150 E Capitol Ave ptn Lot 1 Blk "J" R R Hd. Luigi Ceschini to Alexander LopezMar. 31, 1915
April 3, 1915—S UNION 265-10 W Baker W 25xS 150. W. W. Red-

hall to whom it may concern.....
April 2, 1915
 April 3, 1915—N FRANCISCO 60 E
 Octavia E 60xN 100. Panama-Paci-
 Apr. 5, 1915—N CLAY 138-6 E Drumm
 No. 68 Clay. B F Brisac and M H
 Norton, Trs to P Hamilton and
 Spencer Elevator Co.....Feb. 19, 1915
 Apr. 5, 1915—S COMMERCIAL 60 E
 Montgomery E 49-9xS 59-6. Paci-
 fic Gas & Electric Co to Peerless
 Agencies Co, Inc.....Apr. 1, 1915
 Apr 5, 1915—NW TWENTY-FOURTH
 Ave and Balboa 77 107-6xN 115-4.
 Pacific Gas & Elec Co to Keystone
 Ornamental Iron & Bronze Works
March 30, 1915
 Apr. 5, 1915—E NINTH AVE 150 S
 Geary S 25xE 120. Harry P Foley
 to whom it may concern..Mar. 10, '15
 Apr. 5, 1915—NW DOUGLASS AND
 19th N 25xW 91-4. R J and B
 Rudebeck to D J & T Sullivan...
March 31, 1915
 Apr. 5, 1915—W NAPLES 75 N Russia
 Ave. W J Kenney to whom it may
 concern.....April 5, 1915
 Apr. 5, 1915—SW CALIFORNIA AND
 Laguna W 27-6xS 107. Wm Men-
 sor to whom it may concern.....
April 3, 1915
 Apr. 5, 1915—E JONES 37-6 S Pine
 E 87-6xS 30. Gerard Invst Co to
 whom it may concern...Apr. 2, 1915
 Apr. 5, 1915—E GRAHAM PLACE
 (Pierce Row) 61-0% S Union S 26x
 E 28-9. J A Delucchi to whom it
 may concern.....Apr. 5, 1915
 April 3, 1915—SW EDDY and Hyde,
 W 137-6xS 137-6. W. E. Dean to
 Golden Gate Iron Works.....
April 2, 1915
 Apr. 6, 1915—½ E BELVEDERE
 77-7% S 17th S 25-0%xE 100. A
 B Harrison to whom it may con-
 cern.....April 2, 1915
 Apr. 6, 1915—NE SIXTEENTH AND
 Capp N 90xE 150. San Francisco
 Labor Council Hall Ass'n to R
 Zelinsky.....Mar. 3, 1915
 Apr. 6, 1915—SW EDDY AND HYDE
 W 137-6xS 137-6. W E Dean to
 Chas H Hock.....Apr. 6, 1915
 Apr. 6, 1915—N CALIFORNIA 75 W
 Leavenworth 32-5x75. H Stephen-
 son Smith to J Gibbs, Apr. 5; G
 Gavaglieri, Apr 5; Gus J Peters..
April 5, 1915
 Apr. 6, 1915—NW POLK & CALI-
 fornia W 56-3 N 87-6 W 25 E 81-3
 S 112-6. Bradbury Estate Invest-
 ment Co and Mary M Bradbury to
 Seibert Co.....Mar. 25, 1915
 Apr. 6, 1915—W ORD 364 N 18th N
 28xW 136 Cornelius and Margaret
 Crowley to whom it may concern
April 8, 1915
 Apr. 6, 1915—W HOWARD 75 N
 Adair N 30xW 125. L H and H R
 Kage to Beach & Heffernan.....
April 5, 1915
 Apr. 7, 1915—NW EDDY & FILL-
 more W 137-6xN 137-6. J R Hani-
 fy to J Spargo.....Apr. 5, 1915
 Apr 7, 1915—NW EDDY & FILLMORE
 W 137-6xN 137-6. J R Hanify to
 A Knowles.....April 5, 1915
 Apr 7, 1915—BAKER & McALLISTER
 Mrs A C Moresi to J Harold John-
 son.....April 5, 1915
 Apr. 7, 1915—W POTRERO AVE 129
 S 19th 25x100. Emiglia Ballestrasi
 to G Cavaglieri.....Apr. 7, 1915
 Apr. 8, 1915—SE HUMBOLDT AND
 Louisiana. Western Sugar Refin-
 ing Co to R L Snell.....Apr. 6, 1915
 Apr 8, 1915—N ELLIS 87-6 E Mason

E 50xN 137-6. Brandt & Stevens
 to P F Hendricks.....Feb. 15, 1915
 Apr. 8, 1915—E CASTRO 76-6 N 21st
 N 25xE 100. Elizabeth King to
 whom it may concern....Apr. 7, 1915
 Apr. 8, 1915—EXPOSITION SITE.
 Panama-Pacific International Ex-
 position Co to The Thomson Bridge
 Co, March 29; Wrightson, Ander-
 son & Yost.....April 5, 1915
 Apr. 8, 1915—E SEVENTEENTH AVE
 50 N Balboa N 25xE 82-6. Wilhel-
 mina Bahrs to W H Bahrs..Apr. 6, '15
 Apr. 9, 1915—E TWENTY-FOURTH
 Ave 175 — S 25xE 120. George F
 Cleese to whom it may concern...
April 8, 1915
 Apr. 9, 1915—LOT 8 BLK "J" Mission
 Terrace. Forrest Bayard Grill and
 Charlotte Grill to whom it may
 concern.....April 7, 1915
 Apr. 9, 1915—S ANZA 79-1 E 24th
 Ave E 50xS 100. Mary H McGaf-
 figan to whom it may concern.....
April 3, 1915
 Apr. 9, 1915—SW LYON & TONQUIN
 (Exposition Site). Panama-Pacific
 Exposition Commission State of
 New York to D S Hess & Co.....
April 9, 1915
 Apr. 9, 1915—SW SIXTEENTH AND
 Howard W 175-6 S 90 E 75-6 N 2-6
 E 100 N 87-6. Mission Consolidated
 Realty Co to Marshall & Stearns..
April 8, 1915

LIENS FILED

SAN FRANCISCO COUNTY.

April 3, 1915—EXPOSITION SITE.
 Henrix Luebbert Mfg Co vs N B
 Pierson, Nango Pango Company,
 and Panama-Pacific International
 Exposition.....\$60.28
 Apr. 5, 1915—S BUSH 103-6 E Grant
 Ave E 34xS 60. John McGuigan
 vs Agnes V Drury and Wm R Bell
\$52
 Apr. 5, 1915—EXPOSITION SITE.
 Ickelheimer Bros Co vs Austrian
 Concessions Co, Panama-Pacific
 International Exposition Co, J H
 Stoutenborspush, Geo Schneider
 and Mrs E M Schneider\$517
 Apr. 6, 1915—S BUSH 103-0% E
 Grant Ave 34-5% xS 60. Diamond
 Brick Co vs Agnes V Drury and
 Wm R Bell\$45
 Apr. 5, 1915—SW CHESTNUT AND
 Van Ness Ave W 120xS 30. Her-
 bert I Lauder vs Ella M Rohliffs B
 Frankel, Jacob Kessler and J H
 Murphy\$377
 Apr. 7, 1915—W COLE 90 N Grove
 W 106-3 N 30 E 106-3 to beg. W H
 Meyers vs Nellie Ryan.....\$380.30
 Apr. 7, 1915—S BUSH 103-6 E Grant
 Ave E 34xS 60. P Grassi & Co vs
 Agnes V Drury and Wm R Bell..\$38
 Apr. 9, 1915—W FOURTH AVE 75 S
 Anza S 25xW 95. Jos Koberling
 vs John F Haner.....\$135
 Apr. 9, 1915—S BUSH 103-6 7 Grant
 Ave — 34 S 60 W 34 N 60. J W
 Schouten & Co vs Wm R Bell and
 Agnes V Drury.....\$70.53

RELEASE OF LIENS

SAN FRANCISCO COUNTY.

April 3, 1915—E UTAH, 150 S 24th,
 S 25xE 100. George Ryan to Mar-
 garet Mullin.....
 April 1, 1915—NW POST AND
 STOCKTON, N 137-6xW 137-6. C.
 C. Morehouse to Blanche M. Bur-

bank.....
 April 3, 1915—NE FOURTH avenue
 and Fulton N 95, E 31-3, S 92, W —.
 Reinhart Lumber & Planing Mill
 Co. to John J. and Genevieve Sul-
 livan and L. C. Wooldridge.....
 Apr. 5, 1915—NE FOURTH AVE &
 Fulton N 95 E 31-3 S 92 W to beg.
 Pioneer Plate & Window Glass Co
 to Jno J Sullivan, Genevieve Sul-
 livan and L C Wooldridge.....
 Apr. 5, 1915—E NINETEENTH AVE
 125 S Geary S 25xE 120. A Seg-
 hieri & Bro, Inc to D Houle and
 John D and Nora Harriss.....
 Apr. 5, 1915—S BROADWAY 100 W
 Polk W 23-6xS 137-6. George
 Rehn to James B Jr and Eva S
 Marke.....

OAKLAND AND ALAMEDA COUNTY.

RESIDENCE — 2 story and base,
 frame, \$2,300. Oakland, Cal. Archi-
 tect, none. Owner, C. E. Carlson, 1512
 Grove street, Berkeley. The dwelling
 will be erected on the west side of
 Thomas street north of Napa street,
 and has been designed for a seven-
 room house with bath and sleeping
 porch. Interior finish will be of pine
 and redwood with some hardwood ve-
 neer. Bed rooms will be finished in
 white enamel. There will be furnace
 heat and open fire places. Mantels
 will be of tile and brick. Tile wain-
 scot will be used in the bath room.
 An automatic water heater is spec-
 ified. Exterior of the dwelling will be
 covered with cement plaster on metal
 lath. Plans are complete and in the
 hands of the owner who will do the
 work by Day Labor.

RESIDENCE — 2 story and base,
 frame, \$3,000. Oakland, Cal. Archi-
 tect, none. Owner, S. G. Rankin, 5659
 Shafter avenue, Oakland. The dwell-
 ing will be erected on the east side
 of Haddon Road north of Excelsior
 Boulevard, and has been designed for
 a six-room house with bath and
 sleeping porch. Interior will be finished
 in pine and redwood with enamel in
 the bed rooms. Hardwood floors will
 be used in the living room, dining
 room and reception hall. There
 will be furnace heat and open fire
 places. Mantels will be of tile. An
 automatic water heater is specified.
 Exterior of the dwelling will be cov-
 ered with cement plaster on metal
 lath. Plans are complete and in the
 hands of the owner who will do the
 work by Day Labor. Materials are
 now being purchased.

SORORITY HOUSE—2 story, attic
 and base, frame, \$15,000. Berkeley,
 Alameda Co., Cal. Architect, G. A.
 Applegarth, Call Bldg., S. F. Owners,
 Delta Delta Sorority, Berkeley. The
 building will be erected on Leroy ave-
 nue, and will be similar to a large re-
 sidence. There will be a large social
 room, library, living room, dining
 room and kitchen on the first floor.
 Upper floors will be arranged for
 sleeping apartments. Interior finish
 will be of pine and redwood, with some
 hardwood veneer. Hardwood floors
 will be used in the principal rooms.
 There will be a central heating sys-
 tem, hot water circulating system and
 vacuum cleaning. Open fire places
 and tile mantels will be used. Bath
 rooms will be finished in tile and
 equipped with showers. Exterior of
 the dwelling will be covered with ce-

ment plaster on metal lath. Plans are now being prepared.

CHURCH—2 story and base, frame, 7,000. Berkeley, Alameda Co., Cal. Architect, Eugene K. Martin, 2193 Battuck avenue, Berkeley. Owners, Phillips M. E. Church. The building will be erected on California street and has been designed for a small chapel, which will include the main assembly hall and Sunday school. Interior finish will be of pine throughout. Some ornamental plaster will be specified. Art glass windows will be installed. Exterior of the building will be covered with cement plaster. Plans are now being prepared.

CHURCH—1 story and base, frame, 6,500. Oakland, Cal. Architect, William A. Newsom, Hewes Bldg., S. F. Owners, Seventh Church of Christ, Scientist. The building will be erected on the west side of Harrison Boulevard north of 24th street, and has been designed in the Classic style. There will be one large main auditorium and Sunday school rooms. Interior will be finished in pine throughout. There will be a central heating system. Art glass windows will be used. The exterior of the building will be covered with cement plaster on metal lath. Plans are nearly complete and figures will be called for shortly.

LIBRARY—2 story and base, brick and stone, \$10,000. Berkeley, Alameda Co., Cal. Architect, W. H. Ratcliff, Jr., First National Bank Bldg., Berkeley. Owners, City of Berkeley. Plans for a new Carnegie Library, which is to be erected on San Pablo avenue near University avenue, are nearly complete. The building will contain two reading rooms, stack room, office for the librarian and assistant. Interior finish will be of pine and redwood with maple floors in the reading rooms. There will be furnace heat. Metal book stacks are specified. Exterior of the building will be covered with pressed brick. Plans will be out for figures in about two weeks. Further mention will be made of the work.

APARTMENT HOUSE—2 story and base, frame, \$8,000. Oakland, Cal. Architects, Oliver & Thomas, Pantages Theatre Bldg., Oakland. Owner's name withheld. The building will be erected at the corner of 55th and Dover streets, and has been designed to contain four apartments of three rooms each. Interiors will be finished in pine and hardwood veneer. Hardwood floors will be used in the living and dining rooms. There will be wall beds and private baths. Plans provide for a central heating system. Bath rooms will be finished in tile. Exterior of the house will be covered with cement plaster on metal lath. Plans are complete and figures will be called for at once.

MARKET—1 story and base, brick, 25,000. Oakland, Cal. Architects, Rousseau & Rousseau, 110 Sutter street, S. F. Owner's name withheld. The building will be erected at the southwest corner of 7th and Washington streets, covering an area of 100 by 60 feet. The building has been designed for a Free Market. Considerable tile will be used. Modern plumbing and electric work is specified. Exterior will be faced with pressed brick rimmed with terra cotta. Plans are now being prepared.

STORES—1 story and base, brick and steel. Cost not stated. Berkeley, Alameda Co., Cal. Architects, Rousseau & Rousseau, 110 Sutter street, S. F. Owner's name withheld. The building will be erected at the southeast corner of College and Ashby and will cover a considerable ground area. There will be several small stores. Interiors will be finished in pine and tile. Patent store fronts are specified. Exterior of the building will be faced with pressed brick. Plans are now being prepared.

STORES—1 story and base, brick and steel, \$30,000. Berkeley, Alameda Co., Cal. Architect, James W. Plachek, Acheson Bldg., Berkeley. Owner, W. J. Acheson. The building will be erected at the corner of Home and University, and has been designed for several modern stores. Interiors will be finished in pine and tile. Patent store fronts are specified. Exterior of the building will be faced with pressed brick trimmed with terra cotta. Plans are complete and figures are being taken.

Contracts Awarded.

CHURCH—2 story and base, brick and steel, \$63,000. Oakland, Cal. Architect, William A. Newsom, David Hewes Bldg., S. F. Owners, Second Church of Christ, Scientist. Contractors, Van Sant-Houghton Co., Hooker-Lent Bldg., S. F., general construction. Contract price, \$63,000. Heating and ventilating, J. C. Hurley, S. F. Contract price not stated. ?

Building Contracts Awarded.

Oakland.

No.	Owner.	Contractor	Amt.
598	Magill	Bassitt	3400
599	Antone	Sutton	1450
600	Ormsby	Rogers	1100
601	Carlson	Carlson	3300
602	Greenwood	Doss	2540
603	Grayson	Andresen	3670
604	Alta Pdm't	Scott	5942
606	Cavallo	Cavallo	1750
607	Cambra	Vargas	900
608	Cavallo	Cavallo	1750
609	Hillen	Hillen	2500
610	Hillen	Hillen	2500
611	Hillen	Hillen	2500
612	Lima	Lima	400
613	MacGregor	MacGregor	1575
614	Same	Same	1575
615	Same	Same	1575
616	Farris	Farris	2000
617	Seely	Rockwell	600
618	Neary	Neary	450
624	Forge	Harrie	2550
627	Crammer	Crammer	400
628	Bischoff	Bischoff	2000
629	Woodburn	Woodburn	2500
630	Burnett	Burnett	2300
631	Woods	Woods	1800
632	Cavanagh	Strang	2000
634	Lewis	Mitchell	2000
635	Same	Same	2000
636	Same	Same	2000
637	Howard	Howard	500
638	City of Okd.	Bos	11000
639	Winchell	Bash	500
640	Hinch	Hinch	500
641	Kolen	Kolen	2000
643	Maylan	Masten	2000
644	Ranklin	Ranklin	3000
645	Milton	Bertelsen	9888
646	Westphal	Schnebley	2800
650	Hudson	Hudson	1000
651	Kirchel	Kirchel	2900
652	Rischmuller	Stewart	2000
653	Oakland	Clinton	142000
656	Hadler	Taylor	400
657	Howe	Frostholm	400

(599) W E-FIFTEENTH ST, 127 E 41st avenue, Oakland. One-story, five-room dwelling. Owner.....F. A. Antone, 4114 E-15th street, Oakland.

Architect,...None.

Contractor...J. F. Sutton, 3520 Douglas street, Oakland.

COST, \$1450

(600) N FORTY-FOURTH ST., 150 W West street, Oakland. One-story, four-room dwelling.

Owner.....Edgar L. Ormsby, 39 Monte Vista Ave., Oakland.

Architect,...None.

Contractor...Chas. Rogers, 5426 Boyd Ave., Oakland.

COST, \$1100

(601) W THOMAS, 126 N Napa street, Oakland. Two-story, seven-room dwelling.

Owner.....C. E. Carlson, 1512 Grove street, Berkeley.

Architect,...None.

Day's work.

COST, \$3300

FRAME DWELLING AND GARAGE

(602) E LUSK 174 from N line Apgar E 123.36 N 45, Oakland. All work for one and one-half-story six-room frame dwelling and garage.

Owner.....Mary E. Greenwood, Okd.

Architect....None.

Contractor...C. A. Doss, 2028 E-15th, Oakland.

Filed Apr. 5, '15. Dated Apr. 2, '15.

Frame up	1/4
Brown coated	1/4
Completed	1/4
Usual 35 days.....	1/4

TOTAL COST, \$2540

Bond, \$1270. Surety, New Amsterdam Casualty Co. Limit, 90 days after Apr. 1, 1915. Forfeit, none. Plans and specifications filed.

ALTERATIONS

(603) NE SEVENTH AND MADISON, Oakland. Raise house, excavate basement and build store underneath. Owner.....Jos. R. Grayson, 134 7th, Oakland.

Architect....None.

Contractor...H. C. Andresen, 1229 Pearl Alameda.

Filed Apr. 5, '15. Dated Apr. 5, '15.

Raised, foundation and excavating completed	1/4
Brown coated	1/4
Completed	1/4
Usual 35 days.....	1/4

TOTAL COST, \$3670

Bond, \$1835. Sureties, C. J. Hammond and W. H. Carr. Limit, 60 days. Forfeit, none. Plans and specifications filed.

FRAME DWELLING

(604) LOT 45 and Ptn Lot 46 lying W line drawn parallel to W line Lot 46 and distant at L 10 E therefrom Map Crocker Highlands, Oakland. All work for two-story frame dwlg.

Owner.....Alta Piedmont Land Co., Oakland Bank of Savings Bldg., Oakland.

Architect...Henry H. Gutterson, 80 Post, San Francisco.

Contractor...George A. Scott, 685 23rd, Oakland.

Filed Apr. 5, '15. Dated Mar. 31, '15.

Frame up	1/4
Brown coated	1/4
Completed and accepted.....	1/4
Usual 35 days.....	1/4

TOTAL COST, \$5942

Bond, \$3000. Surety, Southwestern Surety Ins. Co. Limit, 105 days. Forfeit, \$5. Plans and specifications filed.

DWELLING

(606) W OPAL 7 N 41st, Oakland.
One-story 4-room dwelling.
Owner...James F. Cavallo, 4322 San
Pablo Ave., Oakland.
Architect...None.
Day's work. COST, \$1750

DWELLING

(607) E 91ST AVE 150 S E-14th, Oak-
land. One-story 4-room dwelling.
Owner...Tony Cambra, 969 3rd, Okd
Architect...None.
Contractor...Frank Vargas, 537 Union,
Oakland. COST, \$900

DWELLING

(608) W OPAL 40 N 41st, Oakland.
One-story 4-room dwelling.
Owner...James F. Cavallo, 4322 San
Pablo Ave., Oakland.
Architect...None.
Day's work. COST, \$1750

DWELLING

(609) E SIXTY-SECOND AVE 200 N
Fortune Way, Oakland. One-story
5-room dwelling.
Owner...R. C. Hillen, 430 Haight
Ave., Alameda.
Architect...None.
Day's work. COST, \$2500

DWELLING

(610) E SIXTY-SECOND AVE 240 N
Fortune Way, Oakland. One-story
5-room dwelling.
Owner...R. C. Hillen, 430 Haight
Ave., Alameda.
Architect...None.
Day's work. COST, \$2500

DWELLING

(611) N FOOTHILL BOULEVARD 104
W Trask, Oakland. One-story five-
room dwelling.
Owner...R. C. Hillen, 430 Haight
Ave., Alameda.
Architect...None.
Day's work. COST, \$2500

DWELLING

(612) N E-FOURTEENTH 75 E 51st
Ave., Oakland. One-story 1-room
dwelling.
Owner...Manuel Lima, 5132 Ygnacio
Ave., Oakland.
Architect...None.
Day's work. COST, \$400

DWELLING

(613) W CARRON 190 N Hopkins,
Oakland. One-story 5-room dwlg.
Owner...C. M. MacGregor, 470 13th,
Oakland.
Architect...None.
Day's work. COST, \$1575

DWELLING

(614) W CARRON 255 N Hopkins,
Oakland. One-story 5-room dwlg.
Owner...C. M. MacGregor, 470 13th,
Oakland.
Architect...None.
Day's work. COST, \$1575

DWELLING

(615) W CARRON 125 N Hopkins,
Oakland. One-story 5-room dwlg.
Owner...C. M. MacGregor, 470 13th,
Oakland.
Architect...None.
Day's work. COST, \$1575

DWELLING

(616) W OPAL 380 S 42nd, Oakland.
One-story 5-room dwelling.

Owner...W. A. Farris, 16 Monte
Vista Ave., Oakland.

Architect...None.

Day's work. COST, \$2000

ADDITION

(617) NO. 304 ATHOL AVE., Oakland
Addition.
Owner...W. A. Seely, Premises.
Architect...None.
Contractor...G. Rockwell, 2215 Brush,
Oakland.
COST, \$600

ALTERATIONS

(618) NO. 840 FIFTY-EIGHTH, Oak-
land. Alterations.
Owner...Wm. F. Neary, 1723 Tele-
graph Ave., Oakland.
Architect...None.
Day's work. COST, \$450

DWELLING

(624) E 60 LOT 29 BLK "A" Map
Piedmont Vista, Piedmont. All work
for two-story 5-room dwelling.
Owner...Hugh and Sarah Forgie,
Oakland.
Architect...None.
Contractor...D. F. Harris, 1303 Carrison
Berkeley.
Filed Apr. 6, '15. Dated Mar. 31, '15.
Frame up and roof boarded.... 1/4
Brown coated 1/4
Completed and accepted..... 1/4
Usual 35 days..... 1/4
TOTAL COST, \$2550
Bond, \$1275. Surety, National Surety
Co. Limit, 65 days. Forfeit, \$1. Plans
and specifications, none.

DWELLING

(627) W EIGHTY-FIFTH AVE 150 N
Dowling, Oakland. One-story three
room dwelling.
Owner...E. Crammer, 3734 E-14th,
Oakland.
Architect...None.
Day's work. COST, \$400

DWELLING

(628) S SIXTY-THIRD 275 E Hille-
gass, Oakland. One-story 6-room
dwelling.
Owner...John A. Bischoff, 6045 Har-
wood Ave., Oakland.
Architect...None.
Day's work. COST, \$2000

DWELLING

(629) E BRIGHTON AVE 80 N E-
38th, Oakland. One-story five-room
dwelling.
Owner...P. E. Woodburn, 3965
Greenwood Ave., Oakland.
Architect...None.
Day's work. COST, \$2500

DWELLING

(630) S RUTH AVE 350 W 55th Ave.,
Oakland. One-story 5-room dwlg.
Owner...T. L. Burnett, 745 Aileen,
Oakland.
Architect...None.
Day's work. COST, \$2300

DWELLING

(631) S AVENAL 180 W Seminary,
Oakland. One and one-half-story 7-
room dwelling.
Owner...Elsie I. Woods, Kenil-
worth Apartments, Okd.
Architect...None.
Day's work. COST, \$1800

(632) W WOODRUFF 135 N E-38th,
Oakland. One-story 5-room dwlg.

Owner...Francis J. Cavanagh,
Fresno, Cal.

Architect...None.

Contractor...V. N. Strang, 1521 9th,
Alameda. COST, \$2000

DWELLING

(634) W AUSEON 165 S Plymouth,
Oakland. One-story 5-room dwelling.
Owner...Lewis & Mitchell, 1520
Broadway, Oakland.
Architect...None.
Day's work. COST, \$2000

DWELLING

(635) W AUSEON 205 S Plymouth,
Oakland. One-story 5-room dwelling.
Owner...Lewis & Mitchell, 1520
Broadway, Oakland.
Architect...None.
Day's work. COST, \$2000

DWELLING

(636) W EIGHTY-SEVENTH AVE
245 N Holly, Oakland. One-story 5-
room dwelling.
Owner...Lewis & Mitchell, 1520
Broadway, Oakland.
Architect...None.
Day's work. COST, \$2000

ALTERATIONS

(637) S E-SIXTEENTH 120 E 55th
Ave., Oakland. Alterations.
Owner...M. P. Howard, Premises.
Architect...None.
Day's work. COST, \$500

CANOE HOUSE

(638) LAKESIDE PARK, Oakland.
Two-story reinforced concrete canoe
house.
Owner...City of Oakland.
Architect...Walter D. Reed, Oakland
Bank of Svgs Bldg., Okd.
Contractor...George A. Bos, Hearst
Bldg., San Francisco.
COST, \$11,000

DWELLING

(639) NO. 6529 TELEGRAPH AVE.,
Oakland. Two-story 4-room dwlg.
Owner...M. L. Winchell, Premises.
Architect...None.
Contractor...Jacob Bash, 1918 Woolsey,
Berkeley. COST, \$500

REPAIRS

(640) NOS. 901-907 CYPRESS, Oak-
land. Fire repairs.
Owner...Jos. T. Hinch, 1748 Broad-
way, Oakland.
Architect...None.
Day's work. COST, \$500

DWELLING

(641) S GARNET 200 W Broadway,
Oakland. One and one-half-story 5-
room dwelling.
Owner...Ole Kolen, 2853 Vallecito,
Oakland.
Architect...None.
Day's work. COST, \$2000

DWELLING

(643) W MARKET 125 N 54th, Oak-
land. One-story 5-room dwelling.
Owner...J. H. Moylan, 256 Euclid
Ave., Oakland.
Architect...None.
Contractor...V. E. Masten, 826 Milton,
Oakland. COST, \$2000

DWELLING

(644) E HADDON ROAD 400 N Excelsior Blvd., Oakland. Two-story 6 room dwelling.
Owner.....S. G. Rankin, 5659 Shafter Ave., Oakland.
Architect...None.
Day's work. COST, \$3000

FRAME DWELLING

(645) LOT 102 Map Crocker Highlands Oakland. All work for two-story and basement frame dwelling.
Owner.....Laura A. Milton, Oakland.
Architect...Chas. W. McCall, Central Bank Bldg., Oakland.
Contractor..S. J. Bertelsen, 667 39th, Oakland.
Filed Apr. 7, '15. Dated Apr. 7, '15.
Frame up, roof sheathed and brick chimney built\$2357
Brown coated 2340
Completed and accepted..... 2340
Usual 35 days..... 2451
TOTAL COST, \$9488
Bond, \$4744. Surety, Massachusetts Bonding & Insurance Co. Limit, 100 days. Forfeit, none. Plans and specifications filed.

ALTERATIONS

(646) NOS. 424-428 FOURTEENTH, Oakland. Alter elevator entrance door to store building.
Owner.....Westphal Estate Co., Okd.
Architect...None.
Contractor..Schnebly, Hostrawser & Pedgrift, 6th & Jackson, Oakland. COST, \$2800

DWELLING

(650) S GRAY 100 E 35th Ave., Oakland. One-story 4-room dwelling.
Owner.....George Hudson, 759 Brooklyn Ave., Oakland.
Architect...None.
Day's work. COST, \$1000

DWELLING

(651) W WARFIELD 160 S Cottage, Oakland. Two-story 7-room dwlg.
Owner.....Charles Kirchel, 839 Oak, Alameda.
Architect...None.
Day's work. COST, \$2900

BRICK GARAGE

(652) E GROVE 100 N 41st, Oakland. One-story brick garage.
Owner.....Geo. Rischmuller, 41st and Grove, Oakland.
Architect...None.
Contractor..B. A. Stewart, 8 Fairview Ave., Oakland.
COST, \$2000

SCHOOL

(653) THIRTY-SECOND & UNION, Oakland. Three-story reinforced concrete school.
Owner.....City of Oakland.
Architect...John J. Donovan, Security Bank Bldg., Oakland.
Contractor..Clinton Fireproofing Co., Mutual Bank Bldg., S. F.
COST, \$142,000

REPAIRS

(656) NO. 300 ATHOL AVE., Oakland. Repairs.
Owner.....J. H. Hadler, Premises.
Architect...None.
Contractor..Chas. H. Taylor, 346 Athol Ave., Oakland.
COST, \$400

ADDITION

(657) NO. 6444 COLBY, Oakland. Addition.
Owner.....Mrs. L. R. Howe, Premises.
Architect...None.
Contractor..H. M. Frostholm, 6457 Colby, Oakland.
COST, \$400

Building Contracts Awarded.

Berkeley.

No.	Owner	Contractor	Amt.
605	Jennings	Field	1350
619	Cutter	Sattin	650
620	Rose	Rose	400
621	Lee	Armstrong	1000
622	Hale	Hale	1100
623	Hart	Farquharson	1000
625	Eriksen	Fredricksen	1950
626	Jones	Jones	400
647	McCuen	Begier	800
648	Frickstad	Frickstad	1500
649	Baker	Skaggs	2600
654	Jensen	Stanage	2000
655	Jones	Johanson	2000

(Correction in Limit)

FRAME STORE

(596) E 32 OF 50 LOT on S University Ave 90 E Grove, Berkeley. All work for one-story frame store building.
Owner.....John S. Jennings, Bkly.
Architect...None.
Contractor..Fred H. Field, Kentfield, California.

Filed Apr. 2, '15. Dated Mar. 31, '15.
Frame up ¼
Enclosed ¼
Completed ¼
Usual 35 days..... ¼
TOTAL COST, \$1347

Bond, \$675. Surety, Pacific Coast Casualty Co. Limit, 40 days after April 1. Forfeit, none. Plans and specifications filed.

(598) SE DURANT AVE and Ellsworth street, 170 E from point of beginning—S 130 E 50, Berkeley. Repairs and alterations (dwelling to apartments.)

Owner.....Mrs. G. E. Magill, 2312 Durant avenue, Berkeley.
Architect...Thomas & Oliver, Pantages Theatre Bldg., Oakland.
Contractor..E. D. Bassett, 804 Fruitvale avenue, Oakland.

Filed April 3, '15. Dated March 31, '15.
Frame up, exterior enclosed and plumbing roughed in ¼
PlasteredN..... ¼
Completed and accepted ¼
Usual 35 days ¼
TOTAL COST, \$3490

Bond, \$1700. Sureties, Massachusetts Bonding and Insurance Co. Forfeit, none. Limit, 60 days after April 5. Plans and specifications filed.

STORE

(605) S UNIVERSITY AVE 150 E Grove, Berkeley. One-story store.
Owner.....J. S. Jennings, Premises.
Architect...None.
Contractor..F. H. Field, Kentfield.
COST, \$1350

LABORATORY

(619) W SIXTH, bet. Grayson and Snyder, Berkeley. One-story 4-room laboratory.
Owner.....Cutter Laboratory, Prem.
Architect...None.
Contractor..H. J. F. Sattin, 2536 Chilton Way, Berkeley.
COST, \$650

GARAGE

(620) SE CLAREMONT & EATON Court, Berkeley. Garage.
Owner.....Rosina B. Rose, 5801 Dover Oakland.
Architect...None.
Day's work. COST, \$400

ALTERATIONS

(621) NO. 2312 CEDAR, Berkeley. Alter dwelling into flats.
Owner.....Mrs. Lee, Hayward, Cal.
Architect...None.
Contractor..F. E. Armstrong, 2249-Hearst Ave., Berkeley.
COST, \$1000

DWELLING

(622) W OXFORD 320 S Eunice, Berkeley. Two-story 5-room dwelling.
Owner.....G. Hale, 1269 Euclid Ave., Berkeley.
Architect...None.
Day's work. COST, \$1100

GARAGE

(623) N BANCROFT 150 E Piedmont Ave., Berkeley. One-story garage.
Owner.....Mrs. D. M. Hart, 2253 Piedmont Ave., Berkeley.
Architect...None.
Contractor..D. B. Farquharson, 1760 Ellis, San Francisco.
COST, \$1000

DWELLING

(625) E BONITA 200 S Berryman, Berkeley. Two-story 5-room dwlg.
Owner.....Eriksen & Fredricksen, 1910 Hearst Ave., Bkly.
Architect...None.
Day's work. COST, \$1950

ALTERATIONS

(626) W LOS ANGELES 180 N Oxford Berkeley. Alterations.
Owner.....W. P. Jones, 2218 Los Angeles, Berkeley.
Architect...None.
Day's work. COST, \$400

DWELLING

(647) N CARLTON 200 E Mathews, Berkeley. One-story 3-room dwlg.
Owner.....Mrs. M. McCuen, Niles, Cal.
Architect...None.
Contractor..H. Begier, 454 Hobart, Okd.
COST, \$800

DWELLING

(648) S ALLSTON WAY 120 W McGee Ave., Berkeley. One-story 5-room dwelling.
Owner.....T. T. Frickstad, 2145 Stuart, Berkeley.
Architect...None.
Day's work. COST, \$1500

ALTERATIONS

(649) W SPRUCE 140 N Vine, Berkeley. Alter one-story dwelling into two-story flats.
Owner.....Mrs. Sadie B. Baker, 1430 Spruce, Berkeley.
Architect...None.
Contractor..J. H. Skaggs, 569 32nd, Oakland.
COST, \$2600

DWELLING

(654) S POSEN 50 W Colusa, Berkeley. One-story 5-room dwelling.
Owner.....S. Jensen, 1615 Posen, Bkly
Architect...None.
Contractor..Stanage & Houghton, 896 55th, Oakland.
COST, \$2000

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COMPLETION NOTICES.

ALAMEDA COUNTY

April 2, 1915—SW RUSSELL ST and SE lot 167, Map Stonehurst, SE 392½ to point beginning, SE 45 SW 100, Oakland. John and Matilda Forrester to H. Kaler.....March 31, 1915

April 3, 1915—SW EIGHTH and Webster — 75 S 75 E 75 N 75, Okd. Gee Sam Kee to Nils Anderson....April 3, 1915

Apr. 5, 1915—LOT 14 BLK "C" Map Fourth Ave Terrace, Okd. Grace C and Paul E Woodburn to whom it may concern.....Apr. 3, 1915

Apr. 5, 1915—W CAROLINE 175 S Central Ave S 50xE 100, Ala. Jessie C Wilson to whom it may concern.....April 3, 1915

Apr. 5, 1915—E 30 LOT 28 and W 15 Lot 28 East Piedmont Ext, Okd. W H Gale to Charlie E Taylor.....April 5, 1915

Apr. 5, 1915—S 40 LOT 4 BLK "H" Map Weston Tract, being Nos. 4080-82 Broadway, Oakland. Mary Grace Dwyer to Leo L. Nichols....March 29, 1915

Apr. 5, 1915—E BROOK 202.93 S Broadway 33.87x152.5, being ptn Lots 5 and 6, Oak Park Tract, Okd. Clara E Jenkins to Sommarstrom BrosApril 3, 1915

Apr. 7, 1915—SW LYON AVE, being Ptn Lot Map Land of Brooklyn Land Co, Okd. Joseph St. Mary to whom it may concern.Apr. 7, 1915

Apr. 7, 1915—SHATTUCK AVE NOS. 2268-2270, Bkly. Homestead Bank to Walter Sorensen, Wm Makin, Otto Schubert, M G West Co, Capi-

DWELLING
(6551) W LE ROY AVE 100 N Virginia Berkeley. One-story 5-room dwelling
Owner.....J. K. Jones, 2539 Virginia, Berkeley.
Architect...None.
Contractor...Gustaf Johanson, 1811 Rose, Berkeley.
COST, \$2000

Alameda.

No.	Owner	Contractor	Amt.
633	Rehfus	Roth	2400
642	Fortman	Kneppler	1500

DWELLING
(633) NO. 2105 CLINTON AVE., Alameda. One-story 5-room dwelling.
Owner.....Mrs. F. Rehfus, 1416 Bay, Alameda.
Architect...None.
Contractor...Conrad Roth, 2117 Pacific Ave., Alameda.
COST, \$2400

DWELLING
(642) E LAFAYETTE 70 N Eagle Ave Alameda. One-story 5-room dwlg.
Owner.....E. S. Fortman, 803 Haight Ave., Alameda.
Architect...None.
Contractor...R. W. Kneppler, 606 Haight Ave., Alameda.
COST, \$1500

BUILDING SUMMARY OF OAKLAND, CAL., FOR MONTH OF MARCH 1915.

Classification of Bldgs.	No.	Permit Cost.
1-story dwelling	72	\$133,210

12-story dwellings	6	14,000
2-story dwellings	30	104,493
2-story flats	1	3,000
2-story apartments	1	6,000
1-story stores	3	3,405
2-st bakery & store	1	15,000
Photographic studio	1	2,000
1-story lodge building	1	4,500
3-st lodge rooms & stores	1	18,000
Club house	1	300
Blacksmith shop	1	500
Harber shop	1	200
2-st flats with stores	3	10,060
Warehouse	1	380
Service station	2	375
Blower room	1	150
1-story office	1	150
1-story brick stores	2	25,500
1-story brick shed	1	75
1-st Class "A" brick bank	1	15,000
1-story brick garage	2	10,600
1-story brick charging station and salesroom (additions cost)		750
1-st steel generator room	1	5,000
1-st steel boiler room	1	5,000
1-story concrete and steel service station	1	600
1-story concrete garage	1	120
Garages, sheds and stables	39	7,519
Work shops, tank frames and barns	4	1,175
Alterations, additions and repairs	137	113,311
Total	318	\$500,373

SUMMARY.		
New construction	181	\$387,062
Alterations, additions and repairs	137	113,311
Total	318	\$500,373

Williamson's Continuous Clothes Line Outfit

Clothes Line Problem Solved At Last

DOUBLE your line space, use all the line. No empty top line, keeps the clothes free from the soiled line, making it sanitary. Take clothes off any part of line without removing the wet clothes.

CONSTRUCTION: The pulleys are made of cast iron galvanized; so constructed as to allow the patent clothes pine to pass through carrying the clothes around the pulleys, thereby using both lines.

BY using three pulleys, the lines are spread apart as shown in the picture and allows you to put clothes on or take them off the line without hanging out of the window side-ways. The clothes pin is made of heavy galvanized wire formed in such a manner as to allow it to be fastened to the clothes line very easily; nothing complicated to get out of order. Holds the clothes free from the line so the lines need not be covered with cloth-strips in order to keep the clothes from being soiled from the line. The strongest wind cannot blow the clothes out of the pins as they are held in a spring slot. When the wind blows it pulls the clothes deeper into the slot holding them tighter.

NO SPRINGS TO PRESS OR SQUEEZE to get the clothes in or out. Just slip clothes in slot and pull down. WILL hold the daintiest fabrics or the heaviest blanket. 1340 Mission St. Phone Mkt. 4008.

THIS OUTFIT CONSISTS OF 3 DOZEN Sanitary, Stronghold, Clothes Pins, 3 Continuous Clothes Line Pulleys and 1 Pair Line Splicers. Price, \$2.00 per Set.

tol Elec Co, B E Underwood and Colusa Sandstone Co....Apr. 1, 1915
Apr. 8, 1915—S 22½ LOT 54 and N ½ Lot 55 Map Broadway Terrace, Okd. H Goranson to whom it may concernApr. 8, 1915
Apr. 9, 1915—NE RIDGEWAY AVE & Broadway N 50xE 122.50, Okd. L Colleen Streiff Kleppinger to whom it may concern.....Apr. 6, 1915
Apr. 9, 1915—TWENTY-SECOND & Grove 83.13 on 22nd and 129.38 on Grove, Okd. S F O T Railway to Baccus & Kennedy, J M Ough, L D Frazee, J B Cruz, Otis Elevator Co, Maxwell Hardware Co, General Acoustic Co, The English Co, Nathaniel McDonald, W & J Sloane & Co, Falk Sign Co.....Jan. 2, 1915

LIENS FILED.

ALAMEDA COUNTY.

April 3, 1915—LOTS 5 and 6 Map Fruitvale Vista Tract. Oakland. F. M. Dreisbach (Zenith Mill and Lumber Co.) vs. Charles E. Murdoch, A. T. Nordwich and C. C. Hays\$80.28
Apr. 6, 1915—BLK BDED ON NE by Church SE by 4th, SW by Maple, NW by Third, Livermore. S Macchetto vs Mortensen & Lamanno and The Roman Catholic Archbishop of S F.....\$30
Apr. 9, 1915—SW HIBBARD AND Buena Vista Ave S 133½ W 108 N 33½ E 36 N 100 E 72, Ala. E K Wood Lumber Co vs W T Hess, Fred Hess Jr, Ella Hess, Ella McPeake, Carola Hess, T B Henry, Trustee T B Henry, Harris, John and Mary Doe.....\$238.55

RELEASE OF LIENS

ALAMEDA COUNTY.

Apr. 6, 1915—LOT 17 BLK 16 Map Northbrae, Albany. Tilden Lumber Co, \$489.87; E J Rohde Jr, \$95; Union Floor Co, \$132 to A E Moncaster and E J Aalto.....
Apr. 5, 1915—LOT 14 BLK 13 Map Northbrae, Bkly. Union Floor Co to A Y Skee.....\$133

SAN JOSE AND THE SANTA CLARA VALLEY

BRIDGES—2, steel and concrete. Cost not stated. Redwood City, San Mateo Co., Cal. Engineer, County Surveyor, Redwood City. Owners, San Mateo County. At the last meeting of the County Board of Supervisors the County Engineer was instructed to prepare plans and specifications for the construction of a steel cable bridge across the creek at Pescadero. The Engineer was also instructed to prepare plans for the construction of a new bridge over Tunitas Creek. Bids will be called on both of these structures on the completion of the plans.
BRIDGE—Reinforced concrete and steel. Cost not stated. Watsonville, Santa Cruz Co., Cal. Engineer, none. Owners, City of Watsonville and Monterey County. After a lengthy conference by Watsonville city officials and the Monterey County Board of Supervisors, it was decided to reopen the bridge matter and call for entirely new plans of uniform design. Plans

submitted to the boards were prepared by Leonard & Day of San Francisco. The new plans will call for a bridge having seven sixty-foot spans instead of five spans of 84 feet. Plans for the bridge will be received up to and including Monday, April 19th. As soon as plans are agreed upon bids for construction will be called for.

RESIDENCE — 2 story and base, frame. Cost not stated. San Mateo, San Mateo Co., Cal. Architects, Rousseau & Rousseau, 110 Sutter street, S. F. Owner's name withheld. The dwelling has been designed for an eight-room house with two baths and sleeping porch. Interior will be finished in pine and hardwood with hardwood floors in the principal rooms. There will be furnace heat and open fire places. Mantels will be of tile and brick. Bath rooms will be finished in tile. An automatic water heater will be installed. Exterior of the dwelling will be faced with cement plaster on metal lath. Plans are being prepared.

SEWER CONSTRUCTION—Cost not stated. Redwood City, San Mateo Co., Cal. Engineer, City Engineer, Redwood City. Owners, Redwood City. After a recommendation, the City Council ordered the City Engineer to prepare plans and specifications for the laying of storm sewers of 16-inch terra cotta pipe and cement gutters on either side of Broadway from Main street to the bridge, and also from Jefferson street to the bridge. Bids will be called for on the adoption of the plans.

SEWER WOR — Cost not stated. Monterey, Monterey Co., Cal. Engineer, City Engineer, Monterey. Owners, City of Monterey. The City Council has adopted plans and specifications to connect the Oak Grove sewer with the septic tank back of the Monterey Theatre, and the City Clerk has been instructed to advertise for bids on the work.

Contracts Awarded.

BRIDGE—Reinforced concrete, \$2,994. Redwood City, San Mateo Co., Cal. Engineer, County Surveyor, Redwood City. Owners, San Mateo County. Contractors, Duncanson-Harrelson Co., Chronicle Bldg., S. F. Contract price, \$2,994.

RESIDENCE — 2 story and base, frame, \$3,000. San Jose, Santa Clara Co., Cal. Architect, none. Owner, J. Dudfield. Contractor, F. C. Nelson, 173 South First street, San Jose. Contract price, \$3,000.

BOX CULVERT AND CONCRETE WALL—\$2,586.97. Redwood City, San Mateo Co., Cal. Engineer, County Surveyor, Redwood City. Owners, San Mateo County. Contractors, Construction & Engineering Co., Hobart Bldg., S. F. Contract price, \$2,586.97.

ROAD CONSTRUCTION — \$29,947.53. Redwood City, San Mateo Co., Cal. Engineer, County Surveyor, Redwood City. Owners, San Mateo County. Contractors, Duncanson-Harrelson Co., Chronicle Bldg., S. F. Contract price, \$29,947.53.

STREET PAVING — \$11,175. Santa Cruz, Santa Cruz Co., Cal. Engineer, City Engineer, Santa Cruz. Owners, City of Santa Cruz. Contractor, W. E. Miller, Santa Cruz. Contract price, \$11,175.

BUILDING CONTRACTS

SANTA CLARA COUNTY.

ALTERATIONS

NO. 218 S-SEVENTH ST., San Jose. Alterations.
Owner.....F. D. Hatman, Premises.
Architect...C. McKenzie, Security Bank Bldg., San Jose.
Contractor..F. E. Keesling, 33 Coe Ave., San Jose.

COST, \$1407

ALTERATIONS

NE SECOND AND SAN CARLOS, San Jose. Alterations.
Owner.....Mrs. J. L. Woodrow, Prem.
Architect...None.
Contractor..J. H. Miller, 1041 S-Second St., San Jose.

COST, \$1095

ALTERATIONS

NOS. 206-208 SANTA CLARA, San Jose. Alterations.
Owner.....Mrs. J. A. Lotz, 116 S-9th St., San Jose.
Architect...None.
Contractor..L. Yates.

COST, \$1600

ALTERATIONS

NO. 34 N-FIRST ST., San Jose. Alterations.
Owner.....F. W. Kemling, 55 N-1st, San Jose.
Architect...None.
Contractor..J. B. Lamb, 648 S-11th St., San Jose.

COST, \$400

COTTAGE

NE NINTH AND SAN CARLOS, San Jose. Six-room cottage.
Owner.....J. Dudfield.
Architect...None.
Contractor..F. C. Nelson, 173 S-First, San Jose.

COST, \$3000

ALTERATIONS

NO. 30 S-FIRST ST., San Jose. Alterations.
Owner.....De Saissette Estate.
Architect...None.
Contractor..Shottenhamer Bros., 143 S-16th St., San Jose.

COST, \$2000

ALTERATIONS

VINE AND POST STS, San Jose. Alterations.
Owner.....Reynaud & Rispaud, Prem.
Architect...None.
Day's work.

COST, \$1600

COTTAGE

NO. 728 ORCHARD, San Jose. Six-room cottage.
Owner.....A. Oliveres, Premises.
Architect...None.
Day's work.

COST, \$800

COTTAGE

No. 1167 LOCUST ST., San Jose. Five-room cottage.
Owner.....G. Bruno, Premises.
Architect...None.
Day's work.

COST, \$800

COTTAGE

THIRTY-FOURTH & SHORTRIDGE Ave., San Jose. Four-room cottage.
Owner.....G. H. Manning.
Architect...None.

Contractor..J. E. Perkins, E-Santa Clara & 34th Sts., San Jose
COST, \$450

ALTERATIONS

NO. 139 JACKSON ST., San Jose. Alterations.

Owner.....H. Yamamoto, Premises.
Architect...None.
Day's work. COST, \$400

ALTERATIONS

NO. 34 N-FIRST ST., San Jose. Alterations.

Owner.....Maddox.
Architect...None.
Contractor..Morrison Bros, Santa Clara
COST, \$400

MARIN, CONTRA COSTA AND SONOMA COUNTIES.

SCHOOL—1 story, brick. Cost not stated. Richmond, Contra Costa Co., Cal. Architect, J. T. Narbett, 704 Macdonald avenue, Richmond. Owners, City of Richmond. Plans for the Fairmount School have been completed and approved by the Board of Education. The building will contain four rooms and a reception hall, and will be in the nature of an addition to the present building. Interior will be finished in pine and redwood. Hardwood floors will be used in the class rooms. A central heating system and oil burning equipment will be installed. Modern school plumbing is specified. Exterior of the building will be finished with pressed brick. Bids are now being taken and will be opened by the Board of Education on April 17th at 8 p. m. Plans and specifications can be secured from the architect. Separate bids are being called for on the heating and ventilating.

SCHOOL—1 story and base, frame and plaster. Cost not stated. Sebastopol, Sonoma Co., Cal. Architect, Ernest L. Norberg, Phelan Bldg., S. F. All bids received for this work recently by the Board of Education have been rejected and plans will be revised. The building will contain four rooms and assembly hall. Interior will be finished in pine. Plans provide for a central heating system, probably furnace heat, modern school plumbing and program clocks. Maple floors will be used in the class rooms. Exterior of the building will be finished with cement plaster on metal lath. The architect is now making revisions in the plans and further notice will be given when revised figures will be called for.

PILE WORK FOR BRIDGE—\$3,000 Fairfield, Solano Co., Cal. Engineer, County Surveyors of Solano and Sacramento Counties. Owners, Solano and Sacramento Counties. The first step towards the construction of the Rio Vista bridge across the Sacramento River at Rio Vista has been taken by the County Supervisors when bids for the piling work across Wood Island were advertised for. The work of driving piles will cost about \$3,000.

SEWER SYSTEM—\$14,000. Calistoga, Napa Co., Cal. Engineer, City Engineer, Calistoga. Owners, City of Calistoga. Bids for the construction of the new sewer system at Calistoga have been opened by the City Trustees and show the following firms as the two lowest bidders: J. H. May, Napa,

\$14,515; Bardwell & Dillerman, Calistoga, \$14,200. All other bids submitted were rejected. The bids of the two mentioned above have been taken under advisement.

Contracts Awarded.

SCHOOL—1 story and base, brick veneer, \$10,341. Richmond, Contra Costa Co., Cal. Architect, James T. Narbett, Berry Bldg., Richmond. Owners, City of Richmond. Contractor, J. S. Hannah, Williams Bldg., S. F. Contract price, \$10,341. Heating and ventilating was awarded to J. E. Overaa of Richmond at \$1,844.

BRIDGES—4, reinforced concrete, \$6,143. Fairfield, Solano Co., Cal. Engineer, County Surveyor, Fairfield. Owners, Solano County. Contractors, Duncanson - Harrelson Co., Chronicle Bldg., S. F. Contract price, \$6,143.

BRIDGES—2, timber, \$1,390. San Rafael, Marin Co., Cal. Engineer, County Surveyor, San Rafael. Owners, Marin County. Contractor, S. P. Brownlee, Kentfield. Contract price, \$1,390.

PAVING—\$44,120.40. Sausalito, Marin Co., Cal. Engineer, City Engineer, Sausalito. Owners, City of Sausalito. Contractors, Clark & Henry, Sausalito. Contract price, \$44,120.40.

ROAD WORK—\$30,000. Richmond, Contra Costa Co., Cal. Engineer, none. Owner, John Nicholl. Contractors, Mogett-Mead Co., Richmond. Contract price, \$30,000.

LIENS FILED

CONTRA COSTA COUNTY.

RECORDED	AMOUNT
Apr. 3, 1915—LOT 7 BLK 19, Bay View Tract, Stege. Stege Lumber & Hardware Co vs E E and May Willmington (wife)	\$53.63

BUILDING CONTRACTS

CONTRA COSTA COUNTY.

FRAME BUILDING

LOT 23 AND N ½ LOT 24 BLK 134. City of Richmond. All work for one-story frame building.

Owner.....Gustaf W. Anderson, 215 22nd, Richmond.

Architect...None.

Contractor..J. A. Fagerstrom, 23 9th St., Richmond.

Filed Apr. 5, '15. Dated Mar. 31, '15.

Frame erected\$475

1st coat plaster on..... 475

Building completed 475

Usual 35 days..... 475

TOTAL COST, \$1900

Bond, \$950. Sureties, E. M. Tilden and Axel Wetterberg. Limit, Finish by May 15, 1915. Forfeit, none. Plans and specifications filed.

FRESNO, MODESTO, STANISLAUS AND CENTRAL CALIFORNIA

BRIDGES—Concrete and timber. Costs as follows. Colusa, Colusa Co., Cal. Engineer, County Surveyor, Colusa. Owners, Colusa County. Contractors, Duncanson - Harrelson Co., Chronicle Bldg., S. F., 27 bridges. Contract price, \$62,580. Charles Cotton Co., Colusa, Maxwell bridge. Contract price, \$7,840.

BRIDGES—5 reinforced concrete. Cost not stated. Modesto, Stanislaus Co., Cal. Engineer, County Surveyor

F. H. Annear, Modesto. Owners, Stanislaus County. Under the supervision of County Engineer F. H. Annear five concrete bridges will be built across irrigation ditches west of Modesto, under the Day Labor system. These are the bridges let by contract some time ago to H. W. Sears on a bid of \$2,374, a figure which Sears afterward discovered was far under cost, and which he refused to carry out. The work will be started at once.

BOILER HOUSE AND MACHINE SHOP—1 story, reinforced concrete and corrugated iron. Cost not stated. Maricopa, Kern Co., Cal. Engineer's name not given. Owners, Lakeview Oil Co. No. 2. Contracts are being made by Lakeview Oil Co. No. 2 of Maricopa for materials for use in the erection of a modern boiler house. The building has been designed to accommodate five 70-horsepower boilers of modern type as well as other equipment. In addition to the above building the construction of a modern machine shop and engine house is being undertaken, both of which will have special tools and machinery.

GLASS FACTORY—3, 1 story and base, frame, \$45,000. Bakersfield, Kern Co., Cal. Architect's name not given. Owner, W. G. Hudlow, Bakersfield. A J. Hurrie, who is in charge of the T. A. Wells Tract at Bakersfield, states that plans for three large one-story frame factory buildings have been completed and are now in the hands of W. G. Hudlow of Bakersfield. These buildings will include the main glass factory, 144 by 120 feet, warehouse, 40 by 80, a box shop, office building and blacksmith shop. Mr. Hudlow states that construction will be started by May 15th. Construction, together with the furnace equipment and other mechanical work, is estimated at \$45,000.

PASSENGER STATION—1 story and base, reinforced concrete, \$15,000. Modesto, Stanislaus Co., Cal. Architect, Architectural Department Southern Pacific Co., Flood Bldg., S. F. Owners, Southern Pacific Co. Immediate construction of a new passenger station has been ordered by the State Railroad Commission. The building will be designed in the Mission style and will contain two waiting rooms, agent's office, express and baggage rooms. Exterior will be faced with cement plaster. Plans are now being prepared.

PIPE LINE CONSTRUCTION—\$100,000. Bakersfield, Kern Co., Cal. Engineer's name not given. Owner, syndicate represented by C. H. Ball, Bakersfield. Recent reports state that a \$100,000 pipe line from the Rio Bravo pumping plant through Shafter to Wasco, with a branch line to Rosedale, will be started within thirty days by a group of Los Angeles capitalists. C. H. Ball, an eastern man now in Bakersfield, is interested in the work, and is securing signatures of residents and ranchers in the vicinity.

STREET PAVING—Cost not stated. Porterville, Tulare Co., Cal. Engineer, City Engineer, Porterville. Owners, City of Porterville. Preliminary steps have been taken by the City Council to pave twenty blocks of residence streets in addition to the thirty-three blocks of work now under construction. A petition has been filed with the Council for the paving of El Granito avenue adjoining the high school,

Contracts Awarded.

LODGE HALL—2 story and base, brick and steel, \$54,000. Fresno, Fresno Co., Cal. Architects, Swartz, Hotchkin & Swartz, Rowell Bldg., Fresno. Owner, F. M. Roessler. Contractor, James L. Daly, Fresno. Contract price, \$54,000.

RESIDENCE — 1 story and base, frame, \$2,500. Fresno, Fresno Co., Cal. Architect, none. Owner, David Wells. Contractors, Metzger & Weston, Fresno. Contract price, \$2,500.

BUILDING CONTRACTS

FRESNO COUNTY.

DWELLING

LOTS 1, 2, 3 BLK 4, Fresno. Dwelling. Owner.....Joe Faretta. Architect...None. Day's work. COST, \$1000

DWELLING

LOTS 3 AND 4 BLK 74, K. B. Heights, Fresno. Dwelling. Owner.....Geo. P. Wells, 1622 Modoc St., Fresno. Architect...None. Contractor...Ole Synoground. COST, \$1800

DWELLING

LOTS 29 AND 30 BLK 239, Fresno. Dwelling. Owner.....Not given. Architect...None. Contractor...Geo. Nilmeier, Fresno. COST, \$1000

DWELLING

LOT 11 BLK 17, Hazelwood, Fresno. Dwelling. Owner.....David Wells. Architect...None. Contractor...Metzger & Weston. COST, \$2500

NOTICE OF NON-LIABILITY.

FRESNO COUNTY.

Apr. 5, 1915—LOT 25 BLK 83, Fresno F E Cook, gdn H S Eshelman, incomp't, W N Sherman and Alma S Chickering as to improvements on leased property

COMPLETION NOTICES

FRESNO COUNTY.

RECORDED

ACCEPTED

Apr. 8, 1915—LOT 6 BLK 21 Alta Vista Tract, Fresno. A H Barney to whom it may concern. Mar. 30, '15

LIENS FILED

FRESNO COUNTY.

RECORDED

AMOUNT

Apr. 2, 1915—S ¼ OF SE ¼ OF SE ¼ of Sec 21-13-22, Fresno. Henry Isheim vs Samuel Haig.\$154
Apr. 6, 1915—LOTS 17 TO 21 BLK 82, Fresno. Henry Cowell Lime & Cement Co vs F H Ball et al.....\$235
Apr. 8, 1915—LOTS 12, 13, 14 BLK 70, Fresno. Swastika Lumber Co, \$35; C S Pierce Lumber Co, \$7 vs Roeding Est Co and Clarence Wright...

SACRAMENTO, STOCKTON AND NORTHERN CALIFORNIA.

RESIDENCE — 1 story and base, frame, \$2,000. Stockton, San Joaquin Co., Cal. Architect, none. Owner, H. B. Davidson, 945 South Center street, Stockton. The building will be erected on Anderson street and has been designed to contain five rooms and bath. Interior will be finished in pine and redwood. Hardwood floors will be used in the living room and dining room. There will be a large open fire place in the living room with a brick or tile mantel. Imitation tile wainscot will be used in the bath room and kitchen. An automatic water heater will be installed. The exterior of the house will be covered with rustic and cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor.

BRIDGE—Concrete and steel. Cost not stated. Auburn, Placer Co., Cal. Engineer, County Surveyor, Auburn. Owners, Placer County. The Board of Supervisors has adopted plans and specifications for the construction of a bridge over the Bear River, and will call for bids on the structure immediately.

HOSPITAL ADDITION—1 story and base, reinforced concrete, \$7,000. Woodland, Yolo Co., Cal. Architect, W. H. Weeks, 75 Post street, S. F. Owners, Woodland Sanitarium Co. The addition will be in the nature of a new wing added to the present building. Interior will be finished in pine with hardwood floors. There will be steam heat, vacuum cleaning and a hot water supply. Exterior of the building will be faced with cement plaster. Plans are now being prepared.

SCHOOLS—2, 1 and 2 story and base, brick and frame. Cost not stated. Woodland, Yolo Co., Cal. Architect, W. H. Weeks, 75 Post street, S. F. Owners, City of Woodland. Plans for these two buildings have been completed and are now out for figures. The two-story brick structure will contain twelve class rooms, auditorium and departments for manual training and domestic science. The one-story frame and plaster building will contain eight class rooms. Modern school plumbing and heating are specified. Exteriors will be covered with cement plaster on metal lath and pressed brick. Plans will be figured at once.

WATER MAIN EXTENSION—Cost not stated. Sacramento, Cal. Engineer, City Engineer, Sacramento. Owners, City of Sacramento. The City Commission has voted to lay water pipe along Cypress avenue from the Lower Stockton road to the Upper Stockton road, and also on M street from 31st to Dana Way. This will take approximately two miles of eight-inch pipe, according to Commissioner Coulter, who recommended the work.

STREET PAVING, ETC.—\$35,000. Stockton, San Joaquin Co., Cal. Engineer, City Engineer, Stockton. Owners, City of Stockton. Work will begin within the next five weeks, according to an announcement made by the Supervisors, on the grading and macadamizing of the Howard road, a distance of eight mile. Bids for this work are to be called for immediately.

BUILDING CONTRACTS

SACRAMENTO COUNTY.

RESIDENCE

NO. 1417 FOURTH ST., (rear) on E 20 feet of N ¼ of Lot 8, N. O. 4th and 5th Sts., Sacramento. Three-room residence.

Owner.....Langdon Bros.

Architect...None.

Contractor...C. Valine, 2417 15th St., Sacramento.

COST, \$600

STORE AND RESIDENCE

NO. 1417 FOURTH ST., on 20 feet Lot 8, N. O. 4th and 5th Sts., Sacramento.

One-story store and residence bldg.

Owner.....Langdon Bros., Sacramento

Architect...None.

Contractor...C. Valine, 2417 15th St., Sacramento.

COST, \$1800

FRAME RESIDENCE

HILLCREST AVE., near Freeport Road

on Lot Hillcrest, Sacramento. One-story 2-room frame residence.

Owner.Rock Slanish, 427 Alley, bet. R and S, Sacramento.

Architect...None.

Contractor...Terrace L. Halverson, 726 O St., Sacramento.

COST, \$400

ALTERATIONS

NO. 507 K ST., on E 20 feet of S ½ Lot 8, J, K, 5th and 6th Sts., Sacramento.

Remodel front of brick store bldg.

Owner.....Christ Zampatha, 505 K St., Sacramento.

Architect...None.

Contractor...W. M. Kennedy, 3330 Orange Ave., Sacramento.

COST, \$400

STORAGE SHED

NO. 523 ALLEY, bet. L and M Sts., on N 50 feet of E 20 feet Lot 6, L, M, 5th and 6th Sts., Sacramento. Terra cotta tile storage shed.

Owner.....Ellen McMorris, 416 L St., Sacramento.

Architect...None.

Contractor...F. H. Brown, 1117 33rd St., Sacramento.

COST, \$400

STORAGE SHED AND GARAGE

NO. 2015 ALLEY, bet. N and O Sts., on E 30 feet Lot 7, N. O. 20th and 21st Sts., Sacramento. Storage shed and private garage.

Owner.....E. S. Henley, 2015 O St., Sacramento.

Architect...None.

Contractor...Chas. Vanina, 2022 M St., Sacramento.

COST, \$300

RESIDENCE

NO. 3133 C ST., on Lot 54, Casa Loma Terrace, Sacramento. Five-room residence.

Owner.....W. D. McKoy, 3029 E St., Sacramento.

Architect...None.

Day's work.

COST, \$2700

SHED

FRONT, bet. O and P Sts., Sacramento. Erect galvanized wharf shed.

Owner.....City of Sacramento, City Hall.

Architect...None.

Contractor...John A. Silva, 415 11th St., Sacramento.

COST, \$176

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ALTERATIONS

W ½ OF LOT 3, J, K, 5th and 6th Sts.,
Sacramento. Alterations and install
bank fixtures in bank building.

Owner.....Weinrich Estate, Forum
Bldg., Sacramento.

Architect...None.

Contractor...McGillivray Constr. Co.,
Nicolaus Bldg., Sacramento
COST, \$1200

RAISE RESIDENCE

NO. 1122 V ST., on E ½ Lot 3 Blk V,
W, 11th and 12th Sts., Sacramento.
Raise and finish residence.

Owner.....T. B. Reese, Premises.

Architect...None.

Contractor...Arthur Smith, 1122 V St.,
Sacramento.
COST, \$1000

FRAME RESIDENCE

NO. 2612 OAK AVE. on E ½ Lot 15,
Kathleen Tract, Sacramento. One-
story four-room frame residence.

Owner.....P. E. Reed, 2613 28th St.,
Sacramento.

Architect...None.

Day's work, COST, \$1000

BUILDING CONTRACTS.

SAN JOAQUIN COUNTY.

FRAME DWELLING

W-ANDERSON, bet. Commerce and
Center, Stockton. Frame dwelling.

Owner.....H. B. Davidson, 945 S-
Center St., Stockton.

Architect...None.

Day's work. COST, \$1600

BRICK AND STEEL CHURCH

FAIR OAKS ADDITION, Stockton.
Two-story and basement brick and
steel church.

Owner.....Roman Catholic Arch-
bishop, 1700 Franklin St.,
S. F. (Rev. L. Murphy,
Premises.)

Architect...John J. Foley, 46 Kearny,
San Francisco.

Contractor...James Mulcahy, 526 S-
Grant St., Stockton.

COST, \$25,187

MARBLE WORK

COR. SCHOOL AND PINE STS., Lodi.

All marble work for building.

Owner.....Lodi Investment Co., Lodi.

Architect...E. B. Brown, Suite 12, Ma-
sonic Temple, Stockton.

Contractor...H. P. Fischer Tile & Mar-
ble Co., 318 N-California
St., Stockton.

Filed Mar. 24, '15. Dated Mar. 4, '15.

On 3rd of each month..... 75%

Usual 35 days..... 25%

TOTAL COST, \$1312

Bond, \$634. Surety, E. C. Stewart.
Limit, forfeit, none. Plans and speci-
fications filed.

REMODEL THEATRE

NO. 23 W-ELM ST., Lodi. All work for
remodeling Tokay Theatre.

Owner.....H. W. Sievers & J. Gatzert,
Premises.

Architect...L. F. Barzellotti, Lodi.

Contractor...E. T. Wisner.

Filed Mar. 24, '15. Dated Mar. 23, '15.

When ½ remodeling complete..\$1260

When ¾ remodeling complete.. 1260

Usual 35 days..... 1260

TOTAL COST, \$3780

Bond, \$1890. Sureties, R. S. Fuller and
A. M. Tower. Limit, 50 days. Forfeit,
none. Plans and specifications filed.

DWELLING AND GARAGE

SE SAN JOAQUIN AND CHESTNUT
Ave., Stockton. All work for two-
story and basement dwelling and
garage.

Owner.....M. S. Arndt, 1005 N-Hunter
St., Stockton.

Architect...John Davis Hatch, Hum-
boldt Bank Bldg., S. F.

Contractor...Powell Bros. & Medbery,
945 E-Lindsay, Stockton.

Filed Mar. 25, '15. Dated Mar. 24, '15.

1st floor joists in place.....\$1500

Frame and roof up and braced. 1500

Plastering completed..... 1500

90% mill work completed..... 1500

Contract accepted..... 3694

Usual 35 days..... 3232

TOTAL COST, \$12,926

Bond, \$4000. Sureties, C. J. Powell,
William Powell and C. W. Medbery.
Limit, 120 working days. Forfeit, \$1
per day. Plans and specifications filed.

FRAME RESIDENCE

LOT 9 BLK "B," Yosemite Terrace,
Stockton. All work except plumbing
and sheet metal work for two-story
frame residence.

Owner.....Merren Gillis Morton and
R. M. Morton, NW Willow
and Commercial, Stockton.
Architect...Joseph Losekann, 79 San
Joaquin Bldg., Stockton.

Contractor...O. H. Chain, 123 E-Magno-
lia St., Stockton.

Filed Mar. 27, '15. Dated Mar. 23, '15.

Concrete foundation finished..\$300.00

Frame up and plastering com-
pleted..... 800.00

Inside finish completed..... 800.00

Building accepted..... 700.00

Usual 35 days..... 303.50

TOTAL COST, \$2903.50

Bond, \$1451.75. Sureties, T. J. Viebrock
and J. H. Miller. Limit, 70 days. For-
feit, none. Plans and specifications
filed.

HEATING AND VENTILATING

NORTH AND LOWER SACRAMENTO
Road, Stockton. Heating and venti-
lating for new El Dorado School.

Owner.....Stockton Board of Educa-
tion.

Architect...Stone & Wright, San
Joaquin Bldg., Stockton.

Contractor...W. Morgan & Co., 681
Market, San Francisco.

Filed Mar. 31, '15. Dated Mar. 17, '15.

On 1st of each month..... 75%

Usual 35 days..... 25%

TOTAL COST, \$4986

Bond, \$2493. Surety, National Surety
Co. Limit, Sept. 1, 1915. Forfeit, \$5
per day. Plans and specifications filed.

LOS ANGELES AND SOUTHERN CALIFORNIA.

HOSPITAL BUILDINGS—Frame and
concrete construction. Cost not stat-
ed. Norwalk, Los Angeles Co., Cal.
Architect, State Architect George E.
McDougall, Sacramento. Owner, State
of California. Plans for the new State
Hospital for the Insane Blind, which
is to be erected near Norwalk have
been completed, and are now out for
figures. The first of these buildings
to be figured will be the workers'
cottage, kitchen building and power
house. The power house will be of
concrete. The workers' cottage and
kitchen building will be of frame and
plaster construction. Bids are now
being taken and will be opened on
May 4th at Sacramento. Plans and
specifications can be secured from the
State Department of Engineering at
Sacramento. An official proposal ap-
pears in another column of this issue.

CHURCH—2 story and base, frame.
Cost not stated. Hollywood, Los
Angeles Co., Cal. Architect, E. Burt
Johnson, Black Bldg., L. A. Owners,
Mt. Hollywood Congregational Church.
The building will contain an audito-
rium seating 300 people, Sunday school
rooms, social rooms and pastor's study.
Interior will be finished in pine. Art
glass windows are specified. Exterior
of the building will be covered with
cement plaster on metal lath. Plans
are being prepared.

SCHOOL ADDITION AND ALTERA-
TION—2 story and base, hollow tile,
\$25,000. Los Angeles, Cal. Architect,
Homer W. Glidden, Wright and Cal-
ender Bldg., L. A. Owners, City of
Los Angeles. Two wings will be con-
structed at the Normandle School and
other alterations made. Plans are
complete and out for figures. Bids will
be opened on April 22nd. Plans and
specifications can be secured from the
architect.

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Munster & Born-
holdt
Neldick, Frank
Newsom, Wm. A.
Nielsen, N. F.
O'Brien, J. J.
Olson, Andrew
Owsley, Burt T.
Petterson & Pers-
son
*Pratt, J. J.
Quinn, P. P.
Ransome Concrete
Co.
Rednall, W. W.
Reese & Rountree
Reite, J. B.
Roland, F.
Rushon, C. A.
Sauer, Adam
Saywell, Sylvester
Schulz, J. E.
Sjogren Brothers
Siller Brothers
Speidel, P. F.
Stechholm & Al-
lyn
Strehlow, Freese
& Peterson.
Taylor & Goerlicke
Tidhill, W. A. &
C. C.
Tessmer, H. A.
Thurston & Co.,
E. T.
Trost, Robert
Van Sant-Hough-
ton Company
Vezina, L. N.
Walker, G. H. &
Seth
Ward & Goodwin
Wendering, J.
Witzelberger, J.
Williams Bros. &
Henderson
Wold, C. L.
Wright, G. A.*
Wright, Chas.
*Honorary Mem.

Architectural Iron
Works.

Brode Iron Works
Eureka Wire &
Iron Works
Hillard & Co., C.
J.
Kell Iron Works
Leutholdt & Co., M.
Monarch Iron
Works
Michel & Pfeffer
Palatina Iron Wks
St. Francis Orn.
Iron Works
Sartorius Co.
Palatina Iron
Works
St. Francis Orn.
Iron Works
Ralston Iron
Works
Vulcan Iron Wks.
Western Iron Wks
West Coast Wire
& Iron Works

Arch. Sheet Metal
Works.

S. F. Metal Stamp-
ing & Corr. Co.
U. S. Metal Prod-
ucts Co.

Arch. Terra Cotta.
Calif. Pottery Co.
Carnegie Brick &
Pottery Co.
Clark & Sons, N.

Diamond Brick Co
Gladding - Mc-
Bean Co.
McNear Brick &
Steiger Terra Cot-
to Co.
United Materials
Co.

Art Ceilings.
Berger Mfg. Co.
Art Glass.
Grosslicht & Din-
niene
Pioneer Plate &
Window Glass
Co.
Schwarz & Gott-
lieb
Artistic Plaster
Decorations.
Benkman, Ed. G.
Binner Theodore
Larson, O. F.
Lipp & Co., I. P.
Co.

Asbestos Materials
Johns - Manville
Co., H. W.
Magnesia Asbes-
tos Supply Co.
Western Asbestos
Magnesia Co.
Western Builders'
Supply Co.

Asphalt & Bitum-
inous Paving.
Coyle, Jos. A.
Nugent, Robinson
Attorneys.
Aitken & Aitken
Perkins, Geo. R.

Auto Delivery.
Federal Transfer
& Dray Co.
Peerless Motor
Dray Co.
Star Con. Co.

Automobile Supplies.
Burgers, Fred W.
Knowles, T. C.

Boilers.
Peerless Agencies
Company.

Boller & Pipe Cov-
ering.
Johns - Manville
Co., H. W.
Lewis, W. S.
Magnesia Asbestos
Supply Co.
Western Asbestos
Magnesia Co.

Bonds & Insurance
Agency Company
Aetna Life Ins. Co.
Brown, Carl G.
Costello & Cutler
Glass, Samuel
Givett & Co., R.
G.

Hayburn, Jas. C.
Illinois Surety Co.
Hughes, Chas. T.
Kohberg, A. M.
Lloyd & Spengler
MacMeans, H. V.
Meherin & Son.
Mark M.
Pacific Coast Cas-
ualty Co.
Schnee, Gustave
Schweinhard, G.
W.
Webster Co., Per-
cy V.

Brick Contractors
Anderson & Rai-
ney
Alexander, Robt.

Bay Develop. Co.
Cal. Brick Co.
Cal. Pottery Co.
Carnegie Brick &
Pottery Co.
City Supply Co.
Clark & Sons, N.
Diamond Brick Co
Tile Co.
Gladding - Mc-
Bean Co.
McNear Brick
Agency
Steiger Terra Cot-
ta & Pottery Wks
United Materials
Co.
Western Develop-
ment Syndicate
Western Lime &
Cement Co.

Builders
Instruments.
Keuffel & Esser Co.
Building Journals
Building and In-
dustrial News.
Daily Pacific
Builder

Building Materials
Alsen's Portland
Cement Co.
Baker & Hamil-
ton
Bay Develop. Co.
Berger Mfg. Co.
Cal. Brick Co.
Cal. Bldg. Mate-
rial Co.
Cal. Pottery Co.,
Inc.
City Supply Co.
Carnegie Brick &
and Company.
Cowell Lime and
Cement Co., H.
Diamond Brick Co
Dwan Co., J. E.
Falls Mfg. Co.
Fuller & Co., W.P.
Gladding - Mc-
Bean Co.
Gross Co., Felix
Guerin & Co., J. S.
Holloway Exp.
Metal Lath Co.
Holmes Distrib-
uting Co.
Johns - Manville
Co., H. W.
Jorgensen & Co., C.
Kinnear Mfg. Co.
Lennon Co., J. E.
Levy, Robt. S.
Mapes, Sanford N.
Meyer, Adolph
Pac. Bldg. Mate-
rials Co.
Pac. Portland Ce-
ment Co.
Paraffine Paint Co
Parrott & Co.
Roman Co., C.
Ryan, George
S. F. Lime Co.
Shannon, M. T.
Simon-Fout Brick
Co.
Standard Portland
Cement Co.
Steiger Terra Cot-
ta & Pottery Wks
Stoner, O. W.
Waterhouse &
Price Co.
Western Asbestos
Magnesia Co.
Western Builders'
Supply Co.
Western Develop-
ment Syndicate.
Western Lime &
Cement Co.
Whittier - Coburn
Co.
Woods & Hud-

Card File Co.
Architects' Card
File Co.
Cement Dealers.
Alsen's Portland
Cement Co.
City Supply Co.
Cowell Lime &
Cement Co.
Dwan & Co., J. E.
Guerin & Co., J. S.
Lennon Co., J. E.
Lilley & Thurston
Co.
Meyer, Adolph
Pacific Portland
Cement Co.
Standard Portland
Cement Co.
Waterhouse &
Price Co.
Western Lime &
Cement Co.

Chimneys, Patent
Clawson, M. L. E.
Dresser - McDon-
nell Co.
Hughes, H. J.

Clay Products.
Cal Brick Co.

Cold Storage Insu-
lation
Van Fleet, M. V.

Concrete Contrac-
tors.
American Con-
crete Co.
Amorsen Co. A & T
Barrett & Hilp
Bluxome & Co.
Camp & Carrillon
Chase, S. A.
Coyle, Jos. A.
Crescent Concrete
Co.
Daniel & Schott
Dillon, H.
Edminster Bros.
Foster Co., W.
Gnecco, M. H.
Hansen & John-
son.
Haun, C. C. W.
Hurley, P.
Leonard, J. P.
McCabe & Brown
McClenahan &
Co., T. W.
Miller, Louis
Mission Concrete
& Mosaic Wks.
Moroncelli, John
Nilson & Arras
New Era Marble
& Concrete Co.
Nugent, Robinson
Rasmussen, A.
Riboni, Henry
Schlosser, Max
Schmidt & Son, J.
Sundberg, A.
Spargo, John
Thomas & Sands
Westerlund, J. V.
Zimmerman, L. M.
Concrete Machy.
Bacon & Co., E. R.
Road Machy. Co
Lansing Co.
Lvernore Co.,
Norman B. Co.,

Contractors'
Equipment.
Bacon & Co. E. R.
Blaisdell Mchy.
Co.
Compressed Air &
Gen. Mchy. Co.
Lansing Co.
Mapes, Sanford N.
Orenstein - Ar-
thur Koppel Co.

Cornice Works.
Amstler Sheet
Metal Works
Appman Cornice
Works.
Atlas Heating &
Ventilating Co.
Capitol Sheet
Metal Works
Conlin & Roberts.
Crown Cornice
Works
Cronan, Wm.

Crude Oil Burners
Bill & Jacobsen
Fess System Co.
Johnson Co., S. T.

Crushed Rock.
Bay Devel. Co.
Cal. Building Ma-
terial Co.
Cassarotto, John
City Supply Co.
McMullin, A. L.
Simon-Fout Brick
Co.
Star Contracting
Company.
Standard Crushed
Rock Co.
Stone Co., E. B. &
A. L.
Western Develop-
ment Syndicate

Damp Proofing.
Brickley, P. J.
Coyle, Jos. A.
Fox, John L.
Keene Co., R. E. G.
Reagle & Jamel-
son
Taylor, L. A.
Whittier - Coburn
Company.

Door Opener and
Closer.
Rischmuller, Geo.

Electric Fixtures.
City Electric Co.
Gas & Elec. App.
Co.
Pac. Gas & Elec
Company.

Electric Wiring &
Equipment.
American Elec.
Eng. Co.
Central Elec. Co.
Decker Electrical
Construction Co.
Farnsworth Elec-
trical Works.
General Electric
Constr. Co.
Globe Electric
Works
Hicks & Folte
Kirsten, W. H.
Lauder, H. I.
Manhattan Elec-
tric Co.
National Electric
Co.
Newberry - Bend-
heim Elec. Co.
Peters, Gus. J.
Rex Electric Con-
struction Co.
Ridley, A. E. B.
Rochdale Elec. Co.
Schmetschek, M.
Turner Co. The
Vitt Elec. Co.
Weidental - Gos-
liner Elec. Co.
Wetel Electric Co.

Elevator Builders.
Otis Elevator Co.
S. F. Elevator Co.
Van Emon Eleva-
tor Co.

Estimator.
Dillon, H.

Elite Sheet Metal
Works
Guilfooy Cor. Wks.
Comyns & Nygren
Forderer Cornice
Works
G. & M. Sheet
Metal Works.
Hibernia Sheet
Metal Works
Hughes, H. J.
Ideal Cornice Co.
Korell & Co., J. A.
Modern Sheet
Metal Works
Morrison & Co.
U. S. Metal Prod-
ucts Co.
Western Furnace
& Cornice Co.
S. F. Metal Stamp
& Corr. Co.

- Morser, E. J.**
Peterson, P. O.
Priddle, Arthur
Walker, J. M.
Church
- Floors, Composition.**
Artolith Mfg. Co.
Bender R.&P. Co., J. W.
Dwan Co., J. E.
Fibrestone & Roofing Co.
Flaherty R. & P. Co., R. H.
Malott & Peterson
- Floors, Hardwood.**
Hardwood Int. Co.
Inlaid Floor Co.
Pac. Floor Sanding Co.
- Galvanized Iron.**
Baker & Hamilton
Berger Mfg. Co.
Gas Fixture.
Day Co., Thomas
- Gas Heating Systems.**
Reactor System
Gas Heating Co.
- Gasoline Tanks & Pumps.**
Brown, F. R.
Blaisdell Mch. Co.
- Glass & Glazing.**
Cal. Plate & Window Glass Co.
Friedman Bros.
Fuller Co., W. P.
Grosslicht & Dinlene
Habenicht & Howlett
Mixed Plate & Window Glass Co.
Pioneer Plate & Window Glass Co.
Schwartz & Gottlieb
- Grading.**
Branick, J. P.
Carlin Bros.
Cassaretto, John
Davincenzi & Co., L.
Dillon Teaming Co.
Federal Transfer Co.
Glorgi Co., G.
Hartnett J. D.
Harbor View Contract Co.
Hule Co., E. M.
Lennon Co., J. E.
Leffer, Fred
McGlitchey & Monahan
Montague Co., P.
O'Day Co., Dan'l
O'Donnell, Phillip
Powers, Chas. J.
Hibley Grading & Teaming Co.
Star Con. Co.
Wright Co., J. H.
- Granite Curbing.**
Graham Granite Co.
- Lead Granite Co., W.**
Pacific Granite Co.
Tronoff, John
- Gravel.**
Bay Develop. Co.
Cal. Building Material Co.
Cassaretto, John
City Supply Co.
Standard Crushed Rock Co.
Star Contracting Company
Stone Co., E. B. & A. L.
- Hardwood Dealers.**
Inlaid Floor Co.
Hardwood Interior Co.
Union Floor Co.
- Wood Lumber Co., E. K.**
Hd'ware, Dealers.
Baker & Hamilton
Bennett Bros.
Kruse, J. H.
Joost Bros.
Meyer, Adolph
Norman & Sons, F. G.
Palace Hd'ware Co.
S. F. Hd'ware Co.
Smith Co., P. A.
- Heating & Ventilating.**
Atlas Heating & Ventilating Co.
Kiernan & O'Brien
Hurley Co., J. C.
Lawson, Herman
Looney Co., J.
Mangrum & Otter
Snook & Co., Fred W.
Torrid Zone Furnace Co.
Turner Co., The
Wilson, Robt. M.
- House Movers & Raisers.**
Hatch, H. L.
Pearson, N. H.
Sullivan, D. J. & T.
- Holisting Engineer.**
Le Clair, S. D.
- Inlaid Floors.**
Hardwood Interior Co.
Inlaid Floor Co.
Pac. Floor Sanding Co.
- Interlocking Tile Blocks.**
California Denison Block Co.
- Iron Foundry.**
Steiger & Kerr, Stove & Foundry Co.
Iron & Steel.
Baker & Hamilton
Dawson & Noyes
Judson Mfg. Co.
Pacific Coast Steel Company.
Trussed Concrete Steel Company.
Woods & Huddart
- Iron Works.**
Brode Iron Wks.
Dyer Bros.
Eureka Wire & Iron Wks.
Golden Gate Iron Works
Hillard Co., C. J.
Kell Iron Works
Michel & Pfeffer
Monarch Iron Works
Pacific Iron Wks.
Pacific Structural Iron Works.
Ralston Iron Works
S. F. Iron Works
Sartorius Co.
Schraeder's Iron Works
Steiger & Kerr Stove & Foundry Co.
Vulcan Iron Wks.
West Coast Wire & Iron Works
Western Iron Works
- Joist Hangers & Post Caps.**
Falls Mfg. Co.
Pac. Bldg. Materials Co.
Roman Co., C.
Waterhouse & Price Co.
Western Bldrs. Supply Co.
- Lathers, Wood & Metal.**
Balzke, Robt.
Edwards, C. H.
Hayden, Fred
Kaiser, Jos.
McAbee, E. T.
Raymond, Wm. H.
Snell, Ralph L.
- Lighting Fixtures.**
Day Co., Thomas
Mohillite Co.
- Lime & Plaster Dealers.**
Arden Plaster Co.
Cal. Lime & Hydrate Co.
Cowell Lime & Cement Co.
Guerin & Co., J. S.
Lennon Co., J. E.
Pacific Portland Cement Co.
Western Lime & Cement Co.
- Lumber Dealers.**
Acme Lumber Co.
Christenson Lumber Co.
Columbia Lumber Co.
Doe Co., Frank P.
Excelsior Redwood Co.
Hardy Lumber Co.
Hart-Wood Lumber Co.
Hauptman Lumber Co.
Kruse Co., J. H.
Hooper Lumber Co.
Higgins Lumber Co., J. E.
Loop Lumber Co.
MacDonald Lumber Co.
Moore Mill and Lumber Co.
Oakley, —
Olson — Mahony
Lumber Co.
Peterson, E. T.
Pope & Talbot
Reinhart Mill & Lumber Co.
Ryan, George
Santa Clara Valley Mill & Lumber Co.
Santa Fe Lumber Co.
S. F. Lumber Co.
Schouten & Co., J. W.
Sunset Lumber Co.
Tierman & Beronle
Van Arsdale-Harris Lumber Co.
Wilson Bros. & Co.
Wood Lumber Co., E. K.
Wright, Jr., Wm.
- Magnesite Flooring.**
Artolith Mfg. Co.
Bender R.&P. Co.
Dwan & Co., J. M.
Fibrestone & Roofing Co.
Flaherty R.&P. Co. R. H.
Goodmanson, A. K.
Malott & Peterson
Watsonite Co.
- Mantels, Tiles & Grates.**
General Building Work Co.
Ginsberg Bros.
Mangrum & Otter
Peerless Agencies Co.
- Marble and Mosaic Work.**
General Building Work Co.
Gnecco, M. H.
Grassi & Co., P.
Mission Concrete & Mosaic Wks.
Mission Marble Works.
Musto Sons-Keenan Co.
New Era Marble & Concrete Co.
Teltz, Francis E.
Tomagnini & Co., G.
Vermont Marble Co.
- Metal Lath.**
Atlantic Fireproofing Co.
Berger Mfg. Co.
Holloway Metal Lath Company.
- Waterhouse & Price**
Western Builders' Supply Co.
- Metal Stamping.**
S. F. Metal Stamping & Corr. Co.
U. S. Metal Products Co.
- Notary Public.**
Duncan, A. M.
- Oils and Greases.**
Standard Oil Co.
Union Oil Co.
- Ornamental Plastering.**
Benkman, Ed. G.
- Painters and Decorators.**
Baker Co., W. T.
Bell, Wm. J.
Bernstein, Wm.
Blum, Louis
Brown, J. L.
Burns Bros.
Clark & Dickson
Cramer Bros.
Conlin, J. J.
Copnick, T. W.
Dahl, T. H.
Donovan, V. J.
Hansen, Elbing A.
Johnson, C.
Kissel, Isidor
Miller, L.
Miller, J. A.
McCubbin, James
Manning, John
Neal, L. J.
Progressive Painting Co.
Quandt & Son
Ruderman, I.
Simon Nelson Co.
Smith, J. S.
Sovig, C. B.
Trost, C. R.
Walk, Mayer
Wagner, Fred
Wagner Bros.
Zelinsky, R.
- Paints, Oils Varnishes, Etc.**
Clark & Dickson
Cohn & Co., Marion D.
Fuller Co., W. P.
O'Brien, J. S.
Paint Products Corporation
Paraffine Paint Co.
Pratt & Lambert
Whittier - Coburn Co.
- Patent Chimneys.**
Clawson Co., L. E.
Dresser - McDon Hughes, H. J.
- Pile Driving.**
Lamburth, C. E.
- Paving Brick.**
Cal Brick Co.
- Planing Mills.**
Acme Plgn. Mill
Anderson Bros.
Atlas Planing Mill Co.
Builders' Supply Depot
Cal. Door Co.
Cal. Planing Mill.
Emanuel, L. & E. (Inc.)
Empire Planing Mill
Hart & Burmeister
Hermann, A.
Herring's Mill
Holden - Deuprey Co.
Lorden Mill Co., I. P.
Main St. Planing Premus Planing Mill
Reinhart Lumber & Planing Mill
Ryan, George
- San Mateo Planing Mill**
Santa Clara Valley Mill & Lumber Co.
Spencer St. Planing Mill
Taylor & Co.
Western Planing Mill
Veyhle & Collins
- Plasterers.**
Bosch, Herman
Bradley & O'Reilly
Brennan, James
Campbell, Chas.
Campbell & Williams
Connell Co., J. E.
Daly, J. H.
Duthie, Chas.
Gilmour, W. G.
Jones, Francis
Kaiser, Jos.
Leaf, Al.
MacGruer & Co.
Mellon, Thos.
Modica, S.
Mowat Donald
Philbin, J. J.
Sexton, T. D.
Terranova Bros.
Wagner, James A.
- Plumbing and Gas Fitting.**
Band, S. W.
Bernard, Geo. F.
Dunn, Nell H.
Goss, Wm. P.
Grundy, Ed.
Houston, J. J.
Kara, F. E.
Kiernan & O'Brien
Lacey, E. V.
Lauder, H. I.
Lawson, Herman
Lettich, Antone
Lettich, J. M.
Looney Co., J.
May, Gus
McLeod, J. J.
Penkerton, J. H.
Skelly, Thomas
Snook & Co., Fred W.
Turner Co., The
Wetzel, Theo.
Wilson & Co., W.
- Plumbers Supplies.**
Kinney Co., R. W.
Mark-Lally Co.
Mueller Mfg. Co., H.
Nelson Mfg. Co.
Pac Sanitary Mfg. Co.
Paragon Brass Mfg. Co.
- Radiators.**
American Radiator Co.
- Railway Materials.**
Orenstein - Arthur Koppel Co.
- Rigging.**
Lamburth, C. E.
- Roofing, Gravel & Composition.)**
Bender Roofing & Paving Co.
Cantley & Co., J.
Enterprise Roofing Co.
Flaherty, R. H.
Keene Co., R. E. G.
Lawson Roofing Co.
Lewis, W. S.
Malott & Peterson
Raphel Roofing Co.
Samuel Co., H. D.
Watsonite Co.
Western Asbestos
Magnesia Co.
Western Felt and Roofing Co.
- Roofing (Slate & Tile.)**
Graham, R. G.
Klatt, R. J.
White, Ed. A.
Fibrestone & Roofing Co.
- Roofing Materials.**
Johns - Manville Co., H. W.
Paraffine Paint Co.
Waterhouse & Price
Western Asbestos
Magnesia Co.
Western Builders' Supply Co.
Whittier - Coburn Co.
- Sand, Gravel, Etc.**
Bay Develop. Co.
Cal. Building Material Co.
McMullin Bros.
Stone Co., E. B. & A. L.
Western Development Syndicate.
- Sanitary Garbage Chutes.**
Bill & Jacobsen
- Sand Blasting.**
McDermott, W.
- Sheet Metal Wks.**
Amsler Sheet Metal Works
Appman Cornice Works
Atlas Heating & Ventilating Wks
Capitol Sheet Metal Works
Comyns & Nygren
Cronan, Wm.
Crown Cornice Works
Elite Sheet Metal Works
Forderer Cornice Works
G. & M. Sheet Metal Works
Guilfooy Cornice
Hibernia Sheet Metal Works
Hughes, H. J.
Ideal Cornice Wks
Korall & Co., J. A.
Modern Sheet Metal Works
Morrison & Co.
S. F. Metal Stamping & Corr. Co.
U. S. Metal Products Co.
Western Furnace & Cornice Co.
- Sidewalk Lights.**
Jackson Co., P. H.
Dwan & Co., J. E.
Phoenix Sidewalk Light Co.
- Stair Builders.**
Bishop & Peralino
Boller, John
Jacobsen, J.
Porter, W. F.
Stewart, J. K.
- Stationery.**
Foster & Short
Wright, J. H.
- Steel Bars.**
Baker & Hamilton
Dawson & Noyes
Woods & Huddart.
- Pacific Coast Steel Co.**
Soule Co.
- Steel Erector.**
Schauer, Fred C.
Pioneer Con. Co.
Williams Construction Co.
- Store Fronts.**
Kawner Mfg. Co.
U. S. Metal Products Co.
- Structural Steel Contractors.**
Central Iron Wks
Dyer Bros.
Judson Mfg. Co.
Pacific Structural Iron Works
Pac. Rolling Mills
Schraeder's Iron Works
S. F. Iron Works
Western Iron Supply Co.
- Stoves.**
Mangrum & Otter
Steiger & Kerr

Structural Steel Contractors.

Brode Iron Wks.
Dyer Bros.
Golden Gate Iron Works
San Francisco Iron Works
Ralston Iron Wks
Vulcan Iron Wks.

Surveyors.

Morser, E. J.
Quimby, L. S.
Wetherell, Chas E

Teaming & Grading.

Branick, J. P.
Blanchini, G.

Federal Transfer & Draying Co.
Carlin Bros.
Devencenzi & Co., L.
Dillon Teaming Co.

Federal Transfer & Draying Co.
Harbor View Contract Co.

Hule Co., E. M.
Lennon Co. J. E.
Lefler, Fred
McGlinchey & Monohan
Montague Co., P.
O'Day Co., D.
Powers, Chas. J.

Sibley Teaming & Grading Co.
Star Contracting Co.
Wright Co., J. H.

Tiling.

Cal. Tile Contr.Co.
Ginsberg & Co., S.
Mangrum & Otter
Peerless Agency Co.

Vacuum Co.
Bill & Jacobson
Hughson & Merton Co.
Schaer Bros.
Stevens Co., Frank A.

Hyde Henry C.
United Elec Co.
Wall Beds.
Marshall - Stearns Co.

Water Company.
Spring Valley Water Works.

Whitewashing
Briekley, P. J.
Reigle & Jameison
Taylor, L. A.

Waterproofing
Coyle, Jos. A.

Window Cleaning.
American Window Cleaning Co.

Windows. Patent.
Simplex Window Co.

Central Electric Co.
City Electric Co.
De Lew, M. A.
Decker Electric Co
Globe Elec. Co.
Levy Elec. Co.

Elevators.
Otis Elevator Co.
Van Emon Elevator Co.

Fibre.
S. F. Fibre & Cordage Co.

Fireproof Doors.
Norris, L. A.

U. S. Metal Products Co.

Floor Sanding
Hardwood Interior Co.
Inlaid Floor Co.
Pacific Floor Sanding Co.

Grill Work.
Cal. Art Metal & Wire Works.

Merle Co., A.
Sartorius Co.
Withington, C. W.

Gen. Contractors.
Andrus, R. C.

Brigham, H. B.
Brockhage, Foley & Green

Caldwell & Co.
Cereghino & Son, Louis

Currie & Currie
Demphak Bros.
Parquharson, D.B

Fluth, J.
Fraser & Fraser
Graham, D. E.

Griffith, Wm.
Hannah, J. D.
Tannah & Co. J.S.

Haves, W. W.
Jackson, A.
Kuykendall, J. O.

Malley, Edward.
Matthies, Henry
Mulcahy, James

Peacock, John
Schnebley, Host-trawser & Ped-griff

Glass and Glazing
Cal. Plate & Window Glass Co.

Cohen, I.
Cobbledick-Kibby Glass Co.

Friedman Bros.
Fuller, W. P. & Co.

Habenicht & Howlett
Holland, J. P.

Schwarz & Gottlieb (Inc.)

Grading & Teaming.
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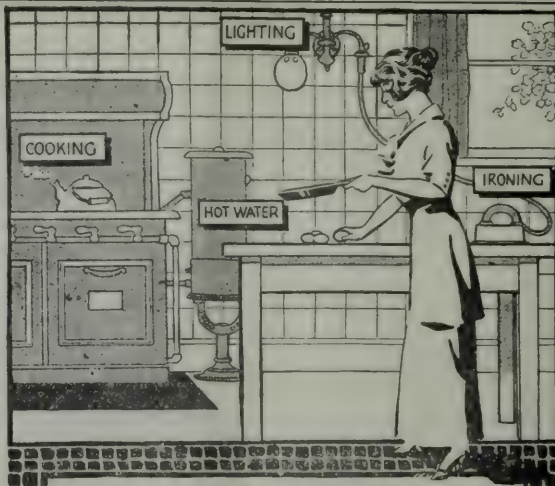
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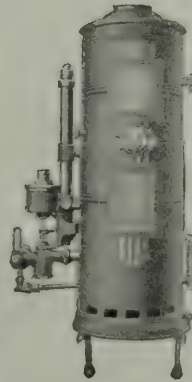
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San Francisco, April 21, 1915

Fifteenth Year, No 16



Devoted to the Architectural, Engineering, Building and Industrial Activities of the Pacific Coast.

Circulates among the leading Architects, Engineers, Surveyors and Contractors and Municipal Authorities on the Pacific Coast.

Entered as second-class matter at San Francisco Post Office under act of Congress of March 3, 1879.

ISSUED EVERY WEDNESDAY

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Publisher and Proprietor.
SAN FRANCISCO OFFICE
560 Mission Street.

Telephone—Douglas. 2372.

OAKLAND OFFICE

1011 Franklin St., Builders' Exchange.

Telephone Oakland, 790

Advertising Rates on application. If enquirers will send copy of matter and state space required, close figures will be given.

Subscription Rates—One Year, \$3.00; Two Years, \$5.00; Five Years, \$10.00, payable strictly in advance. Single copies, 15c.

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Editorial Comment.

The building record for the month of March shows a decrease as compared with the same month of last year from 15 to 20 per cent. At that the total has gradually increased since the beginning of the year, so that if the volume has decreased the relation of the months of the year is normal. Considering that the greater part of the world is now engaged in destroying what the past generations have upbuilded the record is not discouraging. Reports from more than 70 cities, made to the American Contractor, for the month of March show the following record, as compared with last year:

City	March, 1915.	March, 1914.
Akron	\$ 437,605	\$ 288,160
Albany	342,855	947,900
Atlanta	267,417	561,644
Berkeley	110,950	263,550
Birmingham	154,555	236,595
Buffalo	830,000	660,000
Cedar Rapids	152,000	170,850
Chicago	7,403,750	8,111,150
Cincinnati	1,356,124	863,810
Cleveland	4,022,035	4,070,255
Columbus	519,200	655,995
Dallas	147,690	807,213
Dayton	112,465	363,885
Denver	181,130	311,610
Des Moines	119,365	275,750
Duluth	159,128	181,961
East Orange	86,732	214,608
Evansville	402,327	107,215
Fort Wayne	254,290	176,775
Grand Rapids	260,429	1,239,253
Harrisburg	152,750	111,500
Indianapolis	889,349	784,404
Kansas City	848,595	1,516,380
Los Angeles	1,124,063	2,179,756
Lincoln	97,450	73,000
Louisville	518,100	654,400
Manchester	83,080	136,610
Memphis	379,835	370,300
Milwaukee	942,921	696,183
Minneapolis	1,372,530	2,093,915
Montclair	131,908	119,701
Nashville	190,570	229,980
Newark	643,392	321,240
New Haven	825,470	425,380
New Orleans	194,385	230,609
New York City	14,081,951	16,447,662
Manhattan	4,965,380	7,912,254
Bronx	2,668,112	1,831,168
Brooklyn	4,296,815	3,736,130
Queens	1,906,152	2,831,855
Richmond	245,492	136,255
Oakland	500,373	625,907
Oklahoma	45,711	161,875
Omaha	332,860	321,165
Peoria	159,175	500,285
Portland	503,755	882,965
Philadelphia	5,388,265	5,175,530
St. Paul	822,621	2,312,919
Pittsburgh	1,006,997	958,616
Richmond	284,826	539,842

Rochester	1,000,000	775,030
Sacramento	148,725	236,171
San Francisco	2,048,534	3,507,763
San Diego	91,285	262,686
Salt Lake City	209,385	307,150
San Jose	97,971	79,315
St. Joseph	50,903	44,736
St. Louis	1,268,878	1,450,034
Schenectady	81,336	156,713
Seranton	116,974	48,808
Seattle	689,675	923,480
Shreveport	47,479	122,503
Sioux City	167,675	286,535
Spokane	102,660	86,335
Springfield, Ill.	88,920	79,140
Stockton	140,314	105,481
Syracuse	520,533	143,700
Tacoma	192,450	137,968
Toledo	763,258	556,928
Topeka	56,030	46,220
Troy	68,106	16,999
Utica, N. Y.	94,855	37,735
Washington	714,826	1,544,778
Wilkes-Barre	257,752	44,303
Worcester	364,095	351,228
Total	\$58,252,100	\$70,061,081

MORAL ASSET.

Measured by the absolute standard of dollars and cents, on cold-blooded business calculation, the realizable asset of a country is the moral character of its people. As, for instance:—A few years ago an American engineer was sent to investigate the possibilities of irrigation in a certain arid region of Northern Brazil. Upon investigation he ascertained that the land in question was good land, that abundant water was available by pumping, that abundant capital was available and at his disposal for drilling, pumping and ditching machinery, that there was plenty of available labor, and that the natives had no superstitions or other objections to irrigation, but were anxious for the water and knew how much it would benefit them. Nevertheless, after much effort and struggle, the scheme had to be given up as a failure. The whole failure was lack of moral character on the part of the people. Business men would not keep their contracts, nor laborers their agreements; land could not be bought, sold, or rented with safety; water leases and agreements were worthless; property was not secure, and there was no safe or honest market for the products of the reclaimed soil. So finally the efficiency engineer, as a matter of cold-blooded business, recommended to his company that it import at its expense a large corps of missionaries and school teachers. The most profitable business investment the company could make, he found, would be churches and schools, and the most salable commodity would be moral character.—Fresno Republican.

An Analysis Of Modern Ventilation Theories.

By J. M. W. Kitchen, M. D.

It is a comforting thing for a ventilating doctor to have a good theory on which to base his practice, as well as for the medical doctor to have a sound scientific theory on which to found his efforts for the prevention and cure of abnormal conditions. The present movement attributing the evils of poor ventilation to superheat, humidity and air stagnation alone, reminds one of the poor-fit theories that have been adopted so frequently in past times by the medical profession to bolster their more or less successful practice.

There is no question as to the influence of heat, humidity and air stagnation as being in part, at least, the cause of the evil influences of poor ventilation, but it is not clear that deficiency in oxygen content and the presence of bacteria and volatile organic toxic matters are not also causative.

Diseases May Be Due to Many Causes.

Up to the present moment we note that various writers ascribe to single specific causes the incidents of rheumatism, cancer and other conditions. As causative of the former trouble, we have had attributed lactic acid, uric acid, intestinal ptomaines, including indican, specific bacteria having selective affinity for the affected tissues, and other specific causes. Yet there is not the slightest reason to doubt that a multitude of causes may be at work inciting and keeping up rheumatic conditions, including poor heart action, following insufficient exercise, poor gastric digestion, too much protein in the food supply, chilling the bodily surface, straining of the affected parts, and defective action of the kidneys, lungs, skin and intestines. More or less of these influences take part in causing rheumatism in its various forms.

All the causative influences that have been suggested as causing the evils of poor ventilation may be at fault; and probably are usually at work in causing ill effects to health. Those which are immediately obvious to perception include humidity and heat; but those which are more slowly perceptive in their effect are those which gradually depress vital activity. The mere presence of carbon dioxide in large percentages need not be considered as being particularly immediately deleterious, for the body is habituated to the presence of that influence; but the absence of oxygen has much to do with determining the sum total of bodily activity. This is clearly shown by the various effects of different atmospheric pressures.

Volatile Organic Matters May Be Irritating, If not Poisonous.

There is considerable reason to believe that the presence of volatile organic poisons emanating from bodily activity may have both undesirable depressing, as well as irritating, influences. If the individual's own body

suffers from auto-generated toxic matters originating in the alimentary tract and diffused through the body, why should not a fellow human being suffer from the effects of some of those same materials escaping from the body in the expired air and from the cutaneous surfaces? Volatized alcohol and nicotine in the atmosphere breathed can unquestionably injuriously affect the body through their inhalation. I have discovered that volatile emanations from bacterial action in the hides of dairy cattle are conveyed to milk by being breathed by cows; and there is no more reason to doubt that such volatile substances may be toxic to some degree than there is to doubt that bacterial decompositions of proteids generate toxic poisons or that the fumes of burned tobacco are poisonous.

As a matter of fact, there is no living form of matter that cannot be killed by the volatile fumes of tobacco, it being merely a question of degree and time of the exerted influence.

Susceptibility to influence varies in different individuals, and in the same individuals at different times. Persons who are habituated to the influences of bad air do not apparently show the effect of such influences while unhabituated persons would immediately show bad results. The world is still very ignorant and finds it difficult to connect effects with long distance and cumulative causation.

The capable engineer-doctor should protect his patrons from all evil influences which may have an ultimate evil effect, the ultimate evil depressive influences of defective supplies of oxygen and non-aerial dilution of volatile excretory matters from the human body or from any other organic decompositions.

Importance of Being Guided by Our Senses.

The fact that we cannot mathematically weigh or otherwise compute these matters in foul air is no evidence that they do not exist. We must base our theory as to their nature and presence upon the results produced by their influence. We can smell and taste and feel influences as to which we have no other method of computation, and if any one insists that these undefinable matters do not exist or are not deleterious, why is it that one feels immediately the influence of air surcharged with the respiration of many human beings, such as is experienced when one enters the subway cars and before any mere influence of heat or moisture on the body can be exercised? Even in heated and depressive atmospheric conditions, the depressing influence is probably due to the interference with quick transportative interchange of carbon dioxide and oxygen in the respiratory effort.

One may breathe very hot air without experiencing discomfort, if the air is pure, for a considerable time without experiencing discomfort. One

may be subject to great heat, as in a hot water bath, for a long time, if one is breathing pure air.

So long as the world is so ignorant as to unknown influences, which affect our bodies for good or evil, we are not justified in coming to definite conclusions in regard to those possible, but not understood influences; and this, it seems to me, should be applied in this matter of ventilation.

We should breathe clean, fresh air, having normal constituents as to its best proportions of oxygen to develop our best activities. Other things being equal, the more oxygen we have in the air we breathe, the stronger we are to accomplish the activities of life.

Compressed air means more oxygen to breathe. A diffused induced draft means oxygen diffusion. Hence a plenum draft induces more vital activity than the exhaust draft, and the person working at the sea level is capable of greater activities than the person working at higher levels. This is apparently due to the fact that every respiratory effort succeeds in utilizing a larger amount of oxygen. It is certain that various excretory volatile matters matters from the human body produce nausea, loss of appetite and other disturbances, and if that result is commonly to be observed, we have no right to say that there are not injurious matters in poor air other than heat, moisture and lack of movement.

WHITE-LEAD PAINT BANISHED BY LAW.

France Has Forbidden Its Use and Other European Nations Have Prescribed Drastic Rules for Painters.

Comprehensive national laws prohibiting all working painters from using white lead or products containing it in any form, have recently become effective throughout France. This legislation, aimed at the commonest source of lead poisoning, is the most drastic step yet taken in the attempt to check the ravages of this industrial disease.

Plumbism, as this malady is known, is a subject which has commanded much scientific study and provoked almost continuous discussion in Europe during the last decade. Extensive inquiries into its causes and effects have resulted in the enactment of severe laws in Great Britain, Germany, and other countries. Although similar investigations have been made in the United States, Illinois alone has passed laws intended to lessen the dangers to which painters are subjected.

Lead poisoning is caused by the absorption of the mineral into the system through the respiratory organs, the alimentary canal, or the skin. Its victim may have been exposed to its dangers for only a few days, or for years. The disease manifests itself in many different ways. The victim may

become blind, be seized with paralysis in the form of "wrist drop" or "ankle drop," lose his mind, develop heart trouble, or Bright's disease, or die in a few hours from a combination of disorders.

Carelessness, ignorance, and uncleanness are listed as the causes of lead poisoning among painters. Such common practices as holding the paint-brush between the teeth, placing putty in the palms of the hands, eating before thoroughly washing the hands and removing the working clothes, using tobacco while working, and other similar customs, that bring the lead into contact with the skin or into the mouth are strictly forbidden by European laws. One of the most dangerous occupations, according to European investigations, is that of sand-papering a lead-painted surface. Fine particles of lead dust are given off which the worker cannot avoid breathing. Another fruitful source of plumbism is in burning off old paint, while the dust given off by the clothes worn by painters is almost equally dangerous.

The new French law, which was enacted some five years ago but is only just now in full effect, rules that "the use of white lead, of linseed oil mixed with lead, and of all specialized products containing white lead is forbidden in all painting, no matter what its nature, carried out by working painters either on the outside or on the inside of buildings." As in England, Germany, Austria, Belgium, and the Netherlands, there are numerous laws which regulate the work in the various branches of the lead industry, requiring medical examination, prompt report of all cases of the disease, and stipulating even the kind of clothes worn by workers, what they must do before eating, and what provisions must be made at workshops for their personal cleanliness. Austria has prohibited the use of white lead for all interior work. The International Congress of Industrial Hygiene has considered the advisability of entirely prohibiting the use of it in all of the countries represented. A study of hospital reports in New York City has shown that out of 60 deaths resulting from lead poisoning in two years, 40 of the victims were painters. Out of 100 apparently able-bodied painters who were examined, 59 had chronic lead poisoning. Of 1,000 Chicago painters who answered questions asked by the Department of Labor, more than a third exhibited symptoms of plumbism.

All of the foregoing facts together with much additional information on the subject are contained in official reports of the U. S. Department of Labor, which has compiled the results of investigations in Europe and America.

AMERICAN LOCOMOTIVES FOR NEW ZEALAND.

[Wellington dispatch in Sydney (Australia) Herald, Jan. 25.]

The Government has placed an order with the American firm of Burnham, Williams & Co., Philadelphia, manufacturers of Baldwin engines, for 10 of their locomotives of the first class. The Minister for Railways (Mr. Herries) says that, in accepting the ten-

der, the Government followed the procedure adopted by Sir Joseph Ward in 1902, when he imported from the United States 47 locomotives and 60 passenger coaches to meet the congestion caused by increased traffic. Ten engines were imported from England, and only 2 were manufactured in the Dominion in 1899.

The present Government does not propose to import any passenger coaches or freight cars. The Baldwin Co.'s offer was immeasurably the best received, as to both price and time of delivery, the latter being an important point, as time was the essence of the contract. The best English offer was from the North British Co., which was to complete 10 engines in seven months ready for shipping at a cost of £4,780 (\$23,262) per engine, whereas the Baldwin offer was to complete 10 engines in 60 days at a price of £3,229 (\$15,714) per engine. It was considered important to get the engines out in New Zealand in time for Easter, and it is practically certain that this will be done.

The Baldwin engines that have previously been imported by the New Zealand Government and the Manawatu Co. have given great satisfaction. They are liked by the railway employees who have been using them. Ten Garrett engines will be obtained from Great Britain, so that the total number authorized will be equally divided between Great Britain and the United States. These imported engines will all be of a heavy type, equal, if not superior, in tractive powers to the heaviest engines at present on the New Zealand railways.

SUPPLIES FOR CHILEAN RAIL-

[Commercial Attache Verne L. Havens, Santiago, Feb. 23.]

Diario Oficial states that on account of the war and the consequent difficulty of delivery from various bidders, authority is granted to the State railways to purchase lubricating, illuminating, and linseed oil, paint, shovels, rivets, springs, burners, chimneys, bolts, glass, etc., by private bids. The total value of the articles mentioned is \$100,000, United States currency.

STEEL AND IRON AT HONGKONG.

[Consul General George E. Anderson, Hongkong, China, Feb. 20.]

Present indications are that the United States will be called upon to supply the market in south China for metals of various sorts, particularly steel and steel parts. An order has been placed by a local firm within the past few days for a considerable quantity of round and square steel plates, and the broker handling the order finds he must go to the United States for the materials. There is an increasing demand for American tin plate and for nails.

The larger part of the supply of iron and steel for this market normally comes from Belgium and Great Britain. The Belgian mills are entirely out of the market, of course, at the present time, while apparently the British mills are not able to furnish these materials at as low a price as American mills can now quote. Freight rates, on the whole, also are now favoring American

manufacturers. The demand in such lines calls particularly for steel and iron rods and bars, cobbles and wire shorts, nails and rivets, sheets and plates. Imports of such goods into China proper will reach an average value of \$2,750,000, of which Hongkong furnishes perhaps one-fourth. Hongkong also has a very large trade in such goods for use in Hongkong shipyards and other industries, and for local construction work, and also for export to Indo China, the Philippines, various South Sea islands, and other portions of the Far East.

STATE FORESTER ADVISES CAMPERS.

At present there is a measure before the California Legislature seeking to provide for a forest protection system. Whether this measure becomes a law or not, it is essential that those who enjoy spending their vacations in the woods be familiar with the fire hazards which threaten their play grounds every summer. During the last season there were 1810 fires reported, and many of these could easily have been avoided.

Mr. G. M. Homans, the State Forester, urgently advises that all campers this season make and keep their camp sites as nearly as possible fire proof.

Never go away and leave an open fire unattended if it is in the vicinity of brush and grass. Don't forget that one moment of carelessness with a camp fire, cigar stump, lighted match or cigarette is apt to result in days of anxious and expensive fire fighting.

Never break camp without thoroughly extinguishing your camp fire.

Remember that the genuine camper, the skilled woodsman is as careful about building and putting out his fire as he is about feeding his horse or having gasoline in his automobile tank.

Don't forget that if you let a fire get away from you, you have wronged the State and have subjected yourself to just criticism from your friends, who now think that you are a fine woodsman.

Don't hesitate to tell another when you think he is being careless with fire.

If you find a beautiful camp site, try to leave it more attractive than you found it.

THE LUMBER TRADE OF THE PORT OF VANCOUVER.

The lumber export business from Vancouver for 1914 shows a falling off as compared with the previous year, 13 vessels carrying lumber cargoes having sailed last year, as against 17 for 1913. Of the total shipments, aggregating over 26,000,000 feet, Australia took 6,159,748 feet; South Africa, 6,758,807 feet; and Great Britain, 3,931,243. Other lumber cargoes from the port were, in feet: Fiji Islands, 859,364; Japan, 955,600; and the United States, 3,500,000. The feature shipment of the year in timber products was 3,000,000 feet of creosoted railway ties to India. The total lumber exports were less than during any 12-month period for the last 5 years.

ADVANCE NEWS

Classified according to Character of Work

APARTMENT HOUSES.

SAN FRANCISCO—Apartment house, 4 story and base, steel and brick, \$32,000. Architect, W. F. Gunnison, Nevada Bank Bldg., S. F. Owner's name withheld. The building will be erected on Sutter street near Hyde, having a frontage of 55 and a depth of 120 feet. The interior has been arranged for a number of apartments of three and four rooms. Interior finish will be of pine and hardwood. Hardwood floors will be used in the living rooms, dining rooms and reception halls. All apartments will have private entrances and reception halls. There will be wall beds, steam heat, elevator service, vacuum cleaning and hot water supply. Bath rooms will have tile floors and wainscot. Entrance will be finished in marble and tile. Ornamental plaster will be used in the entrance hall. The building will be finished in pressed brick trimmed with terra cotta. Plans are now being prepared.

SAN FRANCISCO—Apartment house, 3 story and base, frame, \$17,500. Architects, Rousseau & Rousseau, French Bank Bldg. Owner, Gerard Investment Co., 110 Sutter street, S. F. The building will be erected at the corner of Pine and Mason streets, covering an area of 23 by 62½ feet. The first floor will contain a number of stores. Upper floors will be arranged for four large apartments. Interior finish will be of pine and hardwood, with hardwood floors in the living and dining rooms. There will be steam heat. All apartments will have wall beds and private baths. Bath rooms will be finished in tile. Marble and tile wainscot will be used in the entrance. The exterior of the building will be finished in cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor. Materials are now being purchased.

SAN FRANCISCO—Apartment house, 3 story and base, frame, \$19,500. Architect, O. R. Thayer, 20 Montgomery street, S. F. Owner, Mrs. W. A. Goericke. The building will be erected on the southwest corner of Clayton and Fell streets. There will be a total of 45 apartments of two, three and four rooms. Interior will be finished in pine and Philippine mahogany. Hardwood floors will be used in the living and dining rooms. Plans provide for steam heat and hot water system. Portable vacuum cleaners will be used. All apartments will be equipped with wall beds. Bath rooms will be finished in tile and composition floors. Exterior of the building will be faced with cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor. Materials are now being purchased.

SAN FRANCISCO—Apartment house, 4 story and base, Class C construction, \$18,000. Architect, Albert

Schroepfer, Foxcroft Bldg., S. F. Owner, L. D. Stoff. The building will be erected on the south side of Bush street west of Leavenworth. The building will contain eight large apartments. Interior finish will be of pine and redwood with hardwood panels. Hardwood floors will be used in the living and dining rooms. All apartments will have wall beds and private baths. Bath rooms will be finished in tile with composition floors. Plans provide for automatic elevators, steam heat and a hot water service. Marble and tile wainscot will be used in the entrance. Exterior of the building will be finished with pressed brick trimmed with terra cotta. Plans are complete and the work will be done by Day Labor under the supervision of the architect.

SAN FRANCISCO—Apartment house alteration, 2 story and base, frame, \$3,000. Architects, O'Brien Bros., 240 Montgomery street, S. F. Owner, Judge Shotwell. The present two-story frame dwelling located on Ashbury street near 16th will be altered into a modern apartment house. There will be three apartments of three, four and five rooms. The work will include interior finish, plastering, painting, electric work, plumbing and a hot water system. Some exterior alteration will also be made. Plans are complete and figures are now being taken.

BERKELEY, ALAMEDA CO., CAL.—Apartment house, 3 story and base, \$20,000. Architect, W. L. Schmolle, 166 Geary street, S. F. Owner, Mrs. Lina Dabney. The building will be erected on the southeast corner of College and Derby streets, and has been designed for a number of stores on the first floor and modern apartments on the upper two floors. Apartments will consist of two and three rooms. Interior finish will be of pine and redwood with some elm panels. Hardwood floors will be used in the living and dining rooms. There will be furnace heat and a hot water system. All apartments will have wall beds and private baths. Tile wainscot and composition floors will be used in the bath rooms. Patent store fronts are specified. Exterior of the building will be covered with cement plaster on metal lath. Plans are complete and figures are now being taken.

FRESNO, FRESNO CO., CAL.—Apartment house, 2 story and base, frame, \$15,000. Architect, J. Carl Thayer, Fresno. Owner, Ralph Walford. The building will be erected on Stanislaus and M streets, and will cover a considerable ground area. The interior has been arranged for a number of two and three room apartments. Pine and redwood with some elm panels will be used for interior finish. Hardwood floors are also specified. All bath rooms will have tile wainscot and composition floors. Wall beds will be used. There will be furnace heat and a hot water system. Exterior of

the building will be covered with cement plaster on metal lath. Plans are complete and figures are being taken.

PORTLAND, ORE.—Apartment house, 3 story and base, brick, \$30,000. Architect, Aaron H. Gould, Henry Bldg., Portland. Owner's name withheld. The building will be located on Davis street, covering an area of 40 by 100 feet, and has been arranged to contain thirty apartments of two and three rooms. All apartments will have wall beds and private baths. Interior finish will be of pine and hardwood. Hardwood floors will be used in the living and dining rooms. Plans provide for steam heat and an automatic elevator, hot water system and vacuum cleaning. Bath rooms will be finished in tile. Exterior of the building will be finished with pressed brick. Plans are complete and figures are being taken.

OAKLAND, CAL.—Apartment house, 2, 2 story and base, frame, \$20,000 each. Architects, Rousseau & Rousseau, 100 Sutter street, S. F. Owners, Clyde Investment Co. These buildings will be erected on the east line of Third avenue south of East 14th street. Each building has been designed for a duplex apartment to contain sixteen rooms. Interior finish will be of pine, redwood and hardwood. Bed rooms will be finished in white enamel. Hardwood floors will be used in the principal rooms. Plans provide for steam heat, hot water system, wall beds and vacuum cleaning. All apartments will have private baths. Bath rooms will be finished in tile wainscot with composition floors. Ornamental plaster will be used in the lobby. Exterior will be covered with cement plaster on metal lath. Plans are complete and sub-figures are now being taken.

BERKELEY, ALAMEDA CO., CAL.—Apartment house, 3 story and base, frame, \$30,000. Architect, Harris Allen, Central Bank Bldg., Oakland. Owner, Mrs. Alice Rickard. The building will be erected on Bancroft Way east of College avenue, and has been designed to contain a number of two and three room suites. All apartments will have wall beds and private bath rooms. Interiors will be finished in pine and hardwood. Some hardwood floors will be used. There will be a steam heating system and hot water supply. Bath rooms will be finished in tile. Exterior of the building will be covered with cement plaster on metal lath. Plans are now being prepared.

SAN FRANCISCO—Apartment house, 3 story and base, frame, \$37,500. Architect W. G. Hind, 46 Kearny street, S. F. Owner, Dr. R. W. Payne. The building will be erected at the northwest corner of Jones and Sacramento streets, covering a considerable area. There will be a total of 24 apartments, arranged in suites of two and three rooms. Interiors will be finished in pine and hardwood with hardwood floors in the living and dining rooms.

Plans provide for steam heat, an automatic elevator and dumb waiters. A hot water supply will also be installed. Bath rooms will be finished in tile. Marble and tile wainscot will be used in the entrance. Exterior of the building will be covered with cement plaster on metal lath. Plans are complete and segregated figures are being taken.

Contracts Awarded.

SEATTLE, WASH. — Apartment house, 3 story and base, brick and concrete, \$40,000. Architect, R. L. Robertson, Orpheum Theatre Bldg., Seattle. Owners, Brown & Cassells. Contractors, John McGrath and E. K. Heble, Northern Bank Bldg., Seattle. Contract price, \$40,000.

BATH HOUSES.

STOCKTON, SAN JOAQUIN CO., CAL. — Mineral baths, 1 story, frame, \$0-00. Architect, Ralph P. Morrell, Odd Fellows' Bldg., Stockton. Owners, the Olympia Baths, Inc. The building will be erected at the northeast corner of East and Main streets, and will cover a considerable ground area. The design is in the Mission style. Included in the work will be a large concrete tank 60 by 120 feet. Special mechanical equipment, water filters and water heaters will be installed. Considerable tile wainscot is specified. Exterior of the building will be covered with rustic and cement plaster on metal lath. Plans are now being prepared.

BONDS.

MARTINEZ, CONTRA COSTA CO., CAL. — With surveys and estimates now completed, the citizens of Contra Costa County are preparing to ask for a bond issue of \$150,000 for the construction of a thirty-mile boulevard from Oakland through the Mt. Diablo district to connect with the State highway near Santa Rita.

CHULA VISTA, SAN DIEGO CO., CAL. — Bond in the sum of \$32,000 have been voted for the erection of a new and modern grammar school building. Work on the structure is expected to commence immediately, as it is the intention of the school trustees to have the building completed for the fall term.

LONG BEACH LOS ANGELES CO., CAL. — An election will be held on May 10th when the voters will be asked to pass on the proposal of issuing bonds of \$50,000 to provide funds for the erection of a general and emergency hospital project. From present indications it is thought that the issue will carry.

MONROVIA, LOS ANGELES CO., CAL. — An election will be held on April 27th to decide the question of issuing bonds of \$35,000 for new school buildings. This will be the second vote on this question, the measure having been defeated at the last election held.

TEHACHAPI, KERN CO., CAL. — The proposition to bond the town of Tehachapi for \$8,000 to provide funds for the installation of a lighting system carried by a vote of 113 in favor of the issue and 11 against. It is expected to have the system installed within ninety days after the sale of the bonds.

ORENCE, ORE. — The directors of the Orence School Board have called a special election for April 22nd for the purpose of voting bonds to build an addition to the present school building.

MIAMI, ARIZ. — The Board of Supervisors have started to advertise the sale of bonds of \$75,000 to provide for a new high school building at Miami.

MT. VERNON, WASH. — Members of the Board of Union High School District No. 1 have voted to hold a special election on May 15th to submit to the people the question of issuing bonds of \$60,000 to raise the necessary funds to build a new high school.

EL PASO, TEXAS. — An election will be held on May 11th to determine whether or not the city of El Paso shall issue bonds of \$500,000 for the purchase of sites and erecting school buildings.

FAIRFIELD, SOLANO CO., CAL. — The Fairfield Trustees have decided to submit to the electors a proposition to bond the city to the amount of \$50,000 for street improvements.

It is proposed to rock and oil all the streets within the city limits, except Texas street and Union avenue, which already have been paved, and the street on the northern boundary, only half of which is within the corporation limits.

About seven miles of thoroughfare will be improved if the issue is approved.

DAVENPORT, WASH. — The bond issue for \$40,000 to provide for the erection of a school building has been purchased by the State which bid 5 per cent.

MONTEREY, MONTEREY CO., CAL. — An ordinance calling a bond election for widening and opening of certain streets, the establishment of a city park and improvements to the city fire department has been passed to print by the City Council. The date set for the election is April 29th.

GOLDFIELD, NEV. — The electors of Spark have turned down the bond issue providing for \$35,000 to erect a high school building. There were 90 votes cast in favor of the issue and 390 against.

OROSI, TULARE CO., CAL. — A school bond election will be held in the Orosi Union High School District, Tulare County, on April 23rd, at which time the question of issuing and selling bonds of \$28,000 will be decided. The proceeds of the sale will be used in the building of one or more school buildings.

E. C. Archer is the Clerk of the Trustees of the school district, and from whom further information relative to the sale may be had.

SAN LUIS OBISPO, SAN LUIS OBISPO CO., CAL. — A called meeting was held here to discuss the proposed \$1,500,000 bond issue for the purpose of building better roads in the county and also bridges and laterals over and to the main roads. The meeting was attended by delegates from the various supervisorial districts and the proposition was thoroughly discussed.

A resolution was adopted in which was incorporated that an executive committee be appointed to draw up plans for the proposed road building and for laterals and the building of bridges as required by each district. The plans when completed are to be submitted to the Board of Supervi-

sors at their May meeting with a proper drawn petition as required by the laws of California for the purpose of calling for the said bond election.

The report of the executive committee is to be final and is to be drawn to suit each locality. The County Surveyor is to be instructed to furnish the committee with estimates, etc., for building of the easiest and hardest part of the roads, and the moneys voted are to be distributed equally among each of the districts.

Various plans were discussed as to the best and cheapest method of building such roads as planned. While some wanted roads built as constructed by the Highway Commission at a cost of from \$10,000 to \$15,000 per mile, others wanted roads constructed of rock macadam at a cost of from \$3,500 to \$5,000 per mile.

REDONDO, LOS ANGELES CO., CAL. — At a special election, the citizens voted in favor of erecting a V-shaped pier, extending from the end of the bath house to Emerald street.

It will be 900 feet in length and of reinforced concrete construction. Geo. W. Harding, Washington Bldg., Los Angeles, has been selected as consulting engineer. The cost of the pier is estimated at \$121,000. Bonds for the work were voted several weeks ago.

EAST SAN DIEGO, SAN DIEGO CO., CAL. — A special election will be held in this city on May 4th to vote on the question of issuing bonds in the sum of \$70,000 for the acquisition of the municipal water system. It is proposed to pay \$41,000 for the Fairmount Water Company's system and to expend \$29,000 on improvements.

FRESNO, FRESNO CO., CAL. — The following school bond issues have been sold by the County Supervisors: Kingsburg Joint Union High School, \$40,000; Orange Cove, \$9,000, and Alta School District \$7,000.

EAGLE ROCK CAL. — The Board of Trustees is planning the improvement of Central avenue. The cost will be about \$30,000 and a portion of the expense is to be borne by a general bond issue.

POMONA, LOS ANGELES CO., CAL. — The proposed bond issue of \$15,000 for street work and \$10,000 for culverts, failed to carry at an election recently held in Pomona.

WOODLAKE SCHOOL DISTRICT, TULARE CO., CAL. — Bonds of \$40,000 for the erection of a new high school building have been voted in the Woodlake School District. The Trustees are D. W. Davis, W. V. Brown, Albert Ragle, Mrs. J. E. Howard and D. C. Cole.

FLORENCE ARIZ. — A special election has been called by the Board of Supervisors for Pinal County for the purpose of voting bonds in the sum of \$150,000 for the improvement of the county highways. The sum of \$45,000 will be required for the construction of bridges at Kelvin and Winkleman, and the remainder will be used for road work.

GALT, SACRAMENTO CO., CAL. — By a vote of seven to one the voters of the Galt School District voted in favor of the bonds to provide for the erection of a new school building. The bonds were for \$17,000. A whole block bounded by Fifth, Sixth, E and F streets is the site selected for the new structure.

ANDERSON, SHASTA CO., CAL.—Word has been received from Sacramento that State Engineer McClure has approved the survey and estimates of the Anderson-Cottonwood Irrigation District, and that Governor Johnson has signed the Validation Act, a measure that legalizes all steps taken so far, even though a mistake may have been made in the complicated procedure of organizing an irrigation district.

There is nothing now in the way of calling a bond election and proceeding with the development of the irrigation project designed to bring water to 32,000 acres in the valley around Anderson and Cottonwood.

UKIAH, MENDOCINO CO., CAL.—The proposition of bonding the town for \$12,000 to purchase better fire fighting apparatus is now under consideration and action on calling an election is expected soon. Fire Chief Frank Le Porte has been obtaining opinions for the past week, and reports that many of the business men are in favor of the proposition.

PALO ALTO, SANTA CLARA CO., CAL.—The City Council at a recent meeting passed an ordinance providing for the sale of the \$9,500 subway bonds, a portion of the issue of \$334,500 voted in 1914, and also providing for the issuance of the \$40,000 bonds recently voted for water mains, sewers and fire hydrants. Of this latter issue \$20,000 will be sold at this time to provide funds for constructing water mains, sewers and fire hydrants in advance of the paving to be done this year and next year. The Clerk of the Council has been instructed to advertise for bids for the \$20,000 bonds to be sold.

OAKDALE, STANISLAUS CO., CAL.—An agreement between the Sierra & San Francisco Power Company and the Oakdale & South San Joaquin Irrigation Districts, by which the district will buy storage water, to be created by the construction of the \$10,000,000 Strawberry dam, will be submitted to the people of the irrigation communities at an early date. At a meeting of the joint district boards, held this week, a committee was named to confer with the power company and arrange for an agreement by which the irrigation districts would co-operate with the power company, instead of fighting it.

VISALIA, TULARE CO., CAL.—Determined to be fully prepared to secure the necessary \$475,000 State Highway bonds with which to guarantee the work in this county, the Board of Superintending the firm of Bird & McDonald of San Francisco, stock brokers, to buy the necessary bonds for this county and sell them again. The Board at the same time pledged itself to make up the shrinkage. The bond men were given power to bid a premium if necessary.

STOCKTON, SAN JOAQUIN CO., CAL.—Unless present plans of the city miscarry an election will be held early in June to determine whether the City Council shall issue bonds in the amount of \$350,000 for sanitary sewers. The proposed bonds will run forty years and bear interest at 5 per cent.

The need of a new sewer system is generally recognized and it is believed that the bonds will carry by a large majority.

BRIDGES AND DAMS

RICHMOND, CONTRA COSTA CO., CAL.—Bridge, steel and reinforced concrete, \$120,000. Engineer, County Surveyor, Martinez. Owners, Contra Costa County. Plans and specifications for the bridge to span the Old and Middle Rivers, and which will cost \$120,000, have been adopted by the County Supervisors. The plans call for a total span of 542 feet, which includes the approaches at both ends. The steel structure over each river will be 257 feet long, making a total of 514 feet. There will be a 21-foot driveway and plenty of room on either side for pedestrians. The Board has not yet issued a call for bids, but stated it will do shortly.

RIO VISTA, SOLANO CO., CAL.—Bridge, timber and concrete. Cost not stated. Engineers, County Surveyors of Sacramento and Solano Counties. Plans for the piles and pile driving in connection with the construction of the trestle over the Sacramento River near Rio Vista have been completed and figures are now being taken. Bids will be opened on May 3rd.

UKIAH, MENDOCINO CO., CAL.—Bridge, timber and concrete. Cost not stated. Engineer, County Surveyor, Ukiah. Owners, Mendocino County. Plans and specifications have been adopted by the Board of Supervisors for the construction of a bridge across Ash Creek in the First Supervisorial District and bids will be received until May 4th at 2 p. m.

COLUSA, COLUSA CO., CAL.—Bridges, 12, reinforced concrete. Cost not stated. Engineer, County Surveyor, Colusa. Owners, Colusa County. Plans for the construction of twelve more reinforced concrete bridges have been completed and figures are now being taken. Bids will be opened by the Board of Supervisors on May 4th. Plans and specifications can be secured from the office of the County Clerk or County Surveyor at Colusa.

REDDING, SHASTA CO., CAL.—Bridges, 18, steel and reinforced concrete, \$200,000. Engineer, County Surveyor, Redding. Owners, Shasta County. Eighteen bridges will have to be built in Shasta County along the line of the State Highway. It is estimated that the total cost will be \$200,000. They will be constructed of steel or reinforced concrete, according to conditions. The longest structure will cross the Sacramento River near Antler—850 feet. The bridge across the Pit, near Baird, will be 750 feet in length; Cottonwood Creek, 750 feet, and Slate Creek, 700 feet. Each of fourteen of the bridges will be less than 200 feet in length. Plans are now being prepared.

SUISUN, SOLANO CO., CAL.—Bridge, reinforced concrete. Cost not stated. Engineer, County Surveyor, Fairfield. Owners, Solano County. Plans and specifications for the construction of a reinforced concrete bridge across Alamo Creek on the route of the State Highway have been adopted, and the Clerk has been instructed to advertise for bids. Bids will be opened on May 3rd.

PORTLAND, ORE.—Viaduct, reinforced concrete. Cost not stated. Engineer, County Surveyor, Portland. Owners, Multnomah County. Plans for a large reinforced viaduct, which will

be erected on the Columbia River Highway, have been completed and are now out for figures. The work will include the following approximate quantities: 260 cubic yards of class A concrete in the foundations, 52 cubic yards, same, in the superstructure, 47,400 pounds reinforcing steel. Plans and specifications can be secured from the State Highway Commissioners, Salem. Bids will be opened on May 3rd.

Contracts Awarded.

SAUSALITO, MARIN CO., CAL.—Bridges, 2, reinforced concrete, \$1,390,80. Engineer, County Surveyor, San Rafael. Owners, Marin County. Contractor, S. P. Brownlee, Kentfield. Contract price, \$1,390.80.

FACTORIES AND WAREHOUSES

EMERYVILLE, ALAMEDA CO., CAL.—Factory, 1 story, reinforced concrete. Cost not stated. Architect, W. L. Schmolle, 166 Geary street, S. F. Owner, Marchant Calculating Machine Co. The building will cover a considerable ground area and will be fireproof throughout, with reinforced concrete floors, walls and roof slabs. Interior will be finished in pine. A large amount of special machinery is specified. Exterior of the building will be of cement plaster. Plans are complete and figures are being taken.

SEATTLE, WASH.—Automobile factory, 2, 2 story and base, reinforced concrete, \$125,000. Architect, none. Owner Ferris Auto Repair Co., 101 Broadway, Seattle. Plans have been prepared for two buildings—a garage and a machine shop, which will be erected in North Seattle. The garage will cover an area of 80 by 127 feet, and will be one-story in height. The repair building will cover an area of 60 by 127 feet, and will be two stories in height. Construction will be fireproof. Plans are in the hands of the owner and the work will be done by Day Labor.

Contracts Awarded.

LOS ANGELES, CAL.—Warehouse, 4 story and base, reinforced concrete, \$21,634. Architect, A. C. Martin, Higgins Bldg., L. A. Owner, August Wolfarth. Contractors, Alta Planning Mill Co., 830 McGarry street, L. A., general construction, \$21,634.

THE DALLES, ORE.—Factory, 1 story and base, reinforced concrete, \$60,000. Architect, C. J. Crandall, The Dalles. Owners, Libby, McNeil & Libby. Contractor, Frank Leonard, Lewis Bldg., Portland. Contract price, \$60,000.

FLATS

SAN FRANCISCO—Flats, 3 story and base, frame, \$8,000. Architect, Paul F. De Martini, 2123 Powell street S. F. Owner's name withheld. The building will be erected on Stockton street near Greenwich, and has been designed to contain three modern flats with a private garage in the basement. Each of the flats will contain six rooms. Interior finish will be of pine and redwood with some elm panels. Hardwood floors will be used in the living rooms and dining rooms. There will be open fire places with tile or brick mantels. Tile wainscot will be used in the bath rooms. Automatic water heaters are specified. Exterior

of the building will be covered with shiplap and cement plaster on metal lath. Plans are now being prepared.

SAN FRANCISCO—Flats, 2 story and base, frame, \$5,000. Architects, O'Brien Bros., 240 Montgomery street, S. F. Owner, Mrs. Ackerman. The building will be erected on Diamond street north of 19th street, and has been designed to contain two flats of five and six rooms each. Interior finish will be of pine and redwood. There will be two open fire places. Mantels will be of tile or brick. Imitation tile wainscot will be used in the bath rooms and kitchens. Automatic water heaters will be installed. Exterior of the building will be covered with rustic and cement plaster on metal lath. Plans are complete and figures are being taken.

SAN FRANCISCO—Flats, 3 story and base, frame, \$6,500. Architect, Paul F. De Martini, 2123 Powell street, S. F. Owner's name withheld. The building will be erected on Greenwich street near Powell, and has been designed to contain three flats of five and six rooms each. Interior will be finished in pine and redwood. Some hardwood floors will be used. The living rooms will have a large open fire place with tile or brick mantel. Imitation tile wainscot will be used in the bath rooms and kitchens. Exterior will be covered with rustic and cement plaster on metal lath. Plans are complete and figures are being taken.

SAN FRANCISCO—Flats, 2 story and base, frame, \$4,000. Architect, Paul F. De Martini, 2123 Powell street, S. F. Owner's name withheld. The building has been designed to contain two modern flats of four and five rooms, and will be erected on Green street, near Montgomery. Interior finish will be of pine and redwood. Some oak floors will be used. There will be open fire places and tile or brick mantels. Tile wainscot will be used in the bath rooms. Automatic water heaters are specified. Exterior of the building will be covered with cement plaster on metal lath. Plans are now being prepared.

SAN FRANCISCO—Flats, 3 story and base, frame, \$8,500. Architect, Paul F. De Martini, 2123 Powell street, S. F. Owners, A. and J. Dezirollo, 1847 Minna street. The building will be erected on the south side of Chestnut street east of Buchanan, covering an area of 30 by 67 feet. There will be six modern flats. Interior will be finished in pine and redwood with some elm panels. Hardwood floors will be used in the living rooms, dining rooms and reception halls. There will be open fire places and automatic water heaters. Mantels will be of tile and brick. Imitation tile wainscot will be used in the bath rooms and kitchens. Exterior of the building will be covered with rustic and cement plaster on metal lath. Plans are complete and a contract will be awarded within the next few days.

SAN FRANCISCO—Flat alteration, 3 story and base, frame, \$3,500. Architect, Sidnew B. Newsom, Nevada Bank Bldg., S. F. Owner's name withheld. A large three-story and basement building located on Noe street will undergo extensive alteration. Included in the work will be new plastering, plumbing, electric work, painting, some interior finish and hardwood floors. The exterior will also be altered and the front faced with cement

plaster on metal lath. Plans are complete and figures are being taken.

SAN FRANCISCO—Flat alteration, 2 story and base, frame, \$2,000. Architect John Ettler, 604 Mission street, S. F. Owner, L. B. Bingley. This work will consist of adding two rooms to the present building located at 1451 Page street, installing hardwood floors and new interior trim, plumbing, electric work and painting. Plans are complete and figures will be taken at once.

GARAGES

Contracts Awarded.

SAN FRANCISCO—Garage, 2 story and base, reinforced concrete, \$40,000. Architects, Smith & Stewart, 244 Kearny street, S. F. Owner, Louis Gassner. Contractors, McMullin-Van Voorhies Co., 110 Jessie street, S. F. Contract price, \$40,000.

Contracts Awarded.

SAN FRANCISCO—Garage, 3 story and base, reinforced concrete, \$35,000. Architects, O'Brien Bros., 240 Montgomery street, S. F. Owner, Charles F. Hanlon, Phelan Bldg. Contractor, P. A. Palmer, Monadnock Bldg., S. F. Contract price, \$35,000.

GOVERNMENT WORK & SUPPLIES

Lake Washington, Pumping Plant.

The contract for a pumping plant for Lake Washington canal locks has been awarded to R. D. Wood & Co., of Philadelphia, Pa., at \$30,776.19. The bids were opened by the U. S. engineer, Seattle, Wash.

San Xavier Indian School.

All bids received by the commissioner of Indian affairs, Washington, D. C., for the construction of three combination adobe day school buildings at the San Xavier School, Ariz., have been rejected and the work readvertised. New bids will be opened April 10.

Light-House Service, Lanterns, Etc.

The following bid was received by the light-house inspector, 17th district, Portland, Ore., for two lanterns and ten accumulators, etc., for Apple Cove Point and Pully Point lights:

American Gas Accumulator Co., Philadelphia Pa., \$1,985.50; accepted.

Letterman Hospital, Dormitory.

Awards have been made as follows for work in connection with the nurses' dormitory at the Letterman General Hospital, California:

The Turner Co., San Francisco, Cal., plumbing, ward for general cases, \$2,490; do, addition to nurses' dormitory, \$2,540; heating, do, \$825; Crane plumbing fixtures to be used.

F. P. Walsh, San Francisco, Cal., heating, ward for special cases, \$432.

Butte Engineering and Electric Co., San Francisco, Cal., electric wiring, ward for special cases, \$693.

E. A. Maxwell, San Francisco, Cal., electric fixtures, ward for special cases, \$159; wiring in addition to dormitory, \$580; light fixtures in do, \$312.

Pearl Harbor, H. T., Elevator.

The following bids were received by the chief of the bureau of yards and docks, Navy Department, Washington, D. C., for an electric passenger elevator in the naval hospital at the naval station, Pearl Harbor, H. T.:

Otis Elevator Co., Washington, D. C., \$1,670.

Llewellyn Iron Works, Los Angeles, Cal., \$5,980.

Albro-Clem Elevator Co., Philadelphia, Pa., f. o. b. Philadelphia, \$2,960.

Olympia, Wash., Vault Shelving.

The contract for installing metal vault shelving in the U. S. post office at Olympia, Wash., has been awarded to the Steel Fixture Mfg. Co., Topeka, Kans., at \$1,081.

Seattle, Wash., Repairs.

The contract for repairs to sash, partition, and constructing cases, etc., the U. S. post office (old) at Seattle, Wash., has been awarded to Victor Boutan at \$646.

Bozeman, Mont., Plaster Models.

The contract for furnishing plaster models for the U. S. post office at Bozeman, Mont., has been awarded to Lombard & Ludwig, Washington, D. C., at \$205.

Salt Lake City, Utah, Painting.

The contract for painting in the U. S. post office at Salt Lake City, Utah, has been awarded to Merrill & Zehring, Salt Lake City, Utah, at \$3,900; time to complete 90 days.

Miles City, Mont., Post Office.

The contract for the construction, complete, of the U. S. post office at Miles City, Mont., has been awarded to the Hiram Lloyd Building & Construction Co., St. Louis, Mo., as follows. Using limestone for all exterior stonework except where granite is required, the building to be brick-faced design with stone trimming, \$85,517; plus alternate 1, painting all plastered walls of finished rooms throughout the building and finishing ceilings in distemper, \$2,300; less amount included for all interior lighting fixtures, \$1,000; net amount, \$86,817; time 16 months. The right was reserved to reinstate the lighting fixtures any time prior to July 15, 1915.

Navajo School, Ariz., Dormitory.

The following bids were received by the commissioner of Indian Affairs, Department of the Interior, Washington, D. C., for the construction of an addition to the stone dormitory for girls at the Western Navajo School, Ariz.:

W. B. Lovell, Minneapolis, Minn., \$27,500; 180 days.

T. C. Hurst, Phoenix, Ariz., \$33,935.20; 150 days.

Hetzel-Winget Co., Grant Building, Los Angeles, Cal., \$25,250; 150 days.

Horton-Smith, Montezuma, Ia., \$30,989; 150 days.

FORT WINFIELD SCOTT, CAL.—Timber crib construction. Cost not stated. Engineer, Constructing Quartermaster's Office, Fort Mason. Owners, U. S. Government. Plans have been completed and are now out for figures for the construction of a large timber crib to be erected at Fort Winfield Scott. Plans are complete and can be secured from the office of the constructing quartermaster. Bids will close on April 21st. An official proposal appears in another column of this issue.

HALLS AND SOCIETY BUILDINGS

SONORA, TUOLUMNE CO., CAL.—Club House, 2 story and base, frame,

\$4,000. Architects, Hutchinson & McLean, 470 13th street, Oakland. Owner, A. B. Russell. The building has been designed for a club house. It will contain a social room and ball room. Interior will be finished in pine. There will be furnace heat and a large open fire place. Mantel will be of stone. A maple floor will be used in the ball room. Exterior of the building will be covered with rustic. Plans are complete and in the hands of the owner who will do the work by Day Labor.

STOCKTON, SAN JOAQUIN CO., CAL.—Country club, 1½ story and base, frame, \$10,000. Architect, E. B. Brown, Yosemite Bldg., Stockton. Owners, Stockton Golf Club. The building will be erected on the bank of the San Joaquin River, just outside of the city limits of Stockton. It has been designed to resemble a large residence which will contain a number of sleeping rooms, social rooms, dining hall and a completely equipped kitchen. A ball room will also occupy a large portion of the building. Interior finish will be of pine and redwood. Hardwood floors will be used. There will be furnace heat and open fire places. Mantels will be of tile or brick. Exterior of the building will be faced with cement plaster on metal lath. Plans are complete and figures are now being taken.

HOTELS

SAN FRANCISCO—Hotel, 3 story and base, frame, \$11,000. Architect, J. R. Miller, Lick Bldg., S. F. Owners, John Brickell Co. The building will be erected on the north side of Broadway west of Montgomery street, covering an area of 46 by 100 feet. There will be two stores and a saloon on the first floor. The upper floors will be arranged for a number of single rooms and baths. Interior finish will be of pine throughout. Composition tile floors will be used. There will be a hot water system. Patent store fronts are specified. Exterior of the building will be covered with rustic and cement plaster on metal lath. Plans have been out for figures and contracts will be awarded shortly.

LIBRARIES

WILLITS, MENDOCINO CO., CAL.—Library, 1 story and base, reinforced concrete, \$10,000. Architects, Fabre & Bearwald, Merchants' Exchange Bldg., S. F. Owners, Town of Willits. The building has been designed in the classic style, and will contain public space, stack room and office for the librarian. The basement will be used as an assembly hall. Interior finish will be of pine with maple floors. There will be furnace heat. Metal stacks are specified. Exterior of the building will be covered with cement plaster on metal lath. Plans are complete and figures are now being taken.

SAN FRANCISCO—Library, 3 story and base. Class A construction, \$1,000,000. Architect, George William Kelham, Sharon Bldg. Owners, City and County of San Francisco. Bids have been received for the structural steel work but have not been opened. There were six bids, two from eastern cities. The next work to be advertised for will be the stone work. California granite is specified.

NEWMAN, STANISLAUS CO., CAL.—Library, 1 story and base, brick. Cost not stated. Architect, Ernest J. Kump, Rowell Bldg., Fresno. Owners, City of Newman. The building has been designed in the classic style and will cover an area of 30 by 60 feet. There will be a large reading room, stack rooms and office for the librarian. Interior will be finished in pine with hardwood floors. Metal book stacks are specified. Exterior of the building will be faced with cement plaster. Plans are now being prepared.

MACHINERY.

SAN FRANCISCO—Machinery. Cost not stated. Engineer, City Engineer, Temporary City Hall Bldg., S. F. Owner, City and County of San Francisco. Bids opened for logging machinery and saw mill equipment at the last meeting of the Board of Public Works show the Western Equipment Co. low at \$2,950 for the logging equipment, and Harron, Rickard & McCone low on the saw mill equipment at \$4,958.25. Contracts will probably be awarded at the next meeting of the Board. A complete list of the bids appears under another heading in this issue.

MAUSOLEUM.

HANFORD, KINGS CO., CAL.—Mausoleum, reinforced concrete, \$40,000. Architect's name not given. Owner, J. Clarence Rice. The building will be erected in Hanford Cemetery within the next sixty days. The design is in the classic style and will be of reinforced concrete throughout. Plans provide for about 200 crypts. Interior will be finished in marble and Caen stone. Considerable art glass and ornamental bronze are specified. Plans are in the hands of the owner who will let all contracts.

MONUMENT.

SAN JOSE, SANTA CLARA CO., CAL.—Memorial monument, bronze and marble. Cost not stated. Architect, August Headman, New Call Bldg., S. F. Owner, Neglee Memorial Association. Plans have been completed for the memorial shaft to be erected in St. James Park by the Neglee Memorial Association. There will be a concrete foundation, a marble shaft of pink Tennessee marble, with a bronze head and bronze tablet. Plans are complete and figures are now being taken.

POST OFFICES

WILLOWS, GLEN CO., CAL.—Post office, 2 story and base, brick and steel, \$75,000. Architects, Bliss & Faville, Balboa Bldg., S. F. Owners, United States Government. Plans for this building have been approved by the authorities in Washington and will be forwarded to San Francisco at once. No details have been made public. Further mention of the work will be made when bids are called.

RAILROAD CONSTRUCTION AND EQUIPMENT

Contracts Awarded.

SEATTLE, WASH.—Railroad construction. Cost not stated. Engineer's

name not given. Owners, Bellingham & Northern Railway Co. Contractors, Twohy Bros., Railway Bldg., Portland. The contract covers the construction of twelve miles of grade in Northern Washington.

RESIDENCES.

SAN FRANCISCO—Residence, 2 story and base, frame, \$2,500. Architect, none. Owner, C. H. Woods, 353 29th avenue, S. F. The dwelling will be erected on the east side of 29th avenue south of California, and has been designed to contain five rooms and bath. Interior will be finished in pine and redwood. Hardwood floors will be used in the living and dining rooms. There will be an open fire place with tile or brick mantel. An automatic water heater will be installed. Bath room and kitchen will be finished in imitation tile. Exterior of the dwelling will be covered with cement plaster and rustic. Plans are complete and in the hands of the owner who will do the work by Day Labor.

SAN FRANCISCO—Residence alterations and additions, frame construction. Cost not stated. Architect, Henry Shermund, Mills Bldg., S. F. Owner, R. H. Fialo, 2651 Baker street. The present two-story frame dwelling located at 2651 Baker street will undergo alterations and additions. Two rooms will be added to the present structure to the lot line and a new front will be built. Hardwood floors, new interior trim, open fire places, tile mantels, new plumbing, electric work and painting are included in the work. Plans have been figured and the contract will be awarded shortly.

SAN FRANCISCO—Residence, 2 story and base, frame, \$4,000. Architect, none. Owner, J. M. Peters, 1010 Balboa street, S. F. The dwelling will be erected on the east line of 20th avenue south of Clement street, and has been designed to contain seven rooms, bath and sleeping porch. The interior finish will be of pine and redwood and some hardwood veneer. Hardwood floors will be used in the principal rooms. There will be furnace heat and open fire places. Mantels will be of tile and brick. Tile wainscot will be used in the bath room. An automatic water heater is specified. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor.

SAN FRANCISCO—Residences, 4, 2 story and base, frame, \$2,500 each. Architect, Jos. M. Geary, 2581 Post street. Owner, J. H. Kruse, 23rd and Shotwell streets, S. F. The dwellings will be erected on the north side of College Terrace west of Mission street. The dwellings have been designed to contain five rooms and bath. Interiors will be finished in pine and redwood. Some hardwood floors will be used. There will be open fire places with brick or tile mantels in the sitting rooms. Bath rooms and kitchens will have imitation tile wainscot. Automatic water heaters are specified. Exterior of the dwellings will be covered with rustic and cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day

Labor. Materials are now being purchased.

SAN FRANCISCO—Residences, 2, 2 story and base, frame, \$2,500 each. Architect, none. Owner, A. V. Anderson, 1604 10th avenue, S. F. These two houses will be erected on the east side of 19th avenue south of Balboa street. Each has been designed to contain six rooms and bath. Interior finish will be of pine and redwood with some hardwood veneer. Hardwood floors will be used in the living rooms and dining rooms. There will be large open fire places with tile or brick mantels. Imitation tile will be used in the bath rooms and kitchens. Automatic water heaters are specified. Exteriors will be covered with rustic and cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor.

BERKELEY, ALAMEDA CO., CAL.—Residences, 2, 2 story and base, frame, \$3,500 each. Architect, C. H. Miller, Dalziel Bldg., Oakland. Owner's name withheld. These houses will be erected in Thousand Oaks Park, and each is designed to contain six rooms, bath and sleeping porch. Interior will be finished in pine and redwood, with some hardwood veneer. Hardwood floors will be used in the living rooms, dining rooms and reception halls. Plans provide for furnace heat and open fire places. Mantels will be of tile and brick. Tile wainscot will be used in the bath rooms. Automatic water heaters are specified. Exteriors will be covered with cement plaster on metal lath. Plans are now being prepared.

OAKLAND, CAL.—Residence, 2 story and base, frame, \$7,500. Architect, Chas. W. McCall, Central Bank Bldg., Oakland. Owners, Alta Piedmont Land Co. The dwelling will be erected in the Crocker Highlands, and has been designed for a five room house with two baths and sleeping porch. Interior finish will be of pine and hardwood with white enamel in the bed rooms. Hardwood floors will be used in the principal rooms. There will be a Rector system of heating. Open fire places with brick or tile mantels will also be used. Bath rooms will be finished in tile. Automatic water heaters are specified. A separate garage will be erected in the rear of the property. Exterior of the building will be covered with cement plaster on metal lath. Plans are complete and figures are being taken.

BERKELEY, ALAMEDA CO., CAL.—Residence, 2 story and base, frame. Cost not stated. Architect, Walter D. Reed, Oakland Bank of Savings Bldg., Oakland. Owner, Frank J. Woodward. The dwelling will be erected on Durant avenue, and has been designed for an eight-room house with two baths and sleeping porch. Interior finish will be of pine and redwood with white enamel in the bed rooms. Hardwood floors will be used in the principal rooms. There will be furnace heat and open fire places. Mantels will be of tile and brick. An automatic water heater will be installed. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are now being prepared.

OAKLAND, CAL.—Residence, 2 story and base, frame, \$3,000. Architect, none. Owner, John A. Bischoff, 6045

Harwood avenue, Berkeley. The dwelling will be erected on the south side of 63rd street, east of Hillegass avenue, and has been designed to contain seven rooms, bath and sleeping porch. Interior will be finished in pine and redwood, with white enamel in the bed rooms. Hardwood floors will be used in the living room, dining room and reception hall. Plans provide for furnace heat and open fire places. Mantels will be of tile. Tile wainscot will be used in the bath room and kitchen. An automatic water heater is specified. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor.

BERKELEY, ALAMEDA CO., CAL.—Residence, 2 story and base, frame, \$4,500. Architect, Olin S. Grove, 2911 Telegraph avenue, Berkeley. Owner, Mr. Hunter. The dwelling will be erected on Colby street, Berkeley, and has been designed for an eight-room house with bath and sleeping porch. Interior finish will be of pine, redwood and white enamel. Hardwood floors will be used in the living room, dining room and reception hall. There will be furnace heat and open fire places. Mantels will be of tile or brick. Tile wainscot will be used in the bath room. An automatic water heater is specified. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are now being prepared.

SACRAMENTO, CAL.—Residence, 1 story and base, frame \$3,000. Architect, none. Owner, E. McKoy, 3029 E street, Sacramento. The dwelling will be erected on C street in the Casa Loma Terrace, and will contain five rooms and bath. Interior finish will be of pine and redwood. Some hardwood floors will be used. There will be an open fire place with tile or brick mantel. Bath room and kitchen will have imitation tile wainscot. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor.

SAN FRANCISCO — Residence, 2 story and base, frame, \$5,000. Architect, C. S. McNally, Mechanics' Institute Bldg., S. F. Owner's name withheld. The dwelling will be erected at the corner of 19th avenue and Anza street, and has been designed for a seven-room house with baths and sleeping porch. Interior will be finished in pine and southern gum with white enamel in the bed rooms. Hardwood floors will be used in the principal rooms. There will be open fire places and tile mantels. Tile wainscot will be used in the bath room and kitchen. An automatic water heater will be installed. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are complete and figures are being taken.

SAN FRANCISCO — Residence, 2 story and base, frame, \$4,500. Architects, Rhodes & Marisch, 3372 16th street, S. F. Owner, C. Sorenson, 67 Douglas street, S. F. The dwelling will be erected on Douglas street north of 17th, and has been designed to contain seven rooms and bath. Interior will be finished in pine and elm with some hardwood floors. There will be an open fire place and tile mantel.

Bath room will have tile wainscot. An automatic water heater will be installed. Exterior of the house will be covered with rustic and cement plaster on metal lath. Plans are complete and the work will be done by Day Labor.

SAN FRANCISCO — Residence, 2 story and base, frame, \$2,500. Architect, none. Owner, F. Nelson, 30 Presidio Terrace, S. F. The dwelling will be erected at the northwest corner of 27th avenue and Irving street, and has been designed for a six room house with bath. Interior finish will be of pine and redwood. Hardwood floors will be used in the living room, dining room and reception hall. There will be furnace heat and open fire place. Mantel will be of tile. Tile wainscot will be used in the bath room. An automatic water heater will be installed. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor.

SAN FRANCISCO — Residence, 2 story and base, frame, \$2,500. Architect, Oliver Evans, 2567A Mission St., S. F. Owners, Oliver Evans and Jennie C. Evans. The dwelling has been designed for a six-room house and will be erected on Covier street south of Mary's street. Interior will be finished in pine and redwood. Some hardwood floors will be used. There will be an open fire place and tile mantel. Bath room will be finished in tile. Exterior of the house will be covered with rustic and cement plaster on metal lath. Plans are complete and the work will be done by Day Labor.

SAN FRANCISCO—Residences, 6, 2 story and base, frame, \$2,500 each. Architect, none. Owner, J. Anderson, 423 16th avenue, S. F. These dwellings will be erected on the west side of 17th avenue south of Geary street and each has been designed to contain six rooms and bath. Interior finish will be of pine and redwood. Hardwood floors will be used in the living rooms, dining rooms and reception halls. There will be a large open fire place in each living room. Mantels will be of tile and brick. Automatic water heaters will be installed. Bath rooms will have imitation tile wainscot and floors. Exteriors will be covered with cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor.

OAKLAND, CAL.—Residence, 2 story and base, \$4,200. Architect, none. Owners Vance Anderson Co., 1327 Broadway, Oakland. The dwelling will be erected on the east side of Lake Shore Drive near Walla Vista, and has been designed for a seven-room house. Interior finish will be of pine and hardwood. Some hardwood floors will be used. Plans provide for furnace heat and open fire places. Mantels will be of tile and brick. Exterior of the house will be covered with rustic and cement plaster on metal lath. Plans are complete and in the hands of the owners who will do the work by Day Labor. Materials are now being purchased.

BERKELEY, ALAMEDA CO., CAL.—Fraternity house, 3 story and base, frame, \$15,000. Architect, Harris Allen, Central Bank Bldg., Oakland. Owners, Phi Kappa Psi. The building will be

erected on Hearst avenue, and has been designed similar to a large residence. Interior will be finished in pine and hardwood with hardwood floors in the principal rooms. There will be furnace heat and open fire places. Mantels will be of tile and brick. Bath rooms will be finished in tile and equipped with showers. A hot water circulating system will be installed. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are now being prepared.

OAKLAND, CAL.—Residence, 2 story and base, frame, \$5,000. Architect, William Knowles, Hearst Bldg., S. F. Owner, A. J. Mount. The dwelling has been designed for an eight-room house with two baths and sleeping porch and will be erected on Mara Vista avenue. Interior will be finished in pine and hardwoods with white enamel in the bed rooms. Hardwood floors will be used throughout. Bath rooms will be finished in tile. There will be furnace heat and open fire places. Mantels will be of tile or brick. An automatic water heater will be installed. Exterior of the house will be covered with cement plaster on metal lath. Plans are complete and the work will be done by Day Labor.

OAKLAND, CAL.—Residence, 2 story and base, frame. Cost not stated. Architect, H. H. Gutterson, 80 Post street, S. F. Owners, Wickham Havens, Inc. The dwelling will be erected in the Crocker Highlands, and has been designed for an eight-room house with two baths and sleeping porch. Interior finish will be of pine and hardwood with white enamel in the bed rooms. Hardwood floors will be used in the principal rooms. There will be furnace heat and open fire places. Mantels will be of tile or brick. Bath rooms will be finished in tile. An automatic water heater will be installed. Exterior of the house will be covered with cement plaster on metal lath. Plans are complete and figures are now being taken.

FRESNO, FRESNO CO., CAL.—Residences, 1 and 2 story, frame. Cost as follows. Architect, none. The following Day Labor jobs are reported as about to be started in Fresno: D. Houseplan, 333 N street, 1 story frame, \$1,800, and H. C. Triesner, Fresno, 1 story, frame, \$1,000. Plans are in the hands of the owners, who will do the work by Day Labor. Materials are now being purchased.

SACRAMENTO, CAL.—Residence, 1 story and base, frame, \$2,000. Architect, none. Owner, H. L. Weaver, 2915 S street, Sacramento. The dwelling has been designed for a five-room house with bath and sleeping porch, and will be erected on T street. Interior finish will be of pine and redwood. Some oak floors will be used. There will be a large open fire place and tile mantel. Exterior of the dwelling will be covered with rustic. Plans are complete and in the hands of the owner, who will do the work by Day Labor.

LOS ANGELES, CAL.—Residence, 2 story, attic and base, frame. Cost not stated. Architect, John C. Austin, Baker-Detwiler Bldg., L. A. Owner, M. H. Mosler. The dwelling will be erected in Fremont Square, and has been designed for a fourteen-room house with several baths, sleeping

porches and conservatory. A separate garage will be erected. Interior finish will be of pine and hardwood with white enamel in the bed rooms. There will be a central heating system and hot water circulating system. Bath rooms will be finished in tile. Hardwood floors will be used throughout. Exterior of the dwelling and garage will be covered with cement plaster on metal lath. Plans are complete and figures are being taken.

Contracts Awarded.

LOS ANGELES, CAL.—Residence, 2 story and base, brick and frame. Cost not stated. Architects, Dennis & Hewitt, Fay Bldg., L. A. Owner, Geo. E. Huntsberger. Contractors, Huntsberger-Reed Construction Co., Van Nuys Bldg., L. A. Contract price not stated.

SEWERS, STREET WORK & WATER SYSTEMS.

CALIFORNIA — Highway construction. Cost not stated. Engineer, State Highway Commission, Forum Bldg., Sacramento. Owners, State of California. Plans for highway construction in the following counties have been completed and figures are now being taken: Sonoma 6½ miles, Contra Costa 5½ miles, Monterey 3 miles, Monterey 6 miles, Monterey 3.2 miles. Bids will be opened on April 26th. Plans and specifications can be secured from the State Highway Commission.

STOCKTON, SAN JOAQUIN CO., CAL.—Sewer work. Cost not stated. Engineer, City Engineer, Stockton. Owners, City of Stockton. Resolutions of intention have been passed by the City Council and plans and specifications have been adopted for the construction of sewers in the district bounded by Lincoln, Edison, Taylor and South streets. Bids on this work will soon be called for.

STOCKTON, SAN JOAQUIN CO., CAL.—Street paving, etc. Cost not stated. Engineer, City Engineer, Stockton. Owners, City of Stockton. Plans for additional street work, grading, curbs, gutters, sidewalks and macadam pavements have been approved by the City Council and figures are now being taken. Bids will be opened on April 30th. Plans and specifications can be secured from the City Clerk's office.

SACRAMENTO, CAL.—Street paving, etc. Cost not stated. Engineer, City Engineer, Sacramento. Owners, City of Sacramento. Plans have been completed for paving, gutters, curbs, sidewalks and sewers in E street, D street and 12th street. Plans are now out for figures and bids will be opened on April 22nd. Plans can be secured from the City Clerk's office.

SANTA ROSA, SONOMA CO., CAL.—Street improvement. Cost not stated. Engineer, City Engineer, Santa Rosa. Owners, City of Santa Rosa. Plans have been completed for the improvement of Santa Rosa avenue from the bridge to the city limits. The work will include grading, macadam pavement, concrete curbs and gutters. Bids will be opened on May 4th. Plans and specifications can be secured from the City Clerk's office.

NAPA, NAPA CO., CAL.—Street work. Cost not stated. Engineer, City Engineer, Napa. Owners, City of Napa.

A resolution of intention to widen a portion of St. Sebastian street lying between the westerly line of North Brown street and the westerly line of North Seminary street, has been passed by the Napa City Council.

RICHMOND, CONTRA COSTA CO., CAL.—Street work, \$8,000. Engineer, City Engineer Chapman, Richmond. Owners, City of Richmond. Plans and specifications for the improvement of Thirteenth street, known as Mary street, have been adopted by the City Council. According to the estimate of City Engineer Chapman oil macadam will be \$3.32 per front foot.

PITTSBURG, CONTRA COSTA CO., CAL.—Sewer construction. Cost not stated. Engineer, City Engineer Oliver, Pittsburg. Owners, City of Pittsburg. City Engineer Oliver has been instructed by the Board of Trustees to make a survey of the territory at the city limits of Second street and report to the Board the estimate cost of all sewer construction needed in that locality together with plans for the work. Plans for this work will be presented at the next meeting, when bids will probably be called for.

SAN LUIS OBISPO, SAN LUIS OBISPO CO., CAL.—Sewer construction. Cost not stated. Engineer, City Engineer, San Luis Obispo. Owners, City of San Luis Obispo. The City Engineer has been instructed to prepare plans and specifications for the construction of sewers in the following streets: Mill street, between North Broad and Moro, 773 feet; Santa Rosa street, between Beech and Fig, 630 feet; Toro street, between Peach and Sycamore, to flush tank, 873 feet; Grove street, between Palm and Mill, 380 feet; Garden street, between Pismo and Buchon, 221 feet.

MODESTO, STANISLAUS CO., CAL.—Earth fill. Cost not stated. Engineer, Chief Engineer, Modesto Irrigation District, Modesto. Owners, Modesto Irrigation District. Plans and specifications for the construction of an earth fill over Indian Gulch have been adopted by the Board of Directors of the Modesto Irrigation District, and Secretary Abbott, Hearst Bldg., S. F., was instructed to advertise for bids to be received on May 4th at 2 p. m.

BAKERSFIELD, KERN CO., CAL.—Grading and culverts. Cost not stated. Engineer, County Surveyor, Bakersfield. Owners, Kern County. Plans for grading and the construction of a number of culverts along the Bakersfield-Glennville road have been completed and are now out for figures. This work covers about 5.4 miles. Bids will be opened on May 5th.

RIVERSIDE, RIVERSIDE CO., CAL.—Street work. Cost not stated. Engineer, City Engineer, Riverside. Owners, City of Riverside. Plans for the improvement of Fairmont Boulevard have been completed and are now out for figures. The work consists of macadam pavement and ornamental lighting system. Bids will be opened on April 26th. Plans at the office of the City Clerk.

SAN MATEO, SAN MATEO CO., CAL.—Light posts, ornamental iron. Cost not stated. Engineer, City Engineer, San Mateo. Owners, City of San Mateo. The City Trustees have rejected the bids received at a recent meeting for ornamental posts to be erected in San Mateo Park on account of the excessive price.

HOLLISTER, SAN BENITO CO., CAL.—Pavement. Cost not stated. Engineer, City Engineer, Hollister. Owners, City of Hollister. Resolutions relating to the paving of Monterey and South streets have been passed to print, the plans and specifications for the work having been approved. Bids will be called for shortly.

YUBA CITY, SUTTER CO., CAL.—Water supply extension. Cost not stated. Engineer, City Engineer, Yuba City. Owners, Yuba City. Finding it necessary to enlarge the municipal water plant, the Trustees have purchased a lot adjoining the engine room, on which other buildings will be erected. Plans have been agreed upon and it is thought that a call for bids will be issued shortly.

MONTEREY, MONTEREY CO., CAL.—Corrugated pipe and road work. Cost not stated. Engineer, County Surveyor, Monterey. Owners, Monterey County. Bids will be opened on May 4th for furnishing the County of Monterey with all corrugated iron pipe to be used for road and bridge work during the year. On the same date bids will be opened for the construction of a considerable amount of County Highway. Plans can be secured from the County Clerk's office.

REDWOOD CITY, SAN MATEO CO., CAL.—Highway construction. Cost not stated. Engineer, County Surveyor, Redwood City. Owners, San Mateo County. Plans have been completed for the construction of five pieces of highway work in the various road districts of the county. All roads will be of oiled macadam. Bids will be opened on May 3rd. Plans can be secured from the office of the County Clerk.

GRIDLEY, BUTTE CO., CAL.—Street paving. Cost not stated. Engineer, City Engineer Felleman, Gridley. Owners, City of Gridley. At a meeting of the City Trustees a resolution of intention was adopted to provide for the setting of grade for the paved sections, according to plans and specifications prepared by City Engineer Felleman, which have been adopted.

BAKERSFIELD, KERN CO., CAL.—Cement. Cost not stated. Engineer, County Surveyor, Bakersfield. Owners, County of Kern. Bids opened by the Board of Supervisors for furnishing the county with 90,000 barrels of cement have been rejected as no satisfactory bid was received. New bids have been ordered re-advertised.

RIVERSIDE, RIVERSIDE CO., CAL.—County highway construction. Cost not stated. Engineer, County Surveyor, Riverside. Owners, Riverside County. All bids submitted to the County Supervisors for grading and bridge building on the four-mile section of the County Highway from Temecula to the San Diego County line have been rejected. Seven bids were received for this work, but all bids were too high. New bids will be opened by the Board on April 28th.

NAPA, NAPA CO., CAL.—Street paving. Cost not stated. Engineer, City Engineer, Napa. Owners, City of Napa. A resolution of intention ordering street work on Stockton street, between Even and Wilson, has been adopted by the Napa City Council. Plans and specifications for an asphalt roadway on the new East First street bridge were also adopted.

Contracts Awarded.

MODESTO, STANISLAUS CO., CAL.—Earth fills, \$71,065. Engineer, Chief Engineer, Modesto Irrigation District, Modesto. Owners, Modesto Irrigation District. Contractors, Healy-Tibbitts Construction Co., 9 Main street, S. F. Contract price, \$71,065.

UKIAH, MENDOCINO CO., CAL.—Road construction. Cost not stated. Engineer, County Surveyor, Ukiah. Owners, Mendocino County. Contractors, Duncanson-Harrelson Co., Chronicle Bldg., S. F. Contract price, 34c per cubic yard for earth work and 50c per cubic yard for concrete.

UKIAH, MENDOCINO CO., CAL.—Road construction, \$1,285. Engineer, County Surveyor, Ukiah. Owners, Mendocino County. Contractor, Thomas Ellison, Ukiah. Contract price, \$1,285.

WILLITS, MENDOCINO CO., CAL.—Paving. Cost not stated. Engineer, City Engineer, Willits. Owners, City of Willits. Contractors, Clark-Henery Co., Stockton. Contract price not stated.

SANTA BARBARA, SANTA BARBARA CO., CAL.—Street paving, \$31,137.85. Engineer, City Engineer, Santa Barbara. Owners, City of Santa Barbara. Contractors, Municipal Improvement Co., Santa Barbara. Contract price, \$31,137.85 and \$10,346.82.

OAKDALE, STANISLAUS CO., CAL.—Extensions to irrigation system, \$15,000. Engineer, Chief Engineer, Oakdale Irrigation District. Contractor, J. H. Clark, Oakdale. Contract price, \$15,000.

BAKERSFIELD, KERN CO., CAL.—County highway construction, \$64,825.98. Engineer, County Surveyor, Bakersfield. Owners, Kern County. Contractors, Mackis & McLean, Bakersfield, Wasco-Lost Hills road; Mesmer & Rice, Bakersfield, \$47,461.40, Bakersfield-McKittrick road.

SCHOOLS.

OAKLAND, CAL.—School, 1 story and base, \$8,552. Architect, Superintendent of School Repairs, Oakland. Owners, City of Oakland. Bids opened by the Oakland Board of Education for the Lakeview addition No. 1 show J. C. Nielson low at \$8,552. All bids were referred to the legal department for further action. A complete list of these figures appears under the heading of Oakland and Alameda County.

SANTA CRUZ, SANTA CRUZ CO., CAL.—Manual training building, 1 story, frame, \$10,000. Architect, W. H. Weeks, 75 Post street, S. F. Owners, City of Santa Cruz. Figures are just being taken for the one-story frame building which will be used as a manual training school by the Santa Cruz Union High School. Interior of the building will be finished in pine with a cement floor. There will be special manual training equipment, which will be purchased under a separate contract. Exterior of the building will be covered with cement plaster on metal lath. Bids will be opened on April 22nd. Plans and specifications can be secured from the architect.

CHICO, BUTTE CO., CAL.—School, 1 story, frame. Cost not stated. Architect, State Architect George B. McDougall, Sacramento. Owners, State of California. Bids have been called for the second time on the construction of the model one story rural

school building, which is to be erected at the State Normal School at Chico. Bids for this work will close May 18th. Plans and specifications can be secured from the State Department of Engineering, Sacramento. An official proposal appears in another column of this issue.

FALL CITY, WASH.—School, 2 story and base, brick, concrete and stone, \$40,000. Architects, Stephen & Stephen, New York Bldg., Seattle. Owners, Fall City. The building will cover an area of 63 by 120 feet, and has been designed to contain eight class rooms, assembly hall and manual training and domestic science departments. Interior will be finished in pine throughout. There will be steam heat, modern school plumbing, vacuum cleaning and program clocks. Exterior of the building will be covered with pressed brick trimmed with cut stone. Plans are complete and figures are now being taken. Plans may be secured from the architects.

REDONDO, LOS ANGELES CO., CAL.—Schools, 3, brick and concrete, \$135,000. Architects, Allison & Allison, Hibernian Bldg., L. A. Owners, Redondo Union High School District. The three buildings will include an administration building, three stories high, covering an area of 84 by 120 feet, a science and household building and commercial building, each two stories high and covering areas of 62 by 102 feet. Stairways and corridors will be of reinforced concrete. Interior finish will be of pine with maple floors. There will be a steam heating system, modern school plumbing, vacuum cleaning and program clocks. Exteriors will be faced with cement plaster with tile inlays. Clay tile roofs will be used. Plans are complete and figures will be called for shortly.

MT. VERNON, WASH.—School, 3 story and base, brick, \$60,000. Architects, Stephen & Stephen, New York Bldg., Seattle. Owners, Mt. Vernon School District No. 1. The building will contain sixteen class rooms, and departments for manual training and domestic science. Interior will be finished in pine with maple floors in the class rooms. A central heating system will be installed. There will be program clocks and vacuum cleaning. Exterior of the building will be faced with pressed brick and terra cotta. Plans are complete and figures will be called for at once.

Contracts Awarded.

LOS ANGELES, CAL.—School, 2 story and base, brick, \$31,739. Architects, Train & Williams, Exchange Bldg., L. A. Owners, City of Los Angeles. Contractors, Willard-Brent Co., Baoker-Detwiler Bldg., L. A. Contract price, \$31,739.

WATTS, LOS ANGELES CO., CAL.—School, 2 story and base, brick, \$19,250. Architects, Tuttle & Angel, Delta Bldg., L. A. Owners, Watts Grammar School District. Contractor, H. E. La Rue, Watts, general construction, \$19,250; Foss & Jones, Pasadena, heating and ventilating, \$3,133, and J. S. Lange, Watts, plumbing, \$1,435.

LOS ANGELES, CAL.—School, 1 story and base, brick, \$19,475. Architects, Train & Williams, Exchange Bldg., L. A. Owners, City of Los Angeles. Contractor, M. N. Yesberg, 1650 Morton street, L. A. Contract price, \$19,475.

STORES AND OFFICES.

OAKLAND, CAL.—Stores, 1 story and base, frame, \$13,000. Architect, Walter D. Reed, Oakland Bank of Savings Bldg., Oakland. Owner, Walter Arnstein. The building will be erected at the gore corner of 28th and Broadway, and will contain a large number of stores. Interiors will be finished in pine and hardwood. Patent store fronts are specified. Exterior of the building will be covered with cement plaster on metal lath. Plans are complete and out for figures.

OAKLAND, CAL.—Free market, 1 story and base, brick, \$25,000. Architects, Rousseau & Rousseau, 110 Sutter street, S. F. Owner's name withheld. The building will be erected at the southwest corner of Seventh and Washington streets, and will cover an area of 100 by 100 feet. Interior will be arranged for a number of stalls and will be finished in pine and white tile. The floor will be used. Exterior of the building will be faced with pressed brick trimmed with terra cotta. Plans are complete and segregated figures are being taken.

STOCKTON, SAN JOAQUIN CO., CAL.—Store alterations. Cost not stated. Architect, Ralph P. Morrell, Odd Fellows' Bldg., Stockton. Owners, Yost Bros. Plans are being prepared for extensive alteration to the store fronts in the Hale Building, located on East Main street. The work will include marble bases, patent store fronts, plate glass and interior mill work.

LOS ANGELES, CAL.—Stores and offices, 3 story and base. Class A construction, \$30,000. Architect, W. S. Saunders, Laughlin Bldg. Owners, Enterprise Construction Co. The building will be erected on Jackson street near Central avenue, covering an area of 104 by 137 feet. There will be a number of stores on the first floor. Upper floors will be arranged for modern offices. There will be a complete steel frame, exterior walls of brick, faced with pressed brick trimmed with terra cotta. Interior will be finished in pine and hardwoods. Marble bases and tile corridors will be specified. Plans provide for steam heat and elevator service. Plans are complete and segregated figures will be taken by the architect.

PORTLAND, ORE.—Store, 1 story and base, reinforced concrete, \$40,000. Architects, Emil Schacht & Son, Commonwealth Bldg., Portland. Owners, Russell & Blyth. The building will be erected on property bounded by Ankeny, Pine, Sixth and Fifth streets, and will cover an area of 50 by 155 feet. There will be a number of stores finished in pine and hardwood. Tile and maple floors will be used. Patent store fronts are specified. Exterior of the building will be faced with pressed brick. Foundations and walls are heavy enough to carry nine additional stories. Plans are complete and figures are being taken.

Contracts Awarded.

PORTLAND, ORE.—Offices and garage, 4 story and base, brick and steel, \$10,000. Architects, Jacobberger & Smith, Board of Trade Bldg., Portland. Owner, Gay Lombard. Contractor, A. C. Meyer, 1084 Albina avenue, Portland. Contract price, \$16,000.

SEATTLE, WASH.—Stores and offices, 1 and 3 story and base, concrete,

\$45,000. Architects, Charles Bobb and Carl Gould, Denny Bldg., Seattle. Owners, Puget Sound Mill Co. Contractors, E. J. Rounds Construction Co., Collins Bldg., Seattle. Contract price \$45,000.

SEALED PROPOSALS

PROPOSALS FOR CANAL SUPPLIES.

PANAMA CIRCULAR 916.—Proposals to Furnish or Furnish and Erect Structural Steel for Shed on Pier No. 18 at Balboa Terminals.—Sealed proposals will be received at the office of the general purchasing officer, the Panama Canal, Washington, D. C., until 10:30 a. m. May 3, 1915, at which time they will be opened in public for furnishing or furnishing and erecting the above mentioned articles. Blanks and general information relating to this circular (No. 916) may be obtained from this office or the offices of the assistant purchasing agent, 1086 North Point street, San Francisco, Cal.; also from the U. S. engineer offices in the following cities: Seattle, Wash.; Los Angeles, Cal. F. C. BOGGS, major, corps of engineers, U. S. army, general purchasing officer.

PROPOSALS FOR CANAL SUPPLIES.

PANAMA CIRCULAR 915.—Proposals for Galvanized Steel, Tool Steel, Stay-bolt Iron Drill Rods, Steel Boiler Tubes, Wire Cable, Electric Cable, Steel Wire, Chain, Track Spikes, Steel Bolts, Washers, Sheet Lead, Sheet Zinc, Brass Bolts, Cable Clips, Track Chisels, Wire Staples, Cotter's, Tacks, Hasps, Hinges, Night Latches, Locks, Door Catches, Chain Blocks, Tackle Blocks, Coal Baskets, Water Buckets, Oil Cans, Wheelbarrows, Shovels, Grindstones, Tool Handles, Cocks, Valves, Anchor Lights, Floor Brushes, Stepladders, Lanterns, Lantern Globes, Cane Ship Fenders, Steel Tapes, Rules, Rubber Matting, Rubber Tubing, Twine, Blank Books, Paper, Rice Straw, Lumber and Piles.—Sealed proposals will be received at the office of the general purchasing officer, the Panama Canal, Washington, D. C., until 10:30 a. m. April 27, 1915, at which time they will be opened in public, for furnishing the above mentioned articles. Plans and general information relating to this circular (No. 915) may be obtained from this office or the offices of the assistant purchasing agent, 1086 North Point street, San Francisco, Cal.; also from the U. S. engineer offices in the following cities: Seattle, Wash.; Los Angeles, Cal. F. C. BOGGS, major, corps of engineers, U. S. army, general purchasing officer.

PROPOSALS FOR EXCAVATING.

EXCAVATION AND CONCRETE WORK.—Department of the Interior, U. S. Reclamation Service, Washington, D. C.—Sealed proposals will be received at the office of the United States Reclamation Service, Great Falls, Mont., until 2 o'clock p. m. April 30, 1915, for construction of structures on the St. Mary storage unit, Milk River project, Montana, involving about 6,000 cubic yards of excavation, 450 cubic yards of concrete and 900 square yards of paving. The work is situated in the Blackfoot Indian Reservation about 40 miles north of Browning, Mont. For particulars address the United States Reclamation Service, Washington, D. C.; Great Falls, Mont., or Babb, Mont. A. P. DAVIS, director and chief engineer.

PROPOSALS FOR EXCAVATING.

EXCAVATION.—Department of the Interior, U. S. Reclamation Service, Washington, D. C.—Sealed proposals will be received at the office of the United States Reclamation Service, Malta, Mont., until 2 o'clock p. m. May 12, 1915, for about 95,000 cubic yards of canal excavation. The work is located about 10 miles from the town of Saco, Mont., on the Great Northern Railway. For particulars address the United States Reclamation Service, Washington, D. C.; Great Falls, Mont.,

or Malta, Mont. A. P. DAVIS, chief engineer.

PROPOSALS FOR PIPE.

PIPE.—Department of the Interior, U. S. Reclamation Service, Washington, D. C.—Sealed proposals will be received at the office of the United States Reclamation Service, Los Angeles, Cal., until 2 o'clock p. m. May 4, 1915, for furnishing material and erecting riveted steel pipe for the Strawberry Valley project, Utah. For particulars address U. S. Reclamation Service, 605 Federal Building, Los Angeles, Cal.; Provo, Utah, or Washington, D. C. A. P. DAVIS, director and chief engineer.

PROPOSALS FOR WATER AND SEWER WORK.

WATER AND SEWER WORK.—Sealed proposals indorsed "Proposals for Sewer and Water Systems" will be received at the bureau of yards and docks, Navy Department, Washington, D. C., until 11 o'clock a. m. May 15, 1915, and then and there publicly opened for sewer and water systems at the naval radio station, San Diego, Cal. Plans and specifications can be obtained on application to the bureau or to the commanding officer of the naval coal depot, San Diego, Cal. H. R. STANDFORD, chief of bureau.

NOTICE TO CONTRACTORS.

SEALED BIDS will be received by W. F. McClure, State Engineer, Forum Building, Sacramento, California, up to and including 12 o'clock noon, Tuesday, May 18, 1915, said bids then and there to be publicly opened and read for furnishing all plant, materials, and labor, and doing the work required for the complete construction and erection of a building to be known as the Model Rural School, Chico State Normal School, Chico, California. In accordance with the plans and specifications, therefore, copies of which may be obtained on application to the State Department of Engineering, Sacramento, California.

Such bids will be received for the Entire Work, and must be submitted on forms prepared and furnished by the State Department of Engineering. Cash, a bidder's bond, or a certified check in the sum of ten per centum (10%) of the amount of the bid must accompany each bid.

A deposit of Ten (\$10.00) Dollars will be required on plans and specifications, the deposit to be returned immediately on the return of the plans and specifications to the State Department of Engineering at Sacramento, California, in good condition.

The State Department of Engineering reserves the right to reject any and all bids and to waive any informality in any bid received.

All bids must be addressed to W. F. McClure, State Engineer, Sacramento, California, and plainly marked on the envelope: "Proposal for Model Rural School, Chico State Normal School, Chico, California."

(Signed) W. F. McCLURE,
State Engineer.

NOTICE TO CONTRACTORS

OFFICE of Constructing Quartermaster, Fort Mason, Cal., April 19, 1915.—Sealed proposals in triplicate, for constructing a Storehouse for Combustibles and a Garage for Motor Ambulances at Letterman General Hospital, Presidio of San Francisco, Cal., will be received here until 11 A. M. May 19, 1915, and then opened. Plans, specifications, blanks and necessary information obtained here. Deposit of \$10.00 each required to insure return of plans, etc. Envelopes containing proposals to be enclosed in sealed envelopes and marked Lt. Col. Geo. McK. Williamson, Q. M. C.

PROPOSALS FOR KITCHEN EQUIPMENT.

KITCHEN EQUIPMENT.—Sealed proposals indorsed "Proposals for Kitchen Equipment" will be received at the bu-

reau of yards and docks, Navy Department, Washington, D. C., until 11 o'clock a. m. May 1, 1915, and then and there publicly opened, for kitchen equipment at the naval hospital, Pearl Harbor, Hawaii. Plans and specifications may be obtained on application to the bureau or to the commandant of the naval station, Pearl Harbor, Hawaii. H. R. STANFORD, chief of bureau.

PROPOSALS.

OFFICE OF THE BOARD OF PUBLIC Works of the City and County of San Francisco.

Sealed proposals will be received at this office between the hours of 2 o'clock p. m. and 3 o'clock p. m., on Wednesday, the 21st day of April, 1915, for doing the following work, including the furnishing of the necessary labor and materials therefor, to wit:

Glass and Glazing for the City Hall. Progressive payments will be made.

Said work must be done in accordance with the specifications on file in the office of the Board of Public Works, to which reference is hereby made, and must be commenced within five (5) calendar days from the receipt of written notice from the Board of Public Works and completed within one hundred and eighty (180) calendar days thereafter.

The amount of bond for faithful performance of contract has been fixed at \$6,000.00.

All proposals offered must be accompanied by a check certified by a responsible bank, payable to the order of the Clerk of the Supervisors, for an amount not less than ten per cent of the aggregate of the proposal.

Printed proposal forms will be furnished gratuitously upon application at the office of the Architect, and all proposals must be made upon such forms.

The Board of Public Works reserves the right to reject any and all bids.

By order of the Board of Public Works. F. J. CHURCHILL, Secretary.

PROPOSALS.

OFFICE OF THE BOARD OF PUBLIC Works of the City and County of San Francisco.

Sealed proposals will be received at this office between the hours of 2 o'clock p. m. and 3 o'clock p. m., on Wednesday, the 28th day of April, 1915, for furnishing and delivering

Hardware for the City Hall.

Progressive payments will be made.

Said hardware must be in accordance with the specifications on file in the office of the Board of Public Works, to which reference is hereby made, and delivery must be commenced within five (5) calendar days from the receipt of written notice from the Board of Public Works, and completed within one hundred and eighty (180) calendar days thereafter.

The amount of bond for faithful performance of contract has been fixed at \$4,000.00.

All proposals offered must be accompanied by a check certified by a responsible bank, payable to the order of the Clerk of the Supervisors, for an amount not less than ten per cent of the aggregate of the proposal.

Printed proposal forms will be furnished gratuitously upon application at the office of the Architect, and all proposals must be made upon such forms.

The Board of Public Works reserves the right to reject any and all bids.

By order of the Board of Public Works. F. J. CHURCHILL, Secretary.

NOTICE TO CONTRACTORS.

OFFICE CONSTRUCTING QUARTERMASTER, Fort Mason, Cal., April 1, 1915.—SEALED PROPOSALS, in triplicate, for constructing a macadam road from Lobos Creek to near Battery Chamberlain, also for constructing a concrete road with oiled shoulders from Marine Hospital to new stable site, Presidio of San Francisco, Cal., will be received here until 11:00 A. M. April 22, 1915, and then opened. Plans, specifications and necessary information can be obtained here. Deposit of

\$10.00 required to insure return of plans, etc. Proposals to be enclosed in sealed envelopes and addressed Lt. Col. Geo. McK. Williamson, Q. M. C. (*)

STATE OF CALIFORNIA.
DEPARTMENT OF ENGINEERING.

CALIFORNIA HIGHWAY COMMISSION

NOTICE TO CONTRACTORS.

SEALED PROPOSALS will be received at the office of the California Highway Commission, 515 Forum Building, Sacramento, Cal., until 2 o'clock P. M. on April 26, 1915, at which time they will be publicly opened and read for construction in accordance with the specifications therefor, to which special reference is made, portions of State highway as follows:

Sonoma County from Willow Brook to Southerly Boundary (IV-Son-1-C), about 6.4 miles in length, to be built of Portland cement concrete.

Contra Costa County from Richmond to Pinole (IV-C. C-14-A), about 5.3 miles in length, to be built of Portland cement concrete.

Monterey County from Salinas to Lagunita (V-Mon-2-A), about 6.1 miles in length, to be built of Portland cement concrete.

Monterey County from 3.2 miles north of King City Bridge to Greenfield (V-Mon-2-E), about 7.3 miles in length, to be built of Portland cement concrete.

Monterey County from 3 miles northwesterly from Bradley to San Ardo (V-Mon-2-H), about 10.9 miles in length, to be built of Portland cement concrete.

Plans may be seen, and forms of proposals, bonds, contract, and specifications may be obtained, at the said office, and they may be seen at the office of the Division Engineers at Los Angeles and San Francisco, and at the office of the Division Engineer of the division in which the work is situated. The Division Engineers' offices are located at Willits, Dunsmuir, Sacramento, San Francisco, San Luis Obispo, Fresno, and Los Angeles.

No bid will be received unless it is made on a blank form furnished by the Commission. The special attention of prospective bidders is called to the "Notice to Contractors" annexed to the blank form of proposal, for full directions as to bidding, quantities of work to be done, etc.

The Department of Engineering reserves the right to reject any or all bids or to accept the bid deemed for the best interests of the State.

CHARLES D. BLANEY,
NEWELL D. DARLINGTON,
CHARLES F. STERN,
California Highway Commission.
AUSTIN B. FLETCHER,
Highway Engineer.
WILSON R. ELLIS,
Secretary. (*)

Dated: March 30, 1915.

NOTICE TO CONTRACTORS.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., April 1, 1915.—SEALED PROPOSALS will be opened in this office at 3 P. M., May 13, 1915, for the construction complete (including mechanical equipment, interior lighting fixtures, and approaches) of the United States Post Office at Park City, Utah. One-story and basement building; ground area, 2,300 square feet; nonfireproof. Architect. (*)

PROPOSALS FOR BUILDING.

BUILDING—U. S. Department of Agriculture, Office of the Secretary, Washington, D. C.—Sealed proposals will be received by the Secretary of Agriculture until noon, April 27, 1915, for the erection of a two-story frame cottage, telegraph office building, for the weather bureau, U. S. Department of Agriculture, at Neah Bay, Wash., in accordance with plans and specifications, which may be obtained from chief, U. S. weather bureau, Washington, D. C., or the U. S. weather bureau offices at Seattle or Port Crescent,

Wash. Bids must be sealed and indorsed on envelope. "Proposals for Weather Bureau Building, Neah Bay, Wash.," and addressed to the chief, U. S. weather bureau, Washington, D. C. The department reserves the right to reject any and all bids and to waive defects should it be deemed in its interest to do so. (Signed) D. F. HOUTON, secretary.

PROPOSALS FOR CANAL SUPPLIES

PANAMA CIRCULAR 912—Proposals for Mechanical Range Indicators, Ampere Meters, Knife Switches, Galvanized Roofing, Spring Steel, Steel Straps, Wire Lath, Bolts, Nuts, Rivets, Boat Spikes, Washers, Cast Iron Pipe and Fittings, Valves, Sheet Copper, Hammers, Chisels, Twist Drills, Files, Saws, Blacksmiths' Drills, Carpenters' Braces, Steel Squares, Machetes, Rakes, Oarlocks, Scrub Brushes, Counter Brushes, Paint Brushes, Hose, Packing, Asbestos Gaskets, Magnesia Pipe Covering, Leather Belting, Belt Lacing, Sash Cord, Chalk Line, Marline, Emery Cloth, Sandpaper, Oilcloth, Cheesecloth, Sponges and Paper.—Sealed proposals will be received at the office of the general purchasing officer, the Panama Canal, Washington, D. C., until 10:30 a. m. April 16, 1915, at which time they will be opened in public, for furnishing the above mentioned articles. Blanks and general information relating to this circular (No. 912) may be obtained from this office or the office of the assistant purchasing agent, 1036 North Point street, San Francisco, Cal.; also from the U. S. engineer offices in the following cities: Seattle, Wash.; Los Angeles, Cal. F. C. BOGGS, major, corps of engineers, U. S. army, general purchasing officer.

PROPOSALS FOR FUEL OIL.

FUEL OIL, ETC.—Office of the Department Quartermaster, Chronicle Building, San Francisco, Cal.—Sealed proposals will be received here until 11 a. m. April 23, 1915, for furnishing wood, coke, charcoal, smithing coal, mineral and fuel oil, gasoline, etc., required at posts in the Western Department during fiscal year commencing July 1, 1915. Information furnished on application here or to post quartermasters and quartermasters at Seattle, Wash., and Portland, Ore. H. S. WALLACE, colonel, quartermaster corps.

NOTICE TO CONTRACTORS.

SEALED BIDS will be received by W. F. McClure, State Engineer, Forum Building, Sacramento, California, up to and including 12 o'clock, noon, Tuesday, April 27, 1915, said bids then and there to be publicly opened and read for furnishing all plant, materials, and labor, and doing the work required for the complete construction and erection of a building to be known as the "Superintendent's Residence," Southern California State Hospital, Patton, California, in accordance with the plans and specifications, therefor, copies of which may be obtained on application to the State Department of Engineering, Sacramento, California.

Such bids will be received for the Entire Work, and must be submitted on forms prepared and furnished by the State Department of Engineering.

Cash, a bidder's bond, or a certified check in the sum of ten per centum (10%) of the amount of the bid must accompany each bid.

A deposit of Ten (\$10.00) Dollars will be required on plans and specifications, the deposit to be returned immediately on the return of the plans and specifications to the State Department of Engineering at Sacramento, California, in good condition.

The State Department of Engineering reserves the right to reject any and all bids and to waive any informality in any bid received.

All bids must be addressed to W. F. McClure, State Engineer, Sacramento, California, and plainly marked on the envelope: "Proposal for Superintendent's Residence, Southern California State Hospital, Patton, California." (SIGNED) W. F. MCCLURE, State Engineer. (*)

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NOTICE TO LUMBERMEN.

BIDS WANTED c. i. f. ship's slings, Sydney, Australia, for shipload, either sail or steam, of Douglas Fir lumber. Specifications at THE AUSTRALIAN OFFICES, 419 Market Street, San Francisco, Cal. (*)

PROPOSALS FOR BUILDING.

BUILDING, ETC.—U. S. Department of Agriculture, Office of the Secretary, Washington, D. C.—Sealed proposals will be received by the Secretary of Agriculture until noon April 27, 1915, for the erection of a two-story frame cottage, telegraph office building, for the weather bureau, U. S. Department of Agriculture, at Neah Bay, Wash. In accordance with plans and specifications, which may be obtained from chief, U. S. weather bureau, Washington, D., or the U. S. weather bureau offices at Seattle or Port Crescent, Wash. Bids must be sealed and indorsed on envelope "Proposals for weather bureau, Washington, D. C. Wash." and addressed to the chief, weather bureau, Washington, D. C. The department reserves the right to reject any or all bids and to waive defects should it be deemed in its interest to do so. (Signed) D. F. HOUSTON, Secretary.

NOTICE TO CONTRACTORS.

SEALED BIDS will be received by W. F. McClure, State Engineer, Forum Building, Sacramento, California, up to and including 12 o'clock, noon, Tuesday, May 4th, 1915, said bids then and there to be publicly opened and read for furnishing all plant, materials and labor, and doing the work required for the complete construction and erection of buildings to be known as "Worker's Cottage for Males," "Kitchen Building," and "Power House," Norwalk State Hospital, near Norwalk, California, in accordance with the plans and specifications therefor, copies of which may be obtained on application to the State Department of Engineering, Sacramento, California.

Such bids will be received for the Entire Work, and must be submitted on forms prepared and furnished by the State Department of Engineering.

Cash, a bidder's bond or a certified check in the sum of ten per centum (10%) of the amount of the bid must accompany each bid.

A deposit of Twenty (\$20.00) Dollars will be required on plans and specifications, the deposit to be returned immediately on the return of the plans and specifications to the State Department of Engineering, at Sacramento, California, in good condition.

The State Department of Engineering reserves the right to reject any and all bids and to waive any informality in any bid received.

All bids must be addressed to W. F. McClure, State Engineer, Sacramento, California, and plainly marked on the envelope: "Proposal for 'Worker's Cottage for Males,' 'Kitchen Building' and 'Power House,' Norwalk State Hospital, near Norwalk, California."

(SIGNED) W. F. McCLURE,
State Engineer. (*)

NOTICE TO CONTRACTORS.

OFFICE CONSTRUCTING QUARTERMASTER, Fort Mason, Cal., April 10, 1915.—SEALED PROPOSALS, in triplicate, for constructing a timber crib wall at Fort Winfield Scott, Cal., will be received here until 11:00 A. M., April 24, 1915, and then opened. Plans, specifications and necessary information can be obtained here. Deposit of \$10.00 required to insure return of plans, etc. Proposals to be enclosed in sealed envelopes and addressed LT. COL. GEO. McK. WILLIAMSON, Q. M. C. (*)

NOTICE TO CEMENT CONTRACTORS.

Have about 20,000 square feet of concrete walks to be laid at Moss Beach, San Mateo Co. Desire contractors who will consider part cash and part property at actual value. C. LITTLEPAGE,
Room 4, 109 Montgomery St. (*)

NOTICE TO CONTRACTORS.

TREASURY DEPARTMENT, U. S. COAST GUARD, Washington, D. C., April 12, 1915.—SEALED PROPOSALS will be received at this office until 2 o'clock P. M. of Wednesday, May 19, 1915, and then publicly opened, for the construction of a Coast Guard Station, Keeper's Quarters, and accessories, a boathouse, launchway, and jetty, on the south side of the channel, at Coos Bay, Oregon.

Specifications and drawings, form of proposal, etc., and full information can be obtained upon application to the Superintendent, 13th District, Coast Guard, San Francisco, California; the Commanding Officer, Northern Division, Pacific Coast, U. S. Coast Guard, Seattle, Washington; the Keeper, Coos Bay Coast Guard Station, Empire, Oregon, or to this office. E. P. BERTHOLF, Captain Commandant. (*)

FUNDS FOR THE UNITED STATES GEOLOGICAL SURVEY.

The sundry civil act as passed by the last session of Congress contained appropriations of \$1,355,520 for the United States Geological Survey. Most of the appropriations for the Survey are included in this great Government supply bill, but in addition to the above-stated amount \$40,000 was appropriated in the legislative bill for rents, so that the total amount appropriated is \$1,395,520. The principal items in the appropriations for the Geological Survey for the fiscal year ending June 30, 1916, are as follows:

Topographic surveys.....\$350,000
 Geologic surveys..... 350,000
 Mineral resources of Alaska... 100,000
 Mineral resources of the U. S. 75,000
 Chemical & physical researches 40,000
 Geologic maps of the U. S.... 110,000
 Gaging streams, etc..... 150,000
 Surveying national forests.... 75,000

The bill also appropriates \$175,000 for printing and binding Survey reports, to be expended by the Public Printer, and \$1,500,000 for the new Interior Department building, which is to accommodate the Office of the Secretary of the Interior, the Geological Survey, the Reclamation Service, the Land Office, the Indian Office, and the Bureau of Mines, all bureaus of the Interior Department whose work is closely related to that of the Survey and among all of which there is more or less constant co-operation. The total cost of the new buildings has been fixed at \$2,596,000.

LONGEST BRIDGE IN THE WORLD.

Hell Gate to Be Crossed Overhead with a Steel Span.

Within the precincts of New York city one of the longest railroad bridges in the world is being erected. Twenty-five million dollars is being expended

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on a project to connect two giant transportation systems, and it is being done so quietly that practically nothing is heard of it. The Hell Gate bridge is to connect the New York, New Haven and Hartford railroad with the Pennsylvania railroad.

A railroad bridge that is 3½ miles long is considered by engineers to be unquestionably entitled to the name of the greatest bridge in the world. It is to contain as its most vital member the longest steel arch span that the world has seen. The Hell Gate bridge spans that portion of the junction of the East River and Long Island Sound known as Little Hell Gate and Hell Gate.

The completion of the bridge will then for the first time form an all rail continuous connection between north and south. The tracks of the New Haven are tapped by the new structure at East One Hundred and Forty-second street in the borough of the Bronx; the tracks of the Pennsylvania railroad are connected at the terminus yards east of Long Island City, though here they are known as the Long Island railroad tracks. The route from Boston to Washington will be, on completion of the new structure, across the Hell Gate, to Long Island, to Manhattan Island via the East River Pennsylvania tunnels, the Pennsylvania station to New Jersey via the Hudson River tunnels, and south over the Pennsylvania and connections.

The engineers expect to have the structure completed by January 1, 1917, and on that date hope to run the first train over the bridge and through the Pennsylvania tunnels to the south.

ADVANCE NEWS

Classified according to Location

SAN FRANCISCO.

APARTMENT HOUSE—4 story and base, steel and brick, \$32,000. San Francisco. Architect, W. F. Gunnison, Nevada Bank Bldg., S. F. Owner's name withheld. The building will be erected on Sutter street near Hyde, having a frontage of 55 feet and a depth of 120 feet. The interior has been arranged for a number of apartments of three and four rooms. Interior finish will be of pine and hardwood. Hardwood floors will be used in the living room, dining room and reception hall. All apartments will have private entrances and reception halls. There will be wall beds and steam heat. There will be elevator service, vacuum cleaning and hot water supply. Bath rooms will have wall be finished in marble and tile. Ornamental plaster will be used in the entrance halls. The building will be finished in pressed brick trimmed with terra cotta. Plans are now being prepared.

APARTMENT HOUSE—3 story and base, frame, \$17,500. San Francisco. Architects, Rousseau & Rousseau, French Bank Bldg., S. F. Owner, Gerard Investment Co., 110 Sutter street, S. F. The building will be erected at the corner of Pine and Mason streets, covering an area of 23 by 62½ feet. The first floor will contain a number of stores. Upper floors will be arranged for four large apartments. Interior finish will be of pine and hardwood and dining rooms. There will be steam heat. All apartments will have wall beds and private baths. Bath rooms will be finished in tile. Marble and tile wainscot will be used in the entrance. The exterior of the building will be finished in cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor. Materials are now being purchased.

APARTMENT HOUSE—3 story and base, frame, \$19,500. San Francisco. Architect, O. R. Thayer, 20 Montgomery street, S. F. Owner, Mrs. W. A. Goericke. The building will be erected on the southwest corner of Clayton and Fell streets. There will be a total of 45 apartments of two, three and four rooms. Interior will be finished in pine and Philippine mahogany. Hardwood floors will be used in the living and dining rooms. Plans provide for steam heat and hot water system. Portable vacuum cleaners will be used. All apartments will be equipped with wall beds. Bath rooms will be finished in tile and composition floors. Exterior of the building will be faced with cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor. Materials are now being purchased.

APARTMENT HOUSE—4 story and base. Class C construction, \$18,000. San Francisco. Architect, Albert

Schroepfer, Foxcroft Bldg., S. F. Owner, L. B. Stoff. The building will be erected on the south side of Bush street west of Leavenworth. The building will contain eight apartments. Interior finish will be of pine and redwood, with hardwood panels. Hardwood floors will be used in the living and dining rooms. All apartments will have wall beds and private baths. Bath rooms will be finished in tile and composition boors. Plans provide for composition floors. Plans provide for hot water service. Marble and tile wainscot will be used in the entrance. Exterior of the building will be finished with pressed brick trimmed with terra cotta. Plans are complete and the work will be done by Day Labor, under the supervision of the architect.

APARTMENT HOUSE ALTERATION—2 story and base, frame, \$3,000. San Francisco. Architects, O'Brien Bros., 240 Montgomery street, S. F. Owner, Judge Shortall. The present two-story frame dwelling located on Ashbury street near 16th will be altered into a modern apartment house. There will be three apartments of three, four and five rooms. The work will include interior finish, plaster, painting, electric work, plumbing and a hot water system. Some exterior alteration will also be made. Plans are complete and figures are now being taken.

RESIDENCE—2 story and base, frame, \$2,500. San Francisco. Architect, none. Owner, C. H. Woods, 353 29th avenue, S. F. The dwelling will be erected on the east side of 29th avenue south of California, and has been designed to contain five rooms and bath. Interior will be finished in pine and redwood. Hardwood floors will be used in the living and dining rooms. The will be an open fire place with tile or brick mantel. An automatic water heater will be installed. Bath room and kitchen will be finished in imitation tile. Exterior of the dwelling will be covered with cement plaster and rustic. Plans are complete and are in the hands of the owner, who will do the work by Day Labor.

RESIDENCE ALTERATIONS AND ADDITIONS—Frame construction. Cost not stated. San Francisco. Architect, Henry Shermund, Mills Bldg., S. F. Owner, R. H. Fialo, 2651 Baker street. The present two-story frame dwelling located at 2651 Baker street will undergo alterations and additions. Two rooms will be added to the present structure to the lot line and a new front will be built. Hardwood floors, new interior trim, open fire places, tile mantels, new plumbing, electric work and painting are included in this work. Plans have been figured and the contract will be awarded shortly.

RESIDENCE—2 story and base, frame, \$4,000. San Francisco. Architect, none. Owner, J. N. Peters, 1010 Balboa street, S. F. The dwelling will

be erected on the east line of 20th avenue south of Clement street, and has been designed to contain seven rooms, bath and sleeping porch. The interior finish will be of pine and redwood with some hardwood veneer. Hardwood floors will be used in the principal rooms. There will be furnace heat and open fire places. Mantels will be of tile and brick. Tile wainscot will be used in the bath rooms. An automatic water heater is specified. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor.

RESIDENCE—4, 2 story and base, frame, \$2,500 each. San Francisco. Architect, Jos. M. Geary, 2581 Post street. Owner, J. E. Kruse, 23rd and Shotwell street, S. F. The dwellings will be erected on the north side of College Terrace west of Mission street. The dwellings have been designed to contain five rooms and bath. Interiors will be finished in pine and redwood. Some hardwood floors will be used. There will be an open fire places with brick or tile mantels in the sitting rooms. Bath rooms and kitchens will have imitation tile wainscot. Automatic water heaters are specified. Exteriors of the dwellings will be covered with rustic and cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor. Materials are now being purchased.

RESIDENCES—2, 2 story and base, frame, \$2,600 each. San Francisco. Architect, none. Owner, A. V. Anderson, 1604 10th avenue, S. F. These two houses will be erected on the east side of 19th avenue south of Balboa street. Each has been designed to contain six rooms and bath. Interior finish will be of pine and redwood with some hardwood veneer. Hardwood floors will be used in the living room and dining room. There will be large open fire places with tile or brick mantels. Imitation tile will be used in the bath rooms and kitchens. Automatic water heaters are specified. Exteriors will be covered with rustic and cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor.

MACHINERY—Cost not stated. San Francisco. Engineer, City Engineer, Temporary City Hall Bldg., S. F. Owners, City and County of San Francisco. Bids opened for logging machinery and saw mill equipment at the last meeting of the Board of Public Works show the Western Equipment Co. low at \$2,950 for the logging equipment, and Harron, Rickard & McCone low on the saw mill equipment at \$4,958.25. Contracts will probably be awarded at the next meeting of the Board. A complete list of the bids appears under another heading in this issue.

FLATS—3 story and base, frame, \$8,000. San Francisco. Architect, Paul

F. De Martini, 2123 Powell street, S. F. Owner's name withheld. The building will be erected on Stockton street near Greenwich, and has been designed to contain three modern flats with a private garage in the basement. Each of the flats will contain six rooms. Interior finish will be of pine and redwood with some elm panels. Hardwood floors will be used in the living rooms and dining rooms. There will be open fire places with tile or brick mantels. Tile wainscot will be used in the bath rooms. Automatic water heaters are specified. Exterior of the building will be covered with shiplap and cement plaster on metal lath. Plans are now being prepared.

FLATS—2 story and base, frame, \$5,000. San Francisco. Architects, O'Brien Bros, 240 Montgomery street, S. F. Owner, Mrs. Ackerman. The building will be erected on Diamond street north of 19th street, and has been designed to contain two flats of five and six rooms each. Interior finish will be of pine and redwood. There will be two open fire places. Mantels will be of tile or brick. Imitation tile wainscot will be used in the bath rooms and kitchens. An automatic water heater will be installed. Exterior of the building will be covered with rustic and cement plaster on metal lath. Plans are complete and figures are being taken.

FLATS—3 story and base, frame, \$6,500. San Francisco. Architect, Paul F. De Martini, 123 Powell street, S. F. Owner's name withheld. The building will be erected on Greenwich street near Powell, and has been designed to contain three flats of five and six rooms each. Interior will be finished in pine and redwood. Some hardwood floors will be used. The living rooms will have a large open fire place with tile or brick mantels. Imitation tile wainscot will be used in the bath rooms and kitchens. Exterior will be covered with rustic and cement plaster on metal lath. Plans are complete and figures are being taken.

FLATS—2 story and base, frame, \$4,000. San Francisco. Architect, Paul F. De Martini, 2123 Powell street, S. F. Owner's name not given. The building has been designed to contain two modern flats of four and five rooms, and will be erected on Green street near Montgomery. Interior finish will be of pine and redwood. Some oak floors will be used. There will be open fire places and tile or brick mantels. Tile wainscot will be used in the bath rooms. Automatic water heaters are specified. Exterior of the building will be covered with cement plaster on metal lath. Plans are now being prepared.

FLATS—3 story and base, frame, \$8,500. San Francisco. Architect, P. F. De Martini, 2123 Powell street, S. F. Owners, A. and J. Dezirollo, 1847 Minna street. The building will be erected on the south side of Chestnut street east of Buchanan, covering an area of 30 by 67 feet. There will be six modern flats. Interior will be finished in pine and redwood with some elm panels. Hardwood floors will be used in the living rooms, dining rooms and reception halls. There will be open fire places and automatic water heaters. Mantels will be of tile and brick. Imitation tile wainscot will be used in the bath rooms and kitchens. Exterior of the building will be covered with rustic and cement plaster on metal lath. Plans are complete and figures are being taken.

ered with rustic and cement plaster on metal lath. Plans are complete and a contract will be awarded within the next few days.

FLAT ALTERATION—3 story and base, frame, \$3,300. San Francisco. Architect, Sidney B. Newsom, Nevada Bank Bldg., S. F. Owner's name withheld. A large three-story and basement building located on Noe street will undergo extensive alteration. Included in the work will be new plaster, plumbing, electric work, painting some interior finish and hardwood floors. The exterior will also be altered and the front faced with cement plaster on metal lath. Plans are complete and figures are being taken.

TIMBER CRIB CONSTRUCTION — Cot not stated. Fort Winfield Scott. Engineer, Constructing Quartermaster's Office, Fort Mason. Owners, U. S. Government. Plans have been completed and are now out for figures for the construction of a large timber crib to be erected at Fort Winfield Scott. Plans are complete and can be secured from the office of the constructing quartermaster. Bids will close on April 21st. An official proposal appears in another column of this issue.

RESIDENCE — 2 story and base, frame, \$5,000. San Francisco. Architect, C. S. McNally, Mechanics' Institute Bldg., S. F. Owner's name withheld. The dwelling will be erected at the corner of 19th avenue and Anza street, and has been designed for a seven-room house with baths and sleeping porch. Interior will be finished in pine and southern gum, with white enamel in the bed rooms. Hardwood floors will be used in the principal rooms. There will be open fire places and tile mantels. Tile wainscot will be used in the bath room and kitchen. An automatic water heater will be installed. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are complete and figures are being taken.

RESIDENCE — 2 story and base, frame, \$4,500. San Francisco. Architects, Rhodes & Marisch, 3372 16th street, S. F. Owner, C. Sorenson, 67 Douglas street, S. F. The dwelling will be erected on Douglas street north of 17th, and has been designed to contain seven rooms and bath. Interior will be finished in pine and elm with some hardwood floors. There will be an open fire place and tile mantel. Bath room will have tile wainscot. An automatic water heater will be installed. Exterior of the house will be covered with rustic and cement plaster on metal lath. Plans are complete and the work will be done by Day Labor.

RESIDENCE — 2 story and base, frame, \$2,500. San Francisco. Architect, none. Owner, F. Nelson, 30 Presidio Terrace, S. F. The dwelling will be erected at the northwest corner of 27th avenue and Irving street, and has been designed for a six-room house with bath. Interior finish will be of pine and redwood. Hardwood floors will be used in the living room, dining room and reception hall. There will be furnace heat and open fire place. Mantel will be of tile. Tile wainscot will be used in the bath room. An automatic water heater will be installed. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor.

RESIDENCE — 2 story and base, frame, \$2,500. San Francisco. Architect, O. E. Evans, 2567 Mission street, S. F. Owners, O. E. Evans and Jennie C. Evans. The dwelling has been designed for a six-room house, and will be erected on Covier street south of Marys street. Interior will be finished in pine and redwood. Some hardwood floors will be used. There will be an open fire place and tile mantel. Bath room will be finished in tile. Exterior of the house will be covered with rustic and cement plaster on metal lath. Plans are complete and the work will be done by Day Labor.

RESIDENCES—6, 2 story and base, frame, \$2,500 each. San Francisco. Architect, none. Owner, J. Anderson, 423 16th avenue, S. F. These dwellings will be erected on the west side of 17th avenue south of Geary street and each has been designed to contain six rooms and bath. Interior finish will be of pine and redwood. Hardwood floors will be used in the living rooms, dining rooms and reception halls. There will be a large open fire place in each living room. Mantels will be of tile and brick. Automatic water heaters will be installed. Bath rooms will have imitation tile wainscot and floors. Exteriors will be covered with cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor.

APARTMENT HOUSE—3 story and base, frame, \$37,500. San Francisco. Architect, W. G. Hind, 46 Kearny street, S. F. Owner, Dr. R. W. Payne. The building will be erected at the northwest corner of Jones and Sacramento streets, covering a considerable area. There will be a total of 21 apartments arranged in suites of two and three rooms. Interiors will be finished in pine and hardwood with hardwood floors in the living and dining rooms. Plans provide for steam heat, an automatic elevator and dumb waiters. A hot water supply will also be installed. Bath rooms will be finished in tile. Marble and tile wainscot will be used in the entrance. Exterior of the building will be covered with cement plaster on metal lath. Plans are complete and segregated figures are being taken.

FLAT ALTERATION—2 story and base, frame, \$2,000. San Francisco. Architect, John Ettler, 604 Mission street, S. F. Owner, L. B. Bingley. This work will consist of adding two rooms to the present building located at 1451 Page street, installing hardwood floors and new interior trim, plumbing, electric work and painting. Plans are complete and figures will be taken at once.

HOTEL—3 story and base, frame, \$11,000. San Francisco. Architect, J. R. Miller, Lick Bldg., S. F. Owners, John Brickell Co. The building will be erected on the north side of Broadway west of Montgomery street, covering an area of 46 by 100 feet. There will be two stores and a saloon on the first floor. The upper floors will be arranged for a number of single rooms and baths. Interior finish will be of pine throughout. Composition tile floors will be used. There will be a hot water system. Patent store fronts are specified. Exterior of the building will be covered with rustic and cement plaster on metal lath. Plans are complete and figures are being taken.

have been out for figures and contracts will be awarded shortly.

LIBRARY—3 story and base. Class A construction, \$1,000,000. San Francisco. Architect, George William Kelham, Sharon Bldg. Owners, City and County of San Francisco. Bids have been received for the structural steel work, but have not been opened. There were six bids, two from eastern cities. The next work to be advertised for will be the stone work. California granite is specified.

Contracts Awarded.

GARAGE—3 story and base, reinforced concrete, \$35,000. San Francisco. Architects, O'Brien Bros., 240 Montgomery street, S. F. Owner, Chas. F. Hanlon, Phelan Bldg. Contractor, P. A. Palmer, Monadnock Bldg., S. F. Contract price, \$35,000.

GARAGE—2 story and base, reinforced concrete, \$40,000. San Francisco. Architects, Stewart & Smith, 244 Kearny St., S. F. Owner, Louis Gassner. Contractors, McMullin-Van Voorhies Co., 110 Jessie street, S. F. Contract price, \$40,000.

Stanley Works Exhibit Has Been Installed.

Part of Display Consists of Cases Which Traveled Over Eighteen Thousand Miles.

The Stanley Works of New Britain, Conn., are exhibiting their manufactured products, consisting of shelf and builders' hardware, box strapping and cold rolled steel, in the Palace of Manufactures at the Panama-Pacific International Exposition. The display occupies a floor space of 400 square feet with 260 square feet of wall space on which the products are shown. The architecture of the booth follows the Mission style and is in harmony with surrounding exhibits; the interior being finished in quartered oak.

The exhibit proper is displayed on fourteen panels in cases with sliding glass doors, lighted by concealed electric lights. Some of the most popular lines of hinges, plated butts, door bolts and shelf brackets are shown in practically all sizes and finishes. At the rear of the booth there is a pair of full sized garage doors, equipped with Stanley's latest garage hardware. There are also seven models, showing ball bearing butts, half surface butts, blind trimmings, screen hardware storm sash equipment, garage hardware and casement hardware, in actual size.

A large butt or hinge of unique design is displayed. This hinge is twenty-four inches square and weighs ninety pounds. It is the largest door butt ever manufactured and is finished in "Stanley Sherardized" and plate finish, which is so popular just now where moisture is apt to affect the finish.

Sherardizing is a comparatively new process for rust-proofing metal surfaces. A long series of rigid tests has demonstrated the great superiority of Sherardizing over any other process hitherto used, and is rapidly displacing hot and electro-galvanizing on many lines of work. By the Sherard-

izing process the surface of the metal becomes impregnated with zinc, forming an alloy that prevents rust and corrosion, and will withstand more rigid tests than required by the U. S. Government for hot galvanizing. After exposure for two and one-half years to unfavorable conditions, Sherardized goods have shown no deterioration other than discoloration of the surface.

It is of particular value in the manufacture of "Stanley" butts, hinges, etc., in that a Sherardized surface will receive and retain an electro plate finish, making available an ornamental as well as rust-proof finish over steel.

One panel is devoted to export goods, such as fichas and paumelles, and lines sold in the Orient, China and Japan.

Box strapping in various designs and widths, box fasteners, case seals, corrugated fasteners, are shown in an attractive manner. There is also an actual photograph showing six cases, with Stanley box strapping, shipped from New Britain, Conn., to Colombo, India, and back to New Britain, weighing over two hundred and fifty pounds each, handled over twenty times, traveling 18,000 miles. The cases were not broken or the contents damaged.

Cold rolled strip steel is displayed in coils drawn out in cone shape. The treatment of steel for drawn or press work is shown by samples of builders' hardware, escutcheons, etc.

The Stanley Works extend a cordial invitation to all its friends among the architects, builders, carpenters and general public to see this exhibit at close range in their booth in the Palace of Manufactures, 5th street and Avenue D.

City Bids Opened

Bids Opened at Regular Meeting of Board of Public Works for Machinery and Painting.

Bids were opened at the regular Wednesday afternoon meeting of the Board of Public Works for furnishing logging machinery and saw mill machinery for the Hetch-Hetchy Water Project and for the painting of the Pathological Ward at the San Francisco City Hospital. Following is a complete list of the bids as opened:

Logging Machinery.
Western Equipment Co.....\$2,950.00
Leland Equipment Co..... 3,250.00
N. B. Livermore..... 3,799.35
A. L. Young Machinery Co.... 3,775.00

Saw Mill Machinery.
Eby Machinery Co (g) \$4,975.
Harron, Rickard & McCone (a) \$1,463
(b) \$677.55; (c) \$957.90; (d) \$363.40;
(e) \$380; (f) \$1,291; (g) \$4,958.25.
The Enterprise Co. (g) \$5,190.
A. L. Young Machinery Co. (a) \$1,952
(b) \$653; (e) \$447.
California Hydraulic Eng. Co. (a) \$1,370.

General Machinery & Supply Co.
(a) \$1,416; (b) \$675.

Painting, Pathological Ward.
F. R. Kissell.....\$2,610
D. Zelinsky..... 1,764
Tormy & Co..... 2,237
B. J. Donovan..... 1,869

Architectural Club 1915 Exhibition

The following closing dates for entry blanks, etc., in connection with the 1915 exhibition of the San Francisco Architectural Club have been announced:

Entry blanks for drawings, etc., that will be selected for reproduction in Year Book, must be mailed to us by April 26 at the latest.

All other entry blanks for exhibition must be mailed not later than May 7, 1915. We will call for material when notified. This matter is as important to the architects as it is to us, so get busy and do it **NOW**.

Date of Exhibition, June 7th to 19th, inclusive.

Date of Convention, Architectural League of the Pacific Coast, June 7th, 8th and 9th.

SAN FRANCISCO ARCHITECTURAL CLUB,

Exhibition Headquarters,
201 Merchants National Bank Bldg.
Phone Douglas 930.

Building Contracts Awarded.

San Francisco

No.	Owner.	Contractor	Amt.
1093	Rednall	Rednall	4500
1094	Same	Same	4500
1095	Barry	Barry	9000
1096	Same	Same	9000
1097	Metro Inv	Owner	45000
1098	Abbot	Empire	800
1099	Consumers	Trost	800
1100	Heymans	Heymans	1950
1101	Foster	Kleiser	800
1102	Aaron	Aaron	2500
1103	Gerard Invst	Owner	15000
1104	Slocumb	King	500
1105	Machio	Parry	1000
1106	Horan	Frederick	500
1107	Tyler	Tyler	5000
1108	Tyler	Tyler	5000
1109	Kruse	Kruse	2500
1110	Kruse	Kruse	2500
1111	Kruse	Kruse	2500
1112	Kruse	Kruse	2500
1113	Anderson	Anderson	2600
1114	Anderson	Anderson	2600
1115	Gunn	Brown	4150
1116	Rainier	Sound	541883
1117	Same	Judson	129404
1118	Same	Dillon	5950
1119	Branagan	Ruegg	4270
1120	Lundberg	Johnson	573
1121	McKillop	Drake	11100
1122	Pope	Bos	4350
1123	P P I E	Johns	11000
1124	Terminal Inv	Am Conc	10350
1125	Spreckels	MacRorie	2150
1126	Fiala	Graham	1050
1127	Stoff	Stoff	18000
1128	Woods	Woods	2500
1129	Lynch	Lynch	400
1130	McMillan	McMillan	400
1131	Peters	Peters	4000
1132	Cole	Cole	1250
1133	Lunder	Lunder	400
1134	Garland	Seid	400
1135	Koenetsky	Tubbs	450
1136	Rhine	Campbell	500
1137	Associated Oil	Owner	1000
1138	Brant	Brant	400
1139	Urban Rlty	Urban Rlty	14000
1140	Shell Oil	Shell Oil	500
1141	Newell	Higginson	6135
1142	Same	Same	7005
1143	Y M I	Kiesel	3075
1144	Donovan	McCormack	2850
1145	Shortall	Shortall	1000
1146	Olson	Olson	1950
1147	Acttis	Garino	1000
1148	Peyret	Legrand	450
1149	Hotel Wash	Novelty	400
1150	Foster	Novelty	800
1151	Lundberg	Johnson	550
1152	Brommer	Bluxome	400
1153	Strehl	Watson	450
1154	Cal. Fruit	Murphy	500
1155	Langbehn	Langbehn	1400
1156	Evans	Evans	2000
1157	Anderson	Anderson	2400
1158	Anderson	Anderson	2400

1159	Anderson	Anderson	2400
1160	Anderson	Anderson	2400
1161	Anderson	Anderson	2400
1162	Anderson	Anderson	2400
1163	Bacigalupi	De Lauchi	1100
1164	Same	Coppellotti	1075
1165	Same	De Benedetti	6050
1166	Same	Curran	1150
1167	Gantner	Zelinsky	1540
1168	Hart	Pasqualetti	1900

FRAME DWELLING

(1093) S FILBERT 112-6 W Baker.
Two-story and basement frame dwlg.
Owner.....W. W. Rednall, 2500 Filbert, San Francisco.

Architect...None.

Day's work. COST, \$4500

FRAME DWELLING

(1034) S FILBERT 87-6 W Baker.
Two-story and basement frame dwlg.
Owner.....W. W. Rednall, 2500 Filbert, San Francisco.

Architect...None.

Day's work. COST, \$4500

FRAME FLATS

(1095) S GREEN 206-3 W Leavenworth. Three-story and basement frame (6) flats.
Owner.....Thos. F. Barry, 3641 20th, San Francisco.

Architect...None.

Day's work. COST, \$9000

FRAME FLATS

(1096) S GREEN 238-9 W Leavenworth. Three-story and basement frame (6) flats.
Owner.....Thos. F. Barry, 3641 20th, San Francisco.

Architect...None.

Day's work. COST, \$9000

BRICK STORES AND APARTMENTS

(1097) N ELLIS 77-6 W Leavenworth. Five-story and basement brick stores and (36) apartments.
Owner.....Metropolis Investment Co., 333 Kearny, San Francisco.

Architect...None.

Day's work. COST, \$45,000.

MARQUISE

(1098) NW EDDY AND FILLMORE.
Erect marquise.
Owner.....Mr. Abbot.
Architect...Reid Bros., 105 Montgomery, San Francisco.
Contractor..Empire Sheet Metal Wks., 760 Golden Gate Ave., San Francisco.

COST, \$800

ALTERATIONS

(1099) W EIGHTH 100 N Bryant.
Erect wood partitions, metal lath and plaster.

Owner.....Consumers' Ice Co., 438 8th, San Francisco.

Architect...None.

Contractor..Robert Trost, 6th and Howard, San Francisco.

COST, \$800

FRAME DWELLING

(1100) E FORTY-FIFTH AVE 252 N Balboa. One-story and basement frame dwelling.

Owner.....Oscar Heyman & Bro., 742 Market, San Francisco.

Architect...None.

Day's work. COST, \$1950

ELECTRIC SIGN

(1101) NO. 945 MARKET. Bill board electric sign.

Owner.....Foster & Kleiser of California, 273 Valencia, S. F.

Architect...None.

Day's work. COST, \$500

FRAME DWELLING

(1102) W COLE 77 S 17th. Two-story and basement frame dwelling.

Owner.....Robert Aaron, 265 Laussat Ave., San Francisco.

Architect...None.

Supt.....O. Aaron, 425 Cole, S. F.

Day's work. COST, \$2500

FRAME STORES

(1103) NW PINE AND MASON. Three story frame stores and (4) apartments.

Owner.....Gerald Investment Co., 110 Sutter, San Francisco.

Architect...Rousseau & Rousseau, 110 Sutter, San Francisco.

Day's work. COST, \$15,000

RAISE AND ALTER

(1104) NO.1243 SEVENTH AVE. Raise and alter dwelling.

Owner.....Mrs. Rose Slocumb, Prem.

Architect...None.

Contractor..W. S. King, 224 Haight, San Francisco.

COST, \$500

FRAME DWELLING

(1105) E ASHTON 300 N Holloway. One-story and basement frame dwlg.
Owner.....Mrs. Grace Machio, 222 Raymond Ave., S. F.

Architect...None.

Contractor..T. H. Parry.

COST, \$1000

GARAGE

(1106) NO. 185 DOWNEY. Garage in basement and new steps.

Owner.....Mrs. Horan, Premises.

Architect...None.

Contractor..A. Frederick, 187 Downey, San Francisco.

COST, \$500

FRAME FLATS

(1107) E SEVENTEENTH AVE 250 N California. Two-story and basement (2) frame flats.

Owner.....P. D. Tyler, 1921 Oak, S. F.

Architect...None.

Day's work. COST, \$5000

FRAME FLATS

(1108) E SEVENTEENTH AVE 225 N California. Two-story and basement (2) frame flats.

Owner.....P. D. Tyler, 1921 Oak, S. F.

Architect...None.

Day's work. COST, \$5000

FRAME DWELLING

(1109) N COLLEGE TERRACE 175 W Mission. Two-story and basement-frame dwelling.

Owner.....J. H. Kruse, 23rd & Shotwell, San Francisco.

Architect...Jos. M. Geary, 2581 Post, San Francisco.

Day's work. COST, \$2500

FRAME DWELLING

(1110) N COLLEGE TERRACE 150 W Mission. Two-story and basement-frame dwelling.

Owner.....J. H. Kruse, 23rd & Shotwell, San Francisco.

Architect...Jos. M. Geary, 2581 Post, San Francisco.

Day's work. COST, \$2500

FRAME DWELLING

(1111) N COLLEGE TERRACE 125 W Mission. Two-story and basement-frame dwelling.

Owner.....J. H. Kruse, 23rd & Shotwell, San Francisco.

Architect...Jos. M. Geary, 2581 Post, San Francisco.

Day's work. COST, \$2500

FRAME DWELLING

(1112) N COLLEGE TERRACE 100 W Mission. Two-story and basement-frame dwelling.

Owner.....J. H. Kruse, 23rd & Shotwell, San Francisco.

Architect...Jos. M. Geary, 2581 Post, San Francisco.

Day's work. COST, \$2500

FRAME DWELLING

(1113) E NINETEENTH AVE 125 S Balboa. Two-story and basement frame dwelling.

Owner.....A. V. Anderson, 1604 10th Ave., San Francisco.

Architect...None.

Day's work. COST, \$2600

FRAME DWELLING

(1114) E NINETEENTH AVE 100 S Balboa. Two-story and basement frame dwelling.

Owner.....A. V. Anderson, 1604 10th Ave., San Francisco.

Architect...None.

Day's work. COST, \$2600

FRAME RESIDENCE

(1115) E EIGHTH AVE 106 N Lawton 25x120. All work for two-story frame residence.

Owner.....A. S. and Esther Gunn, 407 Connecticut, S. F.

Architect...None.

Contractor..S. E. Brown, 1434 6th Ave., San Francisco.

Filed Apr. 13, '15. Dated Apr. 10, '15.

1st floor joists on.....\$ 300

Frame up 700

Brown coated 1000

Completed and accepted..... 1112

Usual 35 days..... 1038

TOTAL COST, \$4150

Bond, \$2075. Sureties, W. F. Porter and J. M. Hays. Limit, 75 days. Forfeit, none. Plans and specifications filed.

BREWERY

(1116) BLK 24 W BRYANT, bet. Alameda and 15th. All work for building for brewery purposes and wrecking and remodeling certain minor buildings.

Owner.....Rainier Brewing Co., 1500 Bryant, San Francisco.

Architect...Carl Siebrand, 3171-72 Arcade Bldg., Seattle.

Contractor..Sound Constr. & Eng. Co., Hearst Bldg., S. F.

Filed Apr. 13, '15. Dated Apr. 9, '15.

Contractor to receive \$18,000 for services, if cost does not exceed estimated cost

Percentage of work done on 5th of each month

Balance due on completion.....

TOTAL COST not to exceed \$541,883

Bond, \$270,941.50. Surety, United States Fidelity & Guaranty Co. Limit, Nov. 1, 1915. Forfeit, \$500; bonus, \$500. Plans and specifications filed.

(1117) STRUCTURAL STEEL AND

cast iron on above.

Contractor...Judson Manufacturing Co.,
819 Folsom S. F.

Filed Apr. 13, '15. Dated Apr. 10, '15.

On 1st and 15th of each month as
said materials may be delivered 95%
Balance bi-monthly upon com-
pletion of erection of structural
steel in building.....

TOTAL COST, \$129,404

Bond, \$64,702. Surety, Hartford Acci-
dent & Indemnity Co. Limit, 85 days
after receiving shop drawings. For-
feit, \$250; bonus, \$250. Plans and
specifications filed.

(1118) EXCAVATIONS FOR ALL
walls, piers, engine beds, stack and
tank foundation on above.

Contractor...Dillon Teaming Co., 417
Berry, San Francisco.

Filed Apr. 13, '15. Dated Apr. 12, '15.

On May 10, 1915..... 75%
Usual 35 days..... 25%

TOTAL COST, \$5950

Bond, \$2975. Surety, New England
Casualty Co. Limit, May 6, 1915. For-
feit, \$50. Plans and specifications filed.

FRAME FLATS

(1119) E TENTH AVE 200 S Balboa S
25xE 120. All work for two-story
frame (2) flats.

Owner.....Andrew J. Branagan, 525
Market, San Francisco.

Architect...Alfred I. Coffey, Humboldt
Bank Bldg., S. F.

Contractor...Ruegg Bros., Pacific Bldg.,
San Francisco.

Filed Apr. 13, '15. Dated Apr. 10, '15.

Rough frame up.....\$1000.00
Brown coated 1000.00
Completed and accepted..... 1202.50
Usual 35 days..... 1067.50

TOTAL COST, \$4270.00

Bond, \$2150. Sureties, Chas. A. Curtaz
and Mrs. Marion Ruegg. Limit, 75 days
Forfeit, \$2.50. Plans and specifications
filed.

ALTERATIONS AND ADDITIONS

(1120) E CONNECTICUT 505 S 20th;
No. 617 Connecticut. All work for
alterations and additions to one-
story frame cottage.

Owner.....Mrs. Frida Lundberg.

Architect...None.

Contractor...M. W. Johnson.

Filed Apr. 14, '15. Dated Apr. 3, '15.

Foundation laid\$143.25
Building on foundations..... 143.25
Completed and accepted..... 143.25
Usual 35 days..... 143.25

TOTAL COST, \$573.00

Bond, none. Limit, 60 days. Forfeit,
none. Plans and specifications filed.

ROOMING HOUSE

(1121) N MISSION 25 W Mint. Brick
work for five-story and basement
rooming house.

Owner.....McKillop Bros., 540 Cole,
San Francisco.

Architect...None.

Contractor...H. E. Drake, 1333 Lincoln
Way, San Francisco.

Filed Apr. 14, '15. Dated Mar. 30, '15.

Basement walls in.....\$2000
1st story walls in..... 1900
2nd story walls in..... 1100
3rd story walls in..... 1100
4th story walls in..... 1100
5th story walls in..... 1100
Usual 35 days..... 2800

TOTAL COST, \$11,100

Bond, \$5550. Surety, Southwestern
Surety Ins. Co. Limit, 35 days. For-

feit, none. Plans and specifications,
none.

ALTERATIONS

(1122) NW CALIFORNIA & VAN NESS
Ave W 159-4xN 69-3 W A 88. Con-
crete, carpenter, plumbing, wiring
and painting for alterations to
garage.

Owner.....Pope Estate Co., Kohl
Bldg., San Francisco.

Architect...None.

Contractor...George A. Bos, Hearst
Bldg., San Francisco.

Filed Apr. 14, '15. Dated Apr. 13, '15.

On completion of concrete mez-
zanine floor\$3000.00
On acceptance 262.50
Usual 35 days, remaining..... 25%

TOTAL COST, \$4350.00

Bond, \$2175. Surety, Massachusetts
Bonding & Insurance Co. Limit, 30
days. Forfeit, none. Plans and speci-
fications filed.

ALTERATIONS

(1123) BOUNDED BY GROVE, LAR-
kin, Hayes and Polk. All work
necessary to affect the acoustical
correction of the main auditorium of
the Exposition Auditorium Building.

Owner.....Panama-Pacific Interna-
tional Exposition Co., Ser-
vice Bldg., S. F.

Architect...John Galen Howard, Fred-
erick H. Meyer and John
Reid Jr., 604 Mission, S. F.

Contractor...H. W. Johns-Manville Co.,
2nd & Howard, S. F.

Filed Apr. 14, '15. Dated Mar. 30, '15.

Installments as work progresses
of 75%
Usual 35 days..... 25%

TOTAL COST, \$11,000

Bond, \$6000. Surety, Fidelity & De-
posit Co. of Maryland. Limit, 30 days
after notification. Forfeit, none.
Plans and specifications filed.

NOTE:—On completion bond for \$2800
to remain in force until Aug. 1, 1916.

CLASS "C" GARAGE

(1124) S SACRAMENTO 137-6 E
Drumm E 108-8½ S 67-5 W 14-10 S
24-3 W 93-10½ N 91-8. Plain and
reinforced concrete work for two-
story and basement Class "C" garage
building.

Owner.....The Terminal Investment
Company.

Architect...Chas. E. Gottschalk, Phe-
lan Bldg., S. F.

Contractor...American Concrete Co.

Filed Apr. 14, '15. Dated Apr. 14, '15.

On 1st and 15th of each month 75%
Usual 35 days..... 25%

TOTAL COST, \$10,350

Bond, \$5175. Surety, Massachusetts
Bonding & Insurance Co. Limit, 50
days. Forfeit, \$12; bonus, \$12. Plans
and specifications filed.

GRADING FOR GARDEN, ETC.

(1125) NE WASHINGTON & OCTAVIA
E 175 N 127-8¼ E 2-6 W 127-6 S
255-4½. Providing and placing
loam, manure and grading for garden

Owner.....A. B. Spreckels, 60 Cali-
fornia, San Francisco.

Architect...G. A. Applegarth, Claus
Spreckels Bldg., S. F.

Contractor...MacRorie & McLaren, 830
Market, San Francisco.

Filed Apr. 14, '15. Dated Apr. 9, '15.

On 1st of each month..... 75%
Usual 35 days..... 25%

TOTAL COST not to exceed, \$2150
Bond, none. Limit, as fast as possible
Forfeit, none. Plans and specifications
filed.

NOTE:—Contractor to receive 10% of
contract.

ALTERATIONS

(1126) COM. AT PT 44-6 from SW
Union and Baker W 85xS 27-6. All
work for alterations and additions to
frame residence

Owner.....Robt. H. & Flora C. Fiala,
2651 Baker, S. F.

Architect...Henry Shermund, Mills
Bldg., San Francisco.

Contractor...David Graham, 148 10th
Ave., San Francisco.

Filed Apr. 14, '15. Dated Apr. 14, '15.

Ready for plaster.....\$400.00
2nd payment 387.50
Usual 35 days..... 262.50

TOTAL COST, \$1050.00

Bond, \$525. Surety, Maryland Casu-
alty Co. Limit, 30 days after April 15.
Forfeit, none. Plans and specifications
filed.

CLASS "C" APARTMENTS

(1127) S BUSH 137-6 W Leavenworth.
Four-story and basement Class "C"
apartments.

Owner.....L. D. Stoff, 217 Montgom-
ery, San Francisco.

Architect...Albert Schroeffer, Fox-
croft Bldg., San Francisco.

Day's work. COST, \$1806

FRAME DWELLING

(1128) E TWENTY-NINTH AVE 50 S
California. Two-story and basement
frame dwelling.

Owner.....C. H. Woods, 353 29th Ave.,
San Francisco.

Architect...None.

Day's work. COST, \$2500

ALTERATIONS

(1129) NO. 2730 VALLEJO. Take out
wall and concrete floor.

Owner.....Ed. J. Lynch, Premises.

Architect...None.

Day's work. COST, \$400

ALTERATIONS

(1130) NO. 262 THIRTEENTH AVE.
Raise roof and add 3 rooms.

Owner.....A. L. McMillan, Premises.

Architect...None.

Day's work. COST, \$400

FRAME DWELLING

(1131) E TWENTIETH AVE 150 N
Clement. Two-story and basement
frame dwelling.

Owner.....J. M. Peters, 1010 Balboa,
San Francisco.

Architect...None.

Day's work. COST, \$4000

FRAME DWELLING

(1132) N HOLLOWAY 150 W Harold.
One-story and basement frame dwlg.

Owner.....F. J. Cole, 75 29th, S. F.

Architect...F. Cole, 124 Duncan, S. F.

Contractor...F. J. Cole, 75 29th, S. F.
COST, \$1250

FRAME GARAGE

(1133) NO. 935 DOLORES (rear). One
story frame garage.

Owner.....David Lunder, 931 Dolores,
San Francisco.

Architect...None.

Day's work. COST, \$400

B. L. N. Y.

(1131) NO. 835 LARKIN. Erect balcony.

Owner.....P. Gartland, Premises.

Architect...None.

Contractor...J. Seid, McAlister and Franklin, San Francisco.

COST, \$400

ADDITION

(1135) W. LEESE 161 N. Richland. Add 56 feet to present work shop.

Owner.....Mr. Koenetsky, 3763 Mission, San Francisco.

Architect...None.

Contractor...C. H. Tubbs, 36 Prague, San Francisco.

COST, \$450

AUTO RUN-WAY

(1136) NE POST AND POWELL. Construct auto run-way.

Owner.....Albert Rhine, 245 Montgomery, San Francisco.

Architect...None.

Contractor...J. V. Campbell, 1040 Bryant, San Francisco.

COST, \$500

SUPPLY STATION

(1137) SW VAN NESS AVE & LOMBARD. One-story steel supply station.

Owner.....Associated Oil Co., 817 Sharon Bldg., S. F.

Architect...None.

Day's work. COST, \$1000

ALTERATIONS

(1138) NO. 1466 EIGHTH AVE. New front, and minor alterations to cottage.

Owner.....John S. Brant.

Architect...None.

Day's work. COST, \$400

FRAME RESIDENCE

(1139) W. MONCADA WAY 150 N. Cedro Way; Lot 17 Blk 5, Ingleside Terrace. Two-story and basement frame residence.

Owner.....Urban Realty Improvement Co., 95 Cerritos Ave., San Francisco.

Architect...Jos. A. Leonard, 85 Cerritos Ave., San Francisco.

Contractor...Urban Realty Improvement Co., 85 Cerritos Ave., San Francisco.

COST, \$14,000

STEEL STATION

(1140) NW GOLDEN GATE AND Buchanan. One-story steel station.

Owner.....Shell Oil Co. of California, 313 Sansome, S. F.

Architect...None.

Day's work. COST, \$500

FRAME RESIDENCE

(1141) LOT 22 AND E 1.67 FT LOT 21 Blk 2818, Forest Hill Court. All work except heating, shades, finish hardware and light fixtures for two-story, basement and attic frame residence.

Owner.....Newell-Murdock Realty Co., 30 Montgomery, S. F.

Architect...Falch & Knoll, Hearst Bldg., San Francisco.

Contractor...Higginson Co., Inc., Humboldt Bank Bldg., S. F.

Filed Apr. 15, '15. Dated Apr. 3, '15.

Frame up and roof on.....\$1533

Brown coated 1534

Completed and accepted..... 1534

Usual 35 days..... 1534

TOTAL COST, \$6135

Lond, \$3067.50. Surety, United States Fidelity & Guaranty Co. Limit, 90 days. Forfeit, \$5. Plans and specifications filed.

FRAME RESIDENCE

(1142) N SOTELO AVE, said pt being SW corner Lot 21 Blk 2818 Forest Hill Court; E 31.66 N 100 W 25 S 100 m or 1 E 3.34 Ptn Lots 20 and 21 Blk 2818, Forest Hill Court. All work for two-story, basement and attic frame residence.

Owner.....Newell-Murdock Realty Co., 30 Montgomery, S. F.

Architect...Falch & Knoll, Hearst Bldg., San Francisco.

Contractor...Higginson Co., Inc., Humboldt Bank Bldg., S. F.

Filed Apr. 15, '15. Dated Apr. 3, '15.

Frame up\$1750

Brown coated 1750

Completed and accepted..... 1750

Usual 35 days..... 1755

TOTAL COST, \$7005

Bond, \$3502.50. Surety, United States Fidelity & Guaranty Co. Limit, 90 days. Forfeit, \$5. Plans and specifications filed.

PAINTING, ETC.

(1143) N OAK 157-6 W Van Ness Ave W 89-9 N 120 E 68-9 — 40 E 21 S 80. Painting, tinting, etc., for reinforced concrete and steel building.

Owner.....The Young Men's Institute Hall Association.

Architect...W. D. Shea, 244 Kearny, San Francisco.

Contractor...F. Kiesel, 575 Fulton, S. F.

Filed Apr. 15, '15. Dated Apr. 6, '15.

On 1st of each month..... 75%

Usual 35 days..... 25%

TOTAL COST, \$3075

Bond, \$1537.50. Surety, Casualty Co. of America. Limit, 60 days. Forfeit, \$5. Plans and specifications filed.

FRAME BUILDING

(1144) E CHURCH 85 S 29th S 29xE 80 H A 53. All work for two-story frame dwelling.

Owner.....Jno. Donovan, 1703 Church San Francisco.

Architect...None.

Contractor...Thomas McCormick, 25 Gladys, S. F.

Filed Apr. 15, '15. Dated Apr. 15, '15.

Frame up\$712.50

White coated 712.50

Completed 712.50

Usual 35 days..... 712.50

TOTAL COST, \$2850.00

Bond, none. Limit, 60 days. Forfeit, none. Plans and specifications filed.

ALTERATIONS

(1145) NO. 1015 ASHBURY. Raise flats, new front and minor alterations.

Owner.....Judge E. Shortall, Care Architect.

Architect...O'Brien Bros., Inc., 240 Montgomery, S. F.

Day's work. COST, \$1000

FRAME DWELLING

(1146) W COLLEGE 392 W Mission. One-story and basement frame dwlg.

Owner.....A. E. Olson, 125 Jersey, San Francisco.

Architect...None.

Day's work. COST, \$1950

FRAME DWELLING

(1147) N MUNICH 25 E Brazil. One-story and basement frame dwelling.

Owner.....J. Acttis, 279 Munich, San Francisco.

Architect...None.

Contractor...J. Garino, 203 Seneca, San Francisco.

COST, \$1000

ALTERATIONS

(1148) W YORK 130 N 24th. Divide basement for four rooms.

Owner.....Mrs. Maria Peyret, 11 Chenery, San Francisco.

Architect...None.

Contractor...Chas. Legrand, 11 Chenery S. F.

COST, \$450

ELECTRIC SIGN

(1149) NO. 469 BUSH. Electric sign.

Owner.....Hotel Washington Co., 469 Bush, San Francisco.

Architect...None.

Contractor...Novelty Elec. Sign Co., 165 Eddy, San Francisco.

COST, \$400

ALTER SIGN

(1150) SE MARKET AND SIXTH. Change letters on electric sign.

Owner.....Foster & Kleiser, 287 Valencia, San Francisco.

Architect...None.

Contractor...Novelty Elec. Sigs Co., 165 Eddy, San Francisco.

COST, \$800

ALTERATIONS

(1151) NO. 617 CONNECTICUT. Alter dwelling.

Owner.....Mrs. Lundberg, Premises.

Architect...None.

Contractor...M. W. Johnson, 455 Staples Ave., San Francisco.

COST, \$550

BRICK GARAGE

(1152) SE HAYES AND STANYAN. One-story brick garage.

Owner.....E. A. Brommer, 200 Stanyan, San Francisco.

Architect...None.

Contractor...Bluxome & Co., 528 Monadnock Bldg., S. F.

COST, \$400

ALTERATIONS

(1153) NO. 116 KEARNY. New front and alterations.

Owner.....Strehl Estate.

Architect...None.

Contractor...Daniel Watson, 49 Belden Place, San Francisco.

COST, \$450

ALTERATIONS

(1154) NE DRUMM AND MARKET. Alter offices.

Owner.....California Fruit Cannery Ass'n., 120 Market, S. F.

Architect...Phillip Bush, 130 Market, San Francisco.

Contractor...W. H. Murphy.

COST, \$500

FRAME DWELLING

(1155) E NEVADA 85 S Cortland. One-story and basement frame dwlg.

Owner.....F. N. Langebhn, 211 Nevada San Francisco.

Architect...None.

Day's work. COST, \$1400

FRAME DWELLING

(1156) E COVER 75 S St. Marys Ave. Two-story and basement frame dwlg.

Owner.....Oliver and Jennie J. Evans 2567-A Mission, San Francisco.

Architect...Oliver Evans, 2567-A Mis-

sion, San Francisco.
Day's work. COST, \$2000

FRAME DWELLING
(1157) W SEVENTEENTH AVE 225 S
Geary. Two-story and basement
frame dwelling.
Owner.....J. Anderson, 423 16th Ave.,
San Francisco.
Architect...None.
Day's work. COST, \$2400

FRAME DWELLING
(1158) W SEVENTEENTH AVE 200 S
Geary. Two-story and basement
frame dwelling.
Owner.....J. Anderson, 423 16th Ave.,
San Francisco.
Architect...None.
Day's work. COST, \$2400

FRAME DWELLING
(1159) W SEVENTEENTH AVE 175 S
Geary. Two-story and basement
frame dwelling.
Owner.....J. Anderson, 423 16th Ave.,
San Francisco.
Architect...None.
Day's work. COST, \$2400

FRAME DWELLING
(1160) W SEVENTEENTH AVE 150 S
Geary. Two-story and basement
frame dwelling.
Owner.....J. Anderson, 423 16th Ave.,
San Francisco.
Architect...None.
Day's work. COST, \$2400

FRAME DWELLING
(1161) W SEVENTEENTH AVE 125 S
Geary. Two-story and basement
frame dwelling.
Owner.....J. Anderson, 423 16th Ave.,
San Francisco.
Architect...None.
Day's work. COST, \$2400

FRAME DWELLING
(1162) W SEVENTEENTH AVE 100 S
Geary. Two-story and basement
frame dwelling.
Owner.....J. Anderson, 423 16th Ave.,
San Francisco.
Architect...None.
Day's work. COST, \$2400

FRAME TENEMENTS
(1163) W STOCKTON 37-6 N Chest-
nut 37x80. Cement, concrete and
grading and excavation for three-
story and basement frame tenements.
Owner.....Marco S. Bacigalupi, 1953
Stockton, S. F.
Architect...Italo Zanolini, 606 Mont-
gomery, San Francisco.
Contractor...G. B. De Lucchi, 35 Jasper
Place, San Francisco.
Filed Apr. 16, '15. Dated Feb. 27, '15.
Excavation completed and con-
crete footings in place.....\$500
Completed and accepted.....325
Usual 35 days.....275
TOTAL COST, \$1100
Bond, \$550. Surety, J. Lombardi.
Limit, 90 days after receiving plans
and specifications from architect.
Forfeit, \$5. Plans and specifications
filed.

(1164) PLASTER WORK, PLASTER
deafening, metal lathing and wood
lathing on above.
Contractor...L. Coppellotti.
Filed Apr. 16, '15. Dated Feb. 27, '15.
Brown coated\$500.00
Completed and accepted.....306.25

Usual 35 days.....268.75
TOTAL COST, \$1075.00
Bond, none. Limit, none. Forfeit, \$5.
Plans and specifications filed.

(1165) ALL WORK EXCEPT PLUMB-
ing, electric wiring, plaster, marble,
terrazzo, mosaic, painting, concrete
and cement work on above.
Contractor...De Benedetti & Cuneo, 20
Cotter, San Francisco.
Filed Apr. 16, '15. Dated Mar. 27, '15.
Ready for lathing.....\$1575.00
Completed and accepted.....2962.50
Usual 35 days.....1512.50
TOTAL COST, \$6050.00
Bond, \$3025. Surety, Pacific Coast
Casualty Co. Limit, 80 days. Forfeit,
\$15. Plans and specifications filed.

(1166) PLUMBING & GAS FITTING
on above.
Contractor...A. Curran, 635 Vallejo,
San Francisco.
Filed Apr. 16, '15. Dated Apr. 3, '15.
Roughing in done and fixtures
delivered\$431.25
Completed and accepted.....431.25
Usual 35 days.....287.50
TOTAL COST, \$1150
Bond, limit, none. Forfeit, \$10. Plans
and specifications filed.

FRAME DWELLING
(1167) NW BAKER AND VALLEJO
W 55xN 90. Painting and decorat-
ing two-story attic and basement
frame dwelling.
Owner.....John O. Gantner, 30 Geary,
San Francisco.
Architect...Louis M. Upton, 111 Ellis,
San Francisco.
Contractor...D. Zelinsky, 564 Eddy,
San Francisco.
Filed Apr. 16, '15. Dated Feb. 18, '15.
Interior 4 coats lead and oil on...\$577
Completed and accepted.....577
Usual 35 days.....386
TOTAL COST, \$1540
Bond, \$770. Surety, Maryland Casualty
Co. Limit, 40 days from Feb. 23. For-
feit, none. Plans and specifications
filed.

LAUNDRY BUILDING
(1168) NO. 2865 CALIFORNIA. All
work for two-story laundry building
Owner.....John P. Hart, 2800 Califor-
nia, San Francisco.
Architect...None.
Contractor...J. Pasqualetti, 748 Union,
San Francisco.
Filed Apr. 16, '15. Dated Apr. 15, '15.
Enclosed and T and G installed
and plumbing completed.....\$1000
\$900 in 2 promissory notes of
\$450, payable 2 years after date
of completion; 1 note delivered
to contractor on completion;
other note delivered to contrac-
tor 35 days after.....
TOTAL COST, \$1900
Bond, none. Limit, 35 days. Forfeit,
none. Plans and specifications filed.

LEASES.

Apr. 16, 1915—N IRVING (I) 57-6 W
9th Ave W 25xN 100. Edith A and
John F Burns, incompetent by Gdn
to Samuel Prohaska. 5 years. \$2400
Apr. 16, 1915—NO. 160 O'FARRELL N
line E of Stockton. O'Day Invest. Co.
to Neil H Dunn and Chas Harris,
assigned March 16, 1915 to Shaw
Cigar Co. 5 years. \$6000.
Apr. 16, 1915—NOS 3897, 3899 18TH
SE Cor. 18th. E J Healy to Chas

Schumann and Joseph Gigow. 5 years
\$2880.

Apr. 14, 1915—PROPERTY immediately
adj. N end of Cliff House Terrace.
Oceanside Amusement Co to Geo. S.
Watanabe and Tom J Sugimoto. 90
days prior to Dec. 31, 1915. \$100
per month.

Apr. 14, 1915—S O'FARRELL, bet
Jones and Leavenworth; No. 525.
O'Farrell. Henry Wolff to Elizabeth
Kryster. 36 months. \$14,940.

Apr. 15, 1915—S CALIFORNIA 110 E
Broderick E 27-6xS 187-6. John P
Hart to Ching Co. 10 years. \$6000.

INCORPORATIONS.

Motor Rapid Transit Company. To
deal in motor cars, automobiles and
vehicles propelled by electricity. Cap-
ital Stock, \$200,000; 200,000 shares at \$1
each; amount subscribed, \$3. Place of
business, San Francisco. Directors—
H. B. Guthrey, G. Pearson, F. W. Gil-
lette, 1 share each.

Minature Motor Vehicle Company.
To operate a concession at the Exposit-
ion. Capital Stock, \$50,000; 500 shares
at \$100 each; amount subscribed, \$1500.
Place of business, San Francisco. Di-
rectors—A. B. Tarpey, J. P. Edwards,
R. P. Chanslor, 5 shares each.

California Supply Company. To deal
in food products and provisions. Cap-
ital Stock, \$25,000; 250 shares at \$100
each; amount subscribed, \$360. Place
of business, San Francisco. Directors—
N. A. Petersen, H. P. Larsen, Martin
Udall, 1 share each.

Artic Cold Storage Company. To
manufacture and deal in ice. Capital
Stock, \$40,000; 40,000 shares at \$1 each;
amount subscribed, \$3. Place of busi-
ness, San Francisco. Directors—J. B.
McKenzie, E. R. Jameson, C. L. Hollis,
1 share each.

NOTICE OF NON-RESPONSIBILITY.

Apr. 15, 1915—N CHESTNUT 45 W
Van Ness Ave W 64-9 N 192-6 E
109-9 S 100 W 45 S 92-6. Bothin
Real Estate as to improvements on
leased property

Apr. 15, 1915—LOT 23 BLK 23 Crock-
er Amazon Tract. Crocker Estate
Co as to improvements on leased
property

Apr. 14, 1915—NW BRIDGE AVE
and Old Country Road SW 299.6
from point beginning, being NE
17 Lot 85 and ptns Lots 86, 87, 88,
89, 90, 91 Map Ppty R. Cords, Jr.,
Okd. H C Morris Co as to improve-
ments on leased property.....

BUILDING CONSTRUCTION SINCE FIRE.

Building construction in San Fran-
cisco since May, 1906, to March 31st,
1915, as shown in a report compiled
by the Building Department of the
Board of Public Works, is as follows:

Class "A"	180	\$ 33,726,004
Class "B"	203	14,805,486
Class "C"	2838	83,881,780
Frames	26458	100,119,058
Alterations	26254	19,114,144
Public Bldgs.	13	4,442,163
State Bldgs.	1	238,474
Exposition Bldgs	82	9,943,577
Total	56032	\$266,570,686

Structural Steel Contractors

**Works at
HARRISON ST.,
bet. 8th & 9th
San Francisco**

Telephone Market 337

CESSATION OF LABOR.

Apr. 12, 1915—NE MARIN & KENTUCKY N 125xN 200. Shell Co of California, Inc with Western Pipe & Steel Co of California, Inc. Work ceased ... March 26, 1915

CO-PARTNERSHIP.

R. Bianchi, E. Casini as "New Saratoga Fruit Market."
D. R. Shaw and D. E. Leahy as Shaw Cigar Company.

COMPLETION NOTICES.

San Francisco

Apr. 10, 1915—SW SANSOME AND California. Fireman's Fund Insurance Co to Capitol Sheet Metal Works, Apr 9; W P Fuller & Co, Apr 9; Scott Co, Apr 9; Nic Muriale Apr. 9; Rudgear-Merle Co, Apr. 9; F W Snook Co, Apr. 9; W D Henderson.....April 9, 1915
Apr. 10, 1915—S FRANCISCO 160-6 E Van Ness Ave E 60xS 35. Lucius L Solomons to McMullin von Voorhies Co et al.....April 6, 1915
Apr. 10, 1915—S ELLIS 137-6 W Jones W 82-6xS 137-6. Traders Realty Co to American Concrete Co.....April 8, 1915
Apr. 10, 1915—E BEALE 137-6 N Mission 91-8x137-6. bet. Market and Mission. Geo Rushforth, Act for S S Parsons to Sibley Grading & Teaming Co.April 8, 1915
Apr. 12, 1915—LOT 13 BLK 18 Allred Tract. Dominic Tiscornia to whom it may concern.....April 10, 1915
Apr. 12, 1915—NE EDDY AND JONES N 137-6xE 137-6. W E Dean to Geo S MacGruer and Robert M Simpson (as MacGruer & Co).....April 10, 1915
Apr. 13, 1915—N BUSH 102-6 E Hyde E 35 N 187-6 W 61-6 S 40 E 17 S 26 E 9-6 S 121-6. St. Francis Hospital Co, Inc to Higginson Co, Inc.....April 8, 1915
Apr. 13, 1915—N SUTTER 81 W Taylor N 137-6xW 56-6. Wm Hendrickson Jr, Trustee Gaffney Est to Fred Wagner.....April 9, 1915
Apr. 13, 1915—NW STOCKTON AND O'Farrell. Cafe Rex to Selbert Co, April 8; Frederick W Snook, April 5 Butte Eng & Elec Co Apr 5, 1915
Apr. 13, 1915—E POWELL 137-6 N California N 68-9xE 137-6. A W Wilson and Joe Martin to C F Hilliard & Co, Inc.April 7, 1915
Apr. 14, 1915—S FRANCIS 100 W Mission W 55xS 100. Catherine Drago to A De Benedetti and G

Cuneo.....Apr. 14, 1915
Apr. 14, 1915—NW LOMBARD AND Van Ness Ave 30x30. Morris Edelman to Mr. Zane.....Mar. 1, 1915
Apr. 14, 1915—E TWENTY-SEVENTH Ave, bet. West Clay and Sea Cliff Aves; Lot 54, Sea Cliff. Corinne M Carter to Graeme MacDonald & CoApril 5, 1915
Apr. 14, 1915—E LAGUNA 112-6 N Lombard S 81-3xN 25. Madeline Varney to whom it may concernApril 7, 1915
Apr. 14, 1915—SE TWENTY-FOURTH and Chuch E 100xS 40. S Persson to whom it may concern.....12, 1915
Apr. 14, 1915—N PACIFIC 45 E Jones E 23xN 60. G Ponti to A De Benedetti and G Cuneo.....Apr. 14, 1915
Apr. 14, 1915—W SHOTWELL 155 N 19th 120x122-6. Old Homestead Bakery to Prutcher & Serna.....April 10, 1915
Apr. 15, 1915—E GRANT AVE 47 S Filbert 23-7½x60. Angelo Soracco to B Pagano.....Apr. 15, 1915
Apr. 15, 1915—SE MADRID 150 NE Peru Ave NE 50xSE 100; ptn Lot 1 Blk 33, Excl Hd. Jos Cuneo and Edgar P Burman to whom it may concern.....Apr. 15, 1915
Apr. 15, 1915—EXPOSITION SITE. Inside Inn Hotel Co to H A Chalmers, Inc.....Apr. 7, 1915
Apr. 15, 1915—NE OCTAVIA AND Hayes N 120xE 38-3. L Gendotti Est Co to The Globe Sheet Metal Works and S J Schindler, Apr. 14; David Gibbs.....Apr. 14, 1915
Apr. 15, 1915—N SEVENTEENTH 130 E Howard N 150xE 50-6; E Howard 50 N 17th E 180-6 N 200 W 98-6 S 37-6 W 82 S 162-6; E Howard 170 S 16th E 180-6xN 70; SE 16th and Howard E 127-6xS 100; SW 16th and Shotwell W 127-6xS 100; NW 16th and Howard N 150xW 95; SW Howard and 16th W 175-6 S 90 E 75-6 N 2-6 E 100 N 87-6; NW 16th and Shotwell W 120xN 110. Mission Consolidated Realty Co to S W BandApr. 9, 1915
Apr. 16, 1915—N SUTTER 81 W Taylor N 137-6xW 56-6. Wm Hendrickson Jr Tr Gaffney Estate to Fred Wagner.....Apr. 9, 1915
Apr. 16, 1915—NW PINE AND HYDE 37-6 on W Hyde and 92 5-6 feet W on N Pine. Herman D Hogrefe to whom it may concern..Completed —
Apr. 16, 1915—EXPOSITION SITE. Glauber Brass Mfg Co to E C McDougall & Co.....Apr. 9, 1915

LIENS FILED

SAN FRANCISCO COUNTY.

Apr. 10, 1915 S PACIFIC AVE 85 W Divisadero W 15xS 137 8 1/2. O P Larson vs P M Fazio, L N Vezina,

Smyth Bros and John Smyth....\$785
Apr. 12, 1915—N BROADWAY 68-9 W Webster W 148-9xN 275. Herbert C Matthews vs Jas L Flood and A Knowles\$412.35
Apr. 12, 1915—EXPOSITION SITE. McNear Brick Agency vs Northwest Constr Co & Panama-Pacific International Exposition Co.\$1014.30
Apr. 13, 1915—SW LOMBARD AND Baker W 30xS 87-6. Louis Beltrami or Louis Belt vs A W MacKillop and Fred Petersen.....\$42
Apr. 13, 1915—E SEVENTEENTH AV 32-4½ S Rivera S 25xE 137-10. Spring Valley Lumber Yard vs Bessie G and E R Hayden...\$247.80
Apr. 14, 1915—EXPOSITION SITE. J E O'Mera vs Austrian Concessions Co, Geo E and E M Schneider and Panama-Pacific International Exposition Co\$148.53
Apr. 14, 1915—EXPOSITION SITE. California Glue Works vs Victor Heal and John Doe Morrison (as Heal & Morrison), W J Black, Havens & Toepke, A C Haun, San Mateo County Commission Co and Panama-Pacific International Exposition Co\$92.54
Apr. 14, 1915—S McALLISTER 55 W Gough W 55xS 137-6. S H Wilson vs Reuben Cohen and B O Smith.\$66
Apr. 14, 1915—S POWHATTAN 25 E Peralta Ave E 25xS 95. George Ryan vs Albert Schoenau.....\$90.71
Apr. 15, 1915—SW CHESTNUT AND W Van Ness Ave W 120xS 56. J H Murphy vs B Frankel, Jacob Kessler and Ella C Rohlfis.....\$2293
Apr. 15, 1915—EXPOSITION SITE. W P Fuller & Co vs Northwest Construction, Varhan Cardashian, Adj. High Commissioner and Executive Director from Turkey to Panama-Pacific International Exposition, Ottoman Empire and Panama-Pacific International Exposition Co.\$360
Apr. 15, 1915—NW CHESTNUT AND Van Ness Ave W 250xN 425. W P Fuller vs Northwestern Constr Co, American Oriental Concession Co and Panama-Pacific International Exposition Co\$378.87
Apr. 16, 1915—N BUCHANAN 72 N Francisco W 70 S 57 W 62 N 51 W 23 N 86-4 E 191 S 80-4 W 36. O Kurtz vs Marine Gardens & Cafe Co, Inc. and Panama-Pacific International Exposition Co...\$1056.27
Apr. 16, 1915—W FOURTH AVE 75 S Anza S 25xW 95. Pacific Hardware & Steel Co vs John F Haner..\$73.07
Apr. 16, 1915—LOT 3 NEW BLK 4030 Assessor's Map. Luther Metke vs David Hartley and E T Phillips.....\$12.25
Apr. 16, 1915—EXPOSITION SITE. W P Fuller & Co vs Exposition Service Company, Nippon Kyosan Kaisha and Panama-Pacific International Exposition Co.....\$565.26
Apr. 16, 1915—N TWENTIETH 25 E Collingwood E 25xN 75. W P Fuller Co vs John H and Caroline F Palmer and McCausland Bros.....\$179.50
Apr. 16, 1915—VALENCIA NOS. 1155-65, bet 22nd and 23rd. W P Fuller & Co vs Harriet M Stevens and T Loncono.....\$103
Apr. 16, 1915—W NOE 125 N 18th 25x 125. P A Donohue vs Emma Munro and J M Bailey.....\$25

RELEASE OF LIENS

SAN FRANCISCO COUNTY.

- Apr. 12, 1915—SE DRAKE AND 26TH Ave. Jas or James Christensen to Amelia Gartner
- Apr. 7, 1915—S NATOMA & SIXTH SW 75xSE 45. Julius C Krafft to Robert J Hancock.....
- Apr. 13, 1915—E JASPER (Union Pl) 93-1½ N Green N 44-6xE 58-6. W C Premus to Antonio Ferreccio....
- Apr. 10, 1915—E THIRD AVE 275 S California (South) S 25xE 120. Percy Schwartz (as Schwartz Elec Co) to Mr and Mrs John Wilson..\$30
- Apr. 15, 1915—S COMMERCIAL 68-5 W Kearny W 39-6xS 120; Nos. 719 725 Commercial. L A Hinson to Cathe D Larroche, Bernard A J J Castelle, Marguerite L Porte, Jas Harrison and Eva McCarthy....
- Apr. 15, 1915—SW STEINER AND Greenwich S 25xW 100. George Ryan to R Mosio and G Alessio...

OAKLAND AND ALAMEDA COUNTY.

APARTMENT HOUSE—3 story and base, frame, \$20,000. Berkeley, Alameda Co., Cal. Architect, W. L. Schmolle, 166 Geary street, S. F. Owner, Mrs. Lina Dabney. The building will be erected on the southeast corner of College and Derby streets, and has been designed for a number of stores on the first floor and modern apartments on the upper two floors. Apartments will consist of two and three rooms. Interior finish will be of pine and redwood with some elm panels. Hardwood floors will be used in the living and dining rooms. There will be furnace heat and a hot water system. All apartments will have wall beds and private baths. Tile wainscot and composition floors will be used in the bath rooms. Patent store fronts are specified. Exterior of the building will be covered with cement plaster on metal lath. Plans are complete and figures are now being taken.

RESIDENCES—2, 2 story and base, frame, \$3,500 each. Berkeley, Alameda Co., Cal. Architect, C. H. Miller, Dalfiel Bldg., Oakland. Owner's name withheld. These houses will be erected in Thousand Oaks Park, and each is designed to contain six rooms, bath and sleeping porch. Interior will be finished in pine and redwood with some hardwood veneer. Hardwood floors will be used in the living rooms, dining rooms and reception halls. Plans provide for furnace heat and open fire places. Mantels will be of tile and brick. Tile wainscot will be used in the bath rooms. Automatic water heaters are specified. Exteriors will be covered with cement plaster on metal lath. Plans are now being prepared.

RESIDENCE — 2 story and base, frame, \$7,500. Oakland, Cal. Architect, Charles W. McCall, Central Bank Bldg., Oakland. Owners, Alto Piedmont Land Co. The dwelling will be erected in the Crocker Highland, and has been designed for a five-room house with two baths and sleeping porch. Interior finish will be of pine and hardwood with white enamel in the bed rooms. Hardwood floors will be used in the principal rooms. There will be a Rector system of heating. Open fire places with brick or tile

mantels will also be used. Bath room will be finished in tile. An automatic water heater is specified. A separate garage will be erected in the rear of the property. Exterior of the building will be covered with cement plaster on metal lath. Plans are complete and figures are being taken.

RESIDENCE — 2 story and base, frame. Cost not stated. Berkeley, Alameda Co., Cal. Architect, Walter D. Reed, Oakland Bank of Savings Bldg., Oakland. Owner, Frank J. Woodward. The dwelling will be erected on Durant avenue, and has been designed for an eight-room house, with two baths and sleeping porch. Interior finish will be of pine and redwood with white enamel in the bed rooms. Hardwood floors will be used in the principal rooms. There will be furnace heat and open fire places. Mantels will be of tile and brick. An automatic water heater will be installed. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are now being prepared.

RESIDENCE — 2 story and base, frame, \$3,000. Oakland, Cal. Architect, none. Owner, John A. Bischoff, 6045 Harwood avenue, Berkeley. The dwelling will be erected on the south side of 63rd street, east of Hillegass avenue, and has been designed to contain seven rooms, bath and sleeping porch. Interior will be finished in pine and redwood, with white enamel in the bed rooms. Hardwood floors will be used in the living room, dining room and reception hall. Plans provide for furnace heat and open fire places. Mantels will be of tile. Tile wainscot will be used in the bath room and kitchen. An automatic water heater is specified. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor.

RESIDENCE — 2 story and base, frame, \$4,500. Berkeley, Alameda Co., Cal. Architect, Olin S. Grove, 2911 Telegraph avenue, Berkeley. Owner, Mr. Hunter. The dwelling will be erected on Colby street, Berkeley, and has been designed for an eight-room house with bath and sleeping porch. Interior finish will be of pine, redwood and white enamel. Hardwood floors will be used in the living room, dining room and reception hall. There will be furnace heat and open fire places. Mantels will be of tile or brick. Tile wainscot will be used in the bath rooms. An automatic water heater is specified. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are now being prepared.

APARTMENT HOUSES—2, 2 story and base, frame, \$20,000 each. Oakland, Cal. Architects, Rousseau & Rousseau, 100 Sutter street. Owners, Clyde Investment Co. These buildings will be erected on the east line of Third avenue south of East 114th street. Each building has been designed for a duplex apartment to contain sixteen rooms. Interior finish will be of pine and redwood and hardwood. Bed rooms will be finished in white enamel. Hardwood floors will be used in the principal rooms. Plans provide for steam heat, hot water system, wall beds and vacuum cleaning.

All apartments will have private baths. Bath rooms will be finished in tile wainscot with composition floors. Ornamental plaster will be used in the lobby. Exterior will be covered with cement plaster on metal lath. Plans are complete and sub-figures are now being taken.

FACTORY—1 story, reinforced concrete. Cost not stated. Emeryville, Alameda Co., Cal. Architect, W. L. Schmolle, 166 Geary street, S. F. Owner, Marchant Calculating Machine Co. The building will cover a considerable ground area, and will be fireproof throughout, with reinforced concrete floors, walls and roof slabs. Interior will be finished in pine. A large amount of special machinery is specified. Exterior of the building will be cement plaster. Plans are complete and figures are being taken.

RESIDENCE — 2 story and base, frame, \$4,200. Oakland, Cal. Architect, none. Owners, Vance Anderson Co., 1327 Broadway, Oakland. The dwelling will be erected on the east side of Lake Shore Drive near Walla Vista and has been designed for a seven-room house. Interior finish will be of pine and hardwood. Some hardwood floors will be used. Fans provide for furnace heat and open fire places. Mantels will be of tile and brick. Exterior of the house will be covered with rustic and cement plaster on metal lath. Plans are complete and in the hands of the owners who will do the work by Day Labor. Materials are now being purchased.

FRATERNITY HOUSE—3 story and base, frame, \$15,000. Berkeley, Alameda Co., Cal. Architect, Harris Allen, Central Bank Bldg., Oakland. Owners, Phi Kappa Psi. The building will be erected on Hearst avenue, and has been designed similar to a large residence. Interior will be finished in pine and hardwood with hardwood floors in the principal rooms. There will be furnace heat and open fire places. Mantels will be of tile and brick. Bath rooms will be finished in tile and equipped with showers. A hot water circulating system will be installed. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are now being prepared.

RESIDENCE — 2 story and base, frame, \$5,000. Oakland, Cal. Architect, William Knowles, Hearst Bldg., S. F. Owner, A. J. Mount. The dwelling has been designed for an eight-room house with two baths and sleeping porch and will be erected on Mara Vista avenue. Interior will be finished in pine and hardwoods with white enamel in the bed rooms. Hardwood floors will be used throughout. Bath rooms will be finished in tile. There will be furnace heat and open fire places. Mantels will be of tile or brick. An automatic water heater will be installed. Exterior of the house will be covered with cement plaster on metal lath. Plans are complete and the work will be done by Day Labor.

RESIDENCE — 2 story and base, frame. Cost not stated. Oakland, Cal. Architect, H. H. Gutterston, 80 Post street, S. F. Owners, Wickham Havens, Inc. The dwelling will be erected in the Crocker Highlands, and has been designed for an eight-room house with two baths and sleeping porch. Interior finish will be of pine

and hardwood with white enamel in the bed rooms. There will be furnace heat and open fire places. Mantels will be of tile or brick. Bath rooms will be finished in tile. An automatic water heater will be installed. Exterior of the house will be covered with cement plaster on metal lath. Plans are complete and figures are now being taken.

APARTMENT HOUSE—3 story and base, frame, \$30,000. Berkeley, Alameda Co., Cal. Architect, Harris Allen, Central Bank Bldg., Oakland. Owner, Mrs. Alice Rickard. The building will be erected on Bancroft Way east of College avenue, and has been designed to contain a number of two and three room suites. All apartments will have wall beds and private bath rooms. Interiors will be finished in pine and hardwood. Some hardwood floors will be used. There will be a steam heating system and hot water supply. Bath rooms will be finished in tile. Exterior of the building will be covered with cement plaster on metal lath. Plans are now being prepared.

STORES—1 story and base, frame, \$13,000. Oakland, Cal. Architect, Walter D. Reed, Oakland Bank of Savings Bldg., Oakland. Owner, Walter Arnstein. The building will be erected at the gore corner of 28th and Broadway, and will contain a large number of stores. Interiors will be finished in pine and hardwood. Patent store fronts are specified. Exterior of the building will be covered with cement plaster on metal lath. Plans are complete and out for figures.

FREE MARKET—1 story and base, brick, \$25,000. Oakland, Cal. Architects, Rousseau & Rousseau, 110 Sutter street, S. F. Owner's name withheld. The building will be erected at the southwest corner of Seventh and Washington streets and will cover an area of 100 by 100 feet. Interior will be arranged for a number of stalls, and will be finished in pine and white tile. Tile floor will be used. Exterior of the building will be faced with pressed brick trimmed with terra cotta. Plans are complete and segregated figures are being taken.

SCHOOL—1 story and base, frame and plaster, \$8,552. Oakland, Cal. Architect, Superintendent of School Repairs, Oakland. Owners, City of Oakland. Bids opened by the Oakland Board of Education for the Lakeview Addition No. 1 show J. C. Nielson low at \$8,552. All bids were referred to to the legal department for further action. A complete list of these figures appears under the heading of Oakland and Alameda County.

Oakland School Job Bids Are Opened.

Ten Bids Received For Construction of
Addition No. 1 of Lakeview School.
J. C. Nielson Low.

Bids were opened by the Oakland Board of Education for the Lakeview Addition No. 1, a one-story and basement frame school building to be erected at the southwest corner of Perry and Van Buren streets. The following is a list of the bids received:

Lakeview School Addition.

O. B. Ackerman & Son.....	\$ 8,747
J. T. Christenson.....	9,039
Robert Glaze	9,788
M. L. Koski.....	10,476
McLeran & Peterson.....	9,990
J. C. Nielson.....	8,552
Lester H. Stock.....	9,302
H. F. Wrampelmeier.....	9,590
Arthur Osborne	9,661
William McDonald	9,500

All bids were referred to the legal department for further action.

Building Contracts Awarded.

Oakland.

No.	Owner.	Contractor	Amt.
658	Ferreira	Ferguson	1650
659	Peck	Peck	1800
660	Ormsby	Rogers	1100
661	Carr	Carr	1900
662	Lebo	Lebo	2500
663	Pac Can	Pac Tank	1525
664	Siegrist	Crow	2350
665	Brigham	Nichols	1415
666	Anthony	Heyer	2500
671	Haas	Ohrenberg	400
672	Batten	Batten	1900
673	Schultz	Knight	400
674	Anderson	Taylor	1600
679	Elwell	Webb	400
689	Hansen	Hansen	475
690	Zahn	Zahn	2000
691	Button	Button	2500
692	Taylor	Baumann	1750
693	Tremble	Tremble	2500
694	Silven	Souza	600
695	Etter	Etter	3000
697	Allen	Kerrigan	1825
698	Oakland	Withers	1140
699	Firpo	Helms	500
700	Same	Same	400
701	Camozzi	Compomenosi	1675
696	Clyde	Clyde	8000
704	Central Svcs.....	Cummins	5500
705	Christ Se	Houghton	63851
706	Krygell	Cords	1700
707	Wilkins	Wilkins	1800
708	Settergreen	Olson	2400
709	Oakland	Schnebly	2115
710	Anderson	Anderson	4200

DWELLING

(658) E EIGHTY-FIFTH AVE 245 N E-14th, Oakland. One-story 5-room dwelling.

Owner.....E. Ferreira.
Architect...None.
Contractor...A. L. Ferguson, 3268 Prentiss, Oakland.
COST, \$1650

DWELLING

(659) E FORTY-SEVENTH AVE 500 N Melrose Ave., Oakland. One and one-half-story 6-room dwelling.

Owner.....L. N. Peck, 2174 47th Ave., Oakland.
Architect...None.
Day's work.....COST, \$1800

DWELLING

(660) N FORTY-FOURTH 150 W West, Oakland. One-story 4-room dwlg.

Owner.....Edgar L. Ormsby, 39 Monte Vista Ave., Oakland.
Architect...None.
Contractor...Chas. Rogers, 5426 Boyd Ave., Oakland.

Filed Apr. 10, '15. Dated Apr. 2, '15.
Frame up 1/4 || Brown coated | 1/4 |
Completed	1/4
Usual 35 days.....	1/4
TOTAL COST, \$1100	

Bond, none. Limit, 60 days after Apr. 5. Forfeit, \$5. Plans and specifications filed.

NOTE: 1st report No. 600, April 5th.

DWELLING

(661) E SHAFTER AVE 280 S Clifton, Oakland. One-story 5-room dwelling.

Owner.....Harold W. Carr, 5252 Shafter Ave., Oakland.

Architect...None.

Day's work.....COST, \$1900

DWELLING

(662) S SIXTY-SIXTH 210 E Telegraph Ave., Oakland. One and one-half-story 9-room dwelling.

Owner.....P. L. Lebo, 453 66th, Okd.
Architect...None.
Day's work.....COST, \$2500

WATER TOWER

(663) NW TWELFTH AND PINE, Oakland. Steel water tower.

Owner.....Pacific Coast Canning Co., Premises.

Architect...None.

Contractor...Pacific Tank & Pipe Co., 318 Market, San Francisco.
COST, \$1525

DWELLING

(664) W MILES AVE 120 S Cavour, Oakland. One and one-half-story 6-room dwelling.

Owner.....L. Siegrist, Cor. Miles and Cavour, Oakland.

Architect...None.

Contractor...J. W. Crow, 511 56th, Okd.
COST, \$2350

ALTERATIONS

(665) NO. 1180 EIGHTH, Oakland. Alterations.

Owner.....F. E. Brigham, Apartment 23, Grenada Apts, Okd.

Architect...None.

Contractor...Leo L. Nichols, 1764 Broadway, Oakland.
COST, \$1415

DWELLING

(666) W GRAND AVE 150 S Sunny-slope, Oakland. Two-story six-room dwelling.

Owner.....Anthony & Heyer, 314 Dalziel Bldg., Okd.

Architect...None.

Day's work.....COST, \$2500

ALTERATIONS

(671) NO. 368 TWENTY-NINTH, Oakland. Alterations.

Owner.....Mrs. Haas, Premises.

Architect...None.

Contractor...H. A. Ohrenberg, 5605 Beaudry, Oakland.
COST, \$400

DWELLING

(672) S HYDE 150 W Peralta Ave., Oakland. One and one-half-story 5-room dwelling.

Owner.....S. Batten, 3281 Hyde, Okd.

Architect...None.

Day's work.....COST, \$1900

ALTERATIONS

(673) SE FIRST AVE & BOULEVARD Place, Oakland. Alterations.

Owner.....F. W. Schultz, Cor. 16th & Grove, Oakland.

Architect...None.

Contractor...F. W. Knight, 557 22nd, Oakland.
COST, \$400

DWELLING

(674) N HAYS 265 E Seminary Ave., Oakland. One-story 5-room dwlg.

Owner.....F. Anderson, Hays and Seminary Ave., Oakland.

Architect...None.

Contractor...W. C. Taylor, 1901 69th Ave., Oakland.
COST, \$1600

DWELLING

(678) S SIXTY-THIRD 312½ E Hille-gass, Oakland. Two-story 8-room dwelling.
Owner.....John A. Bischoff, 6045 Harwood Ave., Oakland.
Architect...None.
Day's work. COST, \$3000

ADDITION

(679) NO. 4710 FAIR AVE., Oakland. Addition.
Owner.....Carrie Pratt Elwell, Prem
Architect...None.
Contractor...Thos. W. Webb, 4663 Tompkins Ave., Oakland.
COST, \$400

ADDITION

(689) NO. 1474 SEVENTY-FOURTH Ave., Oakland. Addition.
Owner.....T. S. Hansen, Oakland High School.
Architect...None.
Day's work. COST, \$475

DWELLING

(690) E TOWNSEND AVE 200 N Wel-lington, Oakland. One-story 6-room dwelling.
Owner.....Walter Zahn, 669 Oakland Ave., Oakland.
Architect...None.
Day's work. COST, \$2000

DWELLING

(691) W HILLEGASS 100 N 62nd, Oakland. One-story 6-room dwelling
Owner.....I. W. Button, 347 63rd, Oakland.
Architect...None.
Day's work. COST, \$2500

DWELLING

(692) N TRASK 200 W Ygnacio, Oak-land. One-story 5-room dwelling.
Owner.....Baumann & Taylor, 6106 Noble, Oakland and 1512 Curtis, Berkeley.
Architect...None.
Contractor...G. W. Baumann.
COST, \$1750

DWELLING

(693) W RAWSON 160 N Trask, Oak-land. One-story 6-room dwelling.
Owner.....M. H. Tremble, 2469 Raw-son, Oakland.
Architect...None.
Day's work. COST, \$2500

DWELLING

(694) N E-EIGHTH 91 W Can Ave., Oakland. One-story 3-room dwlg.
Owner.....A. I. Silver, 2819 Boehmer, Oakland.
Architect...None.
Contractor...J. F. Souza, 605 29th Ave., Oakland.
COST, \$600

DWELLING

(695) W WARFIELD AVE 100 S Cot-tage, Oakland. Two-story 7-room dwelling.
Owner.....D. M. and H. H. Etter, 843 Laurel, Alameda.
Architect...None.
Contractor...D. M. Etter, 843 Laurel, Alameda. COST, \$3000

APARTMENTS

(696) E THIRD AVE 110 S E-14th, Oakland. Two-story 16-room apart-ments.
Owner.....Clyde Improvement Co.,

110 Sutter, San Francisco.
Architect...Rousseau & Rousseau, 110 Sutter, San Francisco.
Day's work. COST, \$8000

DWELLING

(697) W EVERETT 96 S Hampel, Oak-land. One-story 5-room dwelling.
Owner.....R. J. Allen, S. F.
Architect...None.
Contractor...Wm. H. Kerrigan, 5753 Oakland Ave., Oakland.
COST, \$1825

FOUNDATION

(698) FOOT JEFFERSON, Oakland. Reinforced concrete foundation.
Owner.....City of Oakland.
Architect...None.
Contractor...L. B. Withers, 2001 Allston Way, Berkeley.
COST, \$1140

ALTERATIONS

(699) NO. 1524 CAMPBELL, Oakland. Alterations and additions.
Owner.....John Firpo, 1674 16th, Okd.
Architect...None.
Contractor...Wm. C. Helms, 1213 Has-kell, Berkeley.
COST, \$500

BARN

(700) E CAMPBELL 150 S 16th, Oak-land. One and one-half-story barn.
Owner.....John Firpo, 1674 16th, Okd.
Architect...None.
Contractor...Wm. C. Helms, 1213 Has-kell, Berkeley.
COST, \$400

DWELLING

(701) S FOURTEENTH 280 E Center, Oakland. One-story 5-room dwlg.
Owner.....R. Camozzi, 1415 13th, Okd
Architect...None.
Contractor...E. Campomenosi, 5174 Miles Ave., Oakland.
COST, \$1675

ALTERATIONS

(704) NE FOURTEENTH & BROAD-way, Oakland. Marble work for alterations to bank building.
Owner.....Central Savings Bank, Premises.
Architect...Benj. G. McDougall, Shel-don Bldg., S. F.
Contractor...C. L. Cummins, 2617 Santa Clara Ave., Alameda.
Filed Apr. 15, '15. Dated Mar. 29, '15.
Once a month.....75%
Usual 35 days.....25%

TOTAL COST, \$2500
Bond, \$2750 and \$2750. Surety, South-western Surety Insurance Co. Limit, 21 days. Forfeit, \$100. Plans and specifications filed.

CHURCH

(705) NE THIRTY-FOURTH & ELM being Lots 51, 52 and 53 Pacific Theological Seminary Tract, Oak-land. All work for one and two-story and basement brick and steel church.

Owner.....Second Church of Christ, Scientist, Premises.
Architect...W. A. Newman, Hewes Bldg., San Francisco.
Contractor...Shirley Houghton and R. H. Van Sant Jr. (Van Sant Houghton Co), 503 Market, San Francisco.
Filed Apr. 15, '15. Dated Apr. 7, '15.

Each month\$75%

Usual 35 days.....25%
TOTAL COST, \$63,851
Bond, \$31,925.50. Surety, Guardian Casualty & Guaranty Co. Limit, 175 days. Forfeit, none. Plans and speci-fications filed.

DWELLING

(706) E 35 LOT 26 BLK "F" Map Alton Park, being S Garnet 144 W Broadway, Oakland. All work for one-story 5-room dwelling.
Owner.....Manna K. and Max Kry-gell, 4165 Broadway, Okd.
Architect...None.
Contractor...Alfred Cords, 312 Com-mercial Bldg., Oakland.
Filed Apr. 15, '15. Dated Apr. 14, '15.
Frame up¼
Plastered¼
Completed¼
Usual 35 days.....¼

TOTAL COST, \$1700
Bond, none. Limit, 75 days. Forfeit, \$1. Plans and specifications filed.

DWELLING

(707) N GRAY 400 E 35th Ave., Oak-land. One-story 5-room dwelling.
Owner.....Nellie Wilkins.
Architect...None.
Day's work. COST, \$1800

DWELLING

(708) N NAVY 90 E Broadway, Oak-land. One-story 5-room dwelling.
Owner.....A. H. Settergreen, Mary-land Apts., Oakland.
Architect...None.
Contractor...Arvid E. Olson, 721 10th, Oakland.
COST, \$2400

CONCRETE PAVILION

(709) SAN ANTONIO PARK, Oakland. Concrete pavilion.
Owner.....City of Oakland.
Architect...Walter D. Reed, Oakland Bank of Svgs Bldg., Okd.
Contractor...Schnebli, Hostrawser & Pedgrift, 1st and Jackson, Oakland.
COST, \$2115

DWELLING

(710) E LAKESHORE AVE 300 N Walla Vista, Oakland. Two-story 7-room dwelling.
Owner.....Vance Anderson Co., 1327 Broadway, Oakland.
Architect...None.
Day's work. COST, \$4200

Building Contracts Awarded.

Berkeley.

No.	Owner	Contractor	Amt.
667	Ala Bldrs	Wiley	3000
668	Hamilton	Mason	3000
669	Hadjopoulos	Aalto	1600
670	McFarland	Pinkerton	2500
675	West Coast	Judson	750
676	Bonner	Bonner	2400
677	Leeboldt	Skee	550
678	Bischoff	Bischoff	3000
702	Watt	Peake	3600
703	Wolfold	Kollmer	5800

DWELLING

(667) NE HILLEGASS & RUSSELL, Berkeley. Two-story 7-room dwlg.
Owner.....Alameda County Home Bldrs., 1st National Bank Bldg., Berkeley.
Architect...None.
Contractor...J. M. Wiley, 1718 Hearst Ave., Berkeley.
COST, \$3000

DWELLING

(668) W SANTA BARBARA ROAD
1631 N Spruce, Berkeley. Two-
story 8-room dwelling.

Owner.....A. J. Hamilton, Elks' Club
Berkeley.

Architect...Al. H. Gutterson, 80 Post,
San Francisco.

Contractor...Mason McDuffie Co., Shat-
tuck & Addison, Bkly.

COST, \$3000

ADDITION

(669) NO. 2105 SAN PABLO AVE.,
Berkeley. Addition.

Owner.....Z. G. Hadjopoulos, Bkly.

Architect...None.

Contractor...E. J. Aalto, 1531 Califor-
nia, Berkeley.

COST, \$1600

DWELLING

(670) W GROVE 92 N Ward, Ber-
keley. One and one-half-story 6-
room dwelling.

Owner.....Geo. B. McFarland, Wash-
ington, D. C.

Architect...None.

Contractor...J. A. Pinkerton, 1931
Berryman, Berkeley.

COST, \$2500

WAREHOUSE

(675) S GRAYSON 600 W Fifth, Ber-
keley. One-story galvanized iron
warehouse.

Owner.....West Coast Kalsomine Co.
Premises.

Architect...None.

Contractor...Judson Paint & Grinding
Co., 14th and Grayson, Bkly.

COST, \$750

DWELLING

(676) S FOREST 125 W Piedmont Ave.
Berkeley. Two-story 6-room dwlg.

Owner.....A. W. Bonner, 2722 Russell
Berkeley.

Architect...None.

Day's work.

COST, \$2400

ADDITION

(677) N ADDISON 100 N Fourth,
Berkeley. Addition.

Owner.....T. Leeboldt, 1047 Merced,
Berkeley.

Architect...None.

Contractor...A. Y. Skee, 1415 McGee,
Berkeley.

COST, \$550

DWELLING

(702) S MARIN AVE 250 E Lassen,
Berkeley. Two-story 9-room dwlg.

Owner.....H. J. Watt, 2810 Fulton,
Berkeley.

Architect...None.

Contractor...F. R. Peake Co., 2127 Uni-
versity Ave., Berkeley.

COST, \$3600

DWELLING

(703) S PARKSIDE DRIVE 100 E Up-
lands, Berkeley. Two-story 8-room
room dwelling.

Owner.....J. H. Wold, 1709 Sonoma
Ave., Berkeley.

Architect...None.

Contractor...Jacob Kollmer, 2813
Stuart, Berkeley.

COST, \$5800

Alameda.

No.	Owner	Contractor	Am't.
680	Hillen	Hillen	2000
681	West End Bldg	Owner	1500
682	Chamberlain	Morris	1400
683	Alameda	Spence	3780
684	Schmidt	Schmidt	500

685	Allstead	Allstead	1600
686	Mix	Shaw	400
687	Noble	Noble	1800
688	Noble	Noble	2000

DWELLING

(680) NO. 161 CENTRAL AVE., Ala-
meda. One-story 5-room dwlg.

Owner.....R. C. Hillen, 430 Haight
Ave., Alameda.

Architect...None.

Day's work.

COST, \$2000

DWELLING

(681) NE BUENA VISTA AVE AND
Bay, Alameda. One-story 5-room
dwelling.

Owner.....West End Bldg. Ass'n.,
1600 Webster, Alameda.

Architect...None.

Day's work.

COST, \$1500

DWELLING

(682) NO. 1416 FIFTH, Alameda. One
story 5-room dwelling.

Owner.....H. B. Chamberlain, 444
Central Ave., Alameda.

Architect...None.

Contractor...Justis Morris, 2828 Rich-
mond Ave., Oakland.

COST, \$1600

BRICK GARAGE

(683) CITY HALL LOT (rear), Ala-
meda. Brick garage.

Owner.....City of Alameda.

Architect...None.

Contractor...A. T. Spence, 641 Taylor
Ave., Alameda.

COST, \$3780

ADDITION

(684) NO. 654 CENTRAL AVE., Ala-
meda. Addition.

Owner.....Mrs. A. M. Schmidt, Prem.

Architect...None.

Day's work.

COST, \$500

DWELLING

(685) S TAYLOR AVE 244 E Page,
Alameda. One-story 5-room dwlg.

Owner.....V. C. Allstead, 458 Lincoln
Ave., Alameda.

Architect...None.

Day's work.

COST, \$1600

ADDITION

(686) NO. 411 CENTRAL AVE., Ala-
meda. Addition.

Owner.....J. Mix, Premises.

Architect...None.

Contractor...E. E. Shaw, 475 Central
Ave., Alameda.

COST, \$400

DWELLING

(687) NO. 2530 BUENA VISTA AVE.,
Alameda. One-story 5-room dwlg.

Owner.....G. H. Noble, 2220 Central
Ave., Alameda.

Architect...None.

Day's work.

COST, \$1600

DWELLING

(688) W BROADWAY 250 S Buena
Vista, Alameda. One-story 6-room
dwelling.

Owner.....G. H. Noble, 2220 Central
Ave., Alameda.

Architect...None.

Day's work.

COST, \$2000

COMPLETION NOTICES.

ALAMEDA COUNTY

Apr. 10, 1915—N FORTIETH 290 E
Telegraph Ave 65x110, Oakland.
Eugene A Schmidt to whom it may

concern.....April 10, 1915

Apr. 13, 1915—E EMERSON 65 from

SW line E-37th SW 35 SE 100 N

19.50 NW 65, Okd. L H Montgom-

ery to G H Lewis.....Apr. 12, 1915

Apr. 13, 1915—S BROOKDALE AVE

140 W Persimmon S 100 W 55 N to

Brookdale Ave E 75. Charles Hud-

son to whom it may concern.....

.....April 12, 1915

Apr. 13, 1915—END EMBANKMENT

near Engineer Station 145 of Key

System Pier W to pt nearly opp

Engineer Station 50, Okd. S F, O

T Railway to S F Bridge Co.....

.....April 9, 1915

Apr. 13, 1915—S SANTA CLARA AVE

bet Oak and Park, Ala. A H W

Koerber to Powell Bros Constr Co

.....April 12, 1915

Apr. 14, 1915—S MARIN 98 E Per-

alta Ave 40x128, Northbrae. J S

Killam to M P Brasch.....Apr. 14, 1915

Apr. 14, 1915—LOT 12 BLK 4 Martin

Kellogg Tract, Bkly. James M Mc-

Elkinney to whom it may concern

.....April 10, 1915

Apr. 15, 1915—LAKESHORE AVE

No. 922, Okd. Dr W J McCracken

to whom it may concern.....Apr. 10, '15

Apr. 16, 1915—STEPHENS RANCH,

Town of Mission San Jose. Ste-

phens Ranch by F Azevedo to F C

Griffin.....March 26, 1915

Apr. 16, 1915—SE ROAD leading fm

Mission San Jose to Warm Springs

known as Stephens Tract. A

Stephens by F Azevedo to F C

Griffin & Sons.....March 2, 1915

Apr. 16, 1915—LOT 9 BLK B Fourth

Ave Park, Okd. Ng Poon Chew to

United Home Bldrs....Mar. 31, 1915

LIENS FILED.

ALAMEDA COUNTY.

Apr. 10, 1915—LOT 37 Jeannette Van

Ah Tract, Okd. Dolan Bros Wreck-

ing Co vs H A Biglow and K M

Sheridan\$275

Apr. 12, 1915—LOT 1 BLK 1 Map

Grand View Terrace, Bkly. James

Haberlin, \$18.22; W U Parks, \$22.25

Lytton Sweeney, \$31 vs Z P Smith

and Wm Megrew.....

Apr. 14, 1915—SW HIBBARD AND

Buena Vista Ave S 133 1/2 W 108 N

33 1/2 E 36 N 100 E 72, Ala. J F

Ellis (National Roofing Co), \$32.50;

John P Maxwell (Maxwell Hard-

ware Co), \$40.52 vs W T, Ella and

Carola Hess, Fred Hess Jr, Ella

McPike, T B Henry, Trustee T B

Henry, John Doe Harris and John

and Richard Doe.....

Apr. 14, 1915—LOT 81 Searls Tract,

Okd. Adam Dalgleish vs Olaf Till-

man and T S Peterson.....\$32.50

Apr. 14, 1915—S 40 LOT 134 Fruitvale

Add'n Tract, Okd., \$64.87.

S 20 LOT 136 and N 20 Lot 135,

Fruitvale Add'n Tract, Okd., \$58.62.

N 40 LOT 137, Fruitvale Add'n Tct,

Okd., \$57.62.

LOT 139, Fruitvale Add'n Tract,

Okd., \$44.90.

LOT 138, Fruitvale Add'n Tract,

Okd., \$56.19.

Apr. 15, 1915—NE FIFTY-FIFTH &

Telegraph Ave N 25x E 100, Okd.

Silvano Bognasco vs First Cavalli,

J Gallo and First Mulvihill....\$24.50

Apr. 16, 1915—N FORTY-THIRD

180.26 E Grove E 30xN 91.25, Okd.

J D McTeer vs Alfred Olson and

William Williams\$22.30

RELEASE OF LIENS**ALAMEDA COUNTY.**

Apr. 12, 1915—LOT 129 Map Crocker Highlands except ptn NE 1/4 line parallel NE boundary line Lot 129 and distant L 5 SW therefrom and ptn Lot 130 lying NE line drawn from E Cor. Lot 130 to point on SE L Mandana Blvd distant 13 SW from N Cor. Lot 130, Okd. John P Maxwell to Henry E Jackson and Oscar Sairanen\$107.81

SAN JOSE AND THE SANTA CLARA VALLEY

LIGHT POSTS — Ornamental iron Cost not stated. San Mateo, San Mateo Co., Cal. Engineer, City Engineer, San Mateo. Owners, City of San Mateo. The City Trustees have rejected the bids received at a recent meeting for ornamental posts to be erected in San Mateo Park on account of the excessive price.

PAVEMENT—Cost not stated. Hollister, San Benito Co., Cal. Engineer, City Engineer, Hollister. Owners, City of Hollister. Resolutions relating to the paving of Monterey and South streets have been passed to print, the plans and specifications for the work having been approved. Bids will be called for shortly.

MEMORIAL MONUMENT — Bronze and marble. Cost not stated. San Jose, Santa Clara Co., Cal. Architect, August Headman, New Call Bldg., S. F. Owner, Neglee Memorial Association. Plans have been completed for the memorial shaft to be erected in St. James Park by the Neglee Memorial Association. There will be a concrete foundation, a marble shaft of pink Tennessee marble, with a bronze head and bronze tablet. Plans are complete and figures are being taken.

MANUAL TRAINING BUILDING—1 story, frame, \$10,000. Santa Cruz, Santa Cruz Co., Cal. Architect, W. H. Weeks, 75 Post street, S. F. Figures are just being taken for the one-story frame building which will be used as a manual training school by the Santa Cruz Union High School. Interior of the building will be finished in pine with a cement floor. There will be special manual training equipment, which will be purchased under a separate contract. Exterior of the building will be covered with cement plaster on metal lath. Bids will be opened on April 22nd. Plans and specifications can be secured from the architects.

CORRUGATED PIPE AND ROAD WORK—Cost not stated. Monterey, Monterey Co., Cal. Engineer, County Surveyor, Monterey. Owners, Monterey County. Bids will be opened on May 4th for furnishing the County of Monterey with all corrugated iron pipe to be used for road and bridge work during the year. On the same date bids will be opened for the construction of a considerable amount of County Highways. Plans can be secured from the County Clerk's office.

HIGHWAY CONSTRUCTION — Cost not stated. Redwood City, San Mateo Co., Cal. Engineer, County Surveyor, Redwood City. Owners, San Mateo County. Plans have been completed for the construction of five pieces of highway work in the various road districts of the county. All roads will be of oiled macadam. Bids will be opened on May 3rd. Plans can be se-

cured from the office of the County Clerk.

BUILDING CONTRACTS**SANTA CLARA COUNTY.****FRAME DWELLING**

LOT 13 BLK 1 Barrett and Mack Sub., San Jose. All work for frame dwlg. Owner.....P. N. and M. Dalis, 338 Orchard, San Jose.

Architect...None.

Contractor...L. C. Morris.

Filed Mar. 29, '15. Dated Mar. 15, '15.
Frame up\$100
Brown plaster on..... 400
When completed 400
Usual 35 days..... 400
TOTAL COST, \$1600

Bond, \$850. Sureties, A. H. Parker and E. S. Trowbridge. Limit, forfeit, none. Plans and specifications filed.

FRAME DWELLING

LOT 8 Randall Tract on Morse Street, Santa Clara, between Santa Clara and San Jose. All work for one-story frame dwelling.

Owner.....B. W. and S. F. Rucker.

Architect...W E Higgins, Santa Clara Contractor...W. E. Childers.

Filed Mar. 30, '15. Dated Mar. 30, '15.
Frame up\$537.50
When plastered 537.50
When completed 537.50
Usual 35 days..... 537.50
TOTAL COST, \$2150.00

Bond, \$1075. Surety, U. S. Fidelity & Guaranty Co. of Baltimore, Md. Limit, 90 days. Forfeit, none. Plans and specifications filed.

COMPLETION NOTICES**SANTA CLARA COUNTY.****RECORDED ACCEPTED**

Mar. 31, 1915—W NINTH, bet. Margaret and Virginia, San Jose. S G Pelton to whom it may concern.....March 31, 1915

Apr. 1, 1915—NR COR. ELEVENTH and Margaret, being ptn Lots 14 and 15, Ruds Add'n Blk 2, San Jose. E G Emerson to Wm Roberts.....March 26, 1915

Apr. 2, 1915—LOT 3 BLK 21, Montgomery and Rea Sub., San Jose. E D Wells to whom it may concern.....April 2, 1915

Apr. 6, 1915—NEAR COR FIRST & William, San Jose. S Montgomery to Morrison Bros.....Mar. 29, 1915

LIENS FILED**SANTA CLARA COUNTY.****RECORDED AMOUNT**

Mar. 29, 1915—LOTS 35 AND 36 Buena Vista Sub, Mountain View. J W Fish vs W N Mork.....\$253.67

Mar. 30, 1915—LOT 12 Monte Vista Tract, Santa Clara. J J O'Brien vs Eliz A Green.....\$102.05

Apr. 6, 1915—NOVITIATE PPTY near Los Gatos. J J Connolly & Son vs Novitiate of Los Gatos, Inc.....\$3325.80

Apr. 8, 1915—ON KENNEDY ROAD about 1/2 mile from Los Gatos. R R Bill vs L Lauret.....\$66.73

Apr. 8, 1915—NOVITIATE PPTY near Los Gatos. Wm Sporleder, \$322.72; R R Bell, \$581.85 vs Novitiate of Los Gatos, Inc.....

Apr. 9, 1915—SE 28 TP 8 S RANGE

1 W M D B & M. Novitiate Ppty near Los Gatos. Pacific Bldg. Material Co vs Novitiate of Los Gatos, Inc\$512.53

BUILDING CONTRACTS**SAN MATEO COUNTY.****CLASS "C" BRICK BUILDING**

GRAND AVE AND LINDEN, South San Francisco. All work for two-story and basement Class "C" brick building.

Owner.....A. Galli, South San Francisco.

Architect...Charles Fantoni, 916 Kearny, San Francisco.

Contractor...A. De Benedetti and G. Cuneo, 20 Cotter, S. F.

Filed Apr. 6, '15. Dated Apr. 5, '15.
Joists of 2nd story in place....\$1128
When enclosed 1128
When brown coated..... 1128
Completed and accepted..... 1128
Usual 35 days..... 1738
TOTAL COST, \$6250

Bond, \$3125. Sureties, V. Rege and Paolo Segale. Limit, 90 days. Forfeit, \$5. Plans and specifications filed.

FRAME RESIDENCE

LOT "A" Turner Terrace, San Mateo. All work for two-story frame residence.

Owner.....Annie L. Turner, San Mateo

Architect...Will H. Toepke, 46 Kearny, San Francisco.

Contractor...William S. Leadley, San Mateo.

Filed Apr. 12, '15. Dated Apr. 6, '15.
Frame up and sheathed.....\$1065
1st coat plaster on..... 1065
Frame up 1066
Completed & notice recorded... 1066
Usual 35 days..... 1422
TOTAL COST, \$5685

Bond, \$2850. Sureties, W. H. Pfafflin, C. Hopper and Eliza A. Hopper. Limit, 80 days. Forfeit, \$10. Plans and specifications filed.

FRAME BUILDING

COLMA. Grading, concrete work, iron, carpenter and mill work, lathing and plastering, roofing, plumbing, etc., for two-story and basement frame building.

Owner.....The Roman Catholic Archbishop of San Francisco, 1100 Franklin, S. F.

Architect...John J. Foley, 46 Kearny, San Francisco.

Contractor...James T. McCarthy, 432 Eureka, San Francisco.

Filed Apr. 6, '16. Dated Mar. 24, '15.
Rough frame up.....\$2196.25
Brown coat plaster on..... 2196.25
Completed and accepted..... 2196.25
Usual 35 days..... 2196.25
TOTAL COST, \$8785.00

Bond, \$4392.50. Surety, Fidelity & Deposit Co. of Maryland. Limit, 105 days. Forfeit, none. Plans and specifications filed.

COMPLETION NOTICES.**SAN MATEO COUNTY.****RECORDED ACCEPTED**

Apr. 6, 1915—LOT 425, SECTION "G" Woodlawn Cemetery. G Sanguinetti to Raymond Granite Co.....Apr. 1, 1915

Apr. 12, 1915—LOT 33 BLK "K" Sub No. 3 Re-sub of Blks "G" and "H" No.2, Hayward Park, San Mateo.

Wybro

Reg. U. S. Pat. Office
Veneered Panels of
Unexcelled quality—
Sold only at

White Brothers

5th and Brannan Streets

San Francisco

Look for **QUALITY** in
panels---not cheap price.

You can get "cheaper" panels for a little less money, but there are no better panels made than the WYBRO.

Look for **quality** in panels cheap panels are always expensive.

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Munday & Williams
Attorneys-at-Law

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615 Phelan Building, San Francisco

August Davis to Croop & Keegan
April 8, 1915
Apr. 12, 1915—LOTS 31 AND 32 BLK
12, Central Park No. 2, Redwood
City. P Bechler to whom it may
concern.....April 12, 1915

LIENS FILED

SAN MATEO COUNTY.

RECORDED	AMOUNT
Apr. 9, 1915—LOT 230, San Mateo Park, San Mateo. Alonzo Fisher, \$300, Peter Fonos, \$100 vs R H Fulton and Baldwin & Howell....	
Apr. 10, 1915—LOT 11 BLK "B" 1st Add'n to Huntington Park, San Bruno. A A Le Reaux vs Emma Kidd	\$49.50

MARIN, CONTRA COSTA AND SONOMA COUNTIES.

BRIDGE—Steel and reinforced concrete, \$120,000. Richmond, Contra Costa Co., Cal. Engineer, County Surveyor, Martinez. Owners, Contra Costa County. Plans and specifications for the bridge to span the Old and Middle Rivers, and which will cost \$120,000, have been adopted by the County Supervisors. The plans call for a total span of 542 feet, which includes the approaches at both ends. The steel structure over each river will be 257 feet long, making a total of 514 feet. There will be a 21-foot driveway and plenty of room on either side for pedestrians. The Board has not yet issued a call for bids, but stated it will do shortly.

BRIDGE—Timber and concrete. Cost not stated. Rio Vista, Solano Co., Cal. Engineer, County Surveyors of Sacramento and Solano Counties. Owners, Sacramento and Solano Counties. Plans for the piles and pile driving in connection with the construction of the trestle over the Sacramento River near Rio Vista have been completed and figures are now being taken. Bids will be opened on May 3rd.

BRIDGES—12, reinforced concrete. Cost not stated. Colusa, Colusa Co., Cal. Engineer, County Surveyor, Colusa. Owners, Colusa County. Plans for the construction of twelve more reinforced concrete bridges have been completed and figures are now being taken. Bids will be opened by the Board of Supervisors on May 4th. Plans and specifications can be secured from the office of the County Clerk or County Surveyor at Colusa.

STREET IMPROVEMENT—Cost not stated. Santa Rosa, Sonoma Co., Cal. Engineer, City Engineer, Santa Rosa. Owners, City of Santa Rosa. Plans have been completed for the improvement of Santa Rosa avenue from the bridge to the city limits. The work will include grading, macadam pavement, concrete curbs and gutters. Bids will be opened on May 4th. Plans and specifications can be secured from the City Clerk's office.

STREET WORK—Cost not stated. Napa, Napa Co., Cal. Engineer, City Engineer, Napa. Owners, City of Napa. A resolution of intention to widen a portion of St. Sebastian street lying between the westerly line of North Brown street and the westerly line of

North Seminary street, has been passed by the City Council.

STREET WORK—\$8,000. Richmond, Contra Costa Co., Cal. Engineer, City Engineer Chapman, Richmond. Owners, City of Richmond. Plans and specifications for the improvement of Thirteenth street, known as Mary street, have been adopted by the City Council. According to the estimate of City Engineer Chapman oil macadam will be \$3.32 per front foot.

SEWER CONSTRUCTION—Cost not stated. Pittsburg, Contra Costa Co., Cal. Engineer, City Engineer Oliver, Pittsburg. Owners, City of Pittsburg. City Engineer Oliver has been instructed by the Board of Trustees to make a survey of the territory at the city limits on Second street and report to the Board of the estimate cost of all sewer construction needed in that locality, together with plans for the work. Plans for this work will be presented at the next meeting, when bids will probably be called for.

BRIDGE—Reinforced concrete. Cost not stated. Suisun, Solano Co., Cal. Engineer, County Surveyor, Fairfield. Owners, Solano County. Plans and specifications for the construction of a reinforced concrete bridge across Alamo Creek on the route of the State Highway have been adopted, and the Clerk has been instructed to advertise for bids. Bids will be opened on May 3rd.

STREET PAVING—Cost not stated. Napa, Napa Co., Cal. Engineer, City Engineer, Napa. Owners, City of Napa. A resolution of intention ordering street work on Stockton street, between Even and Wilson, has been

Williamson's Continuous Clothes Line Outfit

Clothes Line Problem Solved At Last

DOUBLE your line space, use all the line. No empty top line, keeps the clothes free from the soiled line, making it sanitary. Take clothes off any part of line without removing the wet clothes.

CONSTRUCTION: The pulleys are made of cast iron galvanized; so constructed as to allow the patent clothes pins to pass through carrying the clothes around the pulleys, thereby using both lines.

BY using three pulleys, the lines are spread apart as shown in the picture and allows you to put clothes on or take them off the line without hanging out of the window side-ways. The clothes pin is made of heavy galvanized wire formed in such a manner as to allow it to be fastened to the clothes line very easily; nothing complicated to get out of order. Holds the clothes free from the line so the lines need not be covered with cloth-strips in order to keep the clothes from being soiled from the line. The strongest wind cannot blow the clothes out of the pins as they are held in a spring slot. When the wind blows it pulls the clothes deeper into the slot holding them tighter.

NO SPRINGS TO PRESS OR SQUEEZE
to get the clothes in or out. Just slip clothes in slot and pull down. WILL hold the daintiest fabrics or the heaviest blanket. 1346 Mission St. Phone Mkt 4008.

THIS OUTFIT CONSISTS OF 3 DOZEN
Sanitary, Stronghold, Clothes Pins, 3 Continuous
Clothes Line Pulleys and 1 Pair Line Splicers.
Price, \$2.00 per Set.

adopted by the Napa City Council. Plans and specifications for an asphalt roadway on the new East First street bridge were also adopted.

Contracts Awarded.

BRIDGES—2, reinforced concrete, \$1,390.80. Sausalito, Marin Co., Cal. Engineer, County Surveyor, San Rafael. Owners, Marin County. Contractor, S. P. Brownlee, Kentfield. Contract price, \$1,390.80.

ROAD CONSTRUCTION — Cost not stated. Ukiah, Mendocino Co., Cal. Engineer, County Surveyor, Ukiah. Owners, Mendocino County. Contractors Duncanson-Harrelson Co., Chronicle Bldg., S. F. Contract price, \$0.34 per cubic yard for earth work and \$0.50 per cubic yard for concrete.

ROAD CONSTRUCTION — \$1,285. Ukiah, Mendocino Co., Cal. Engineer, County Surveyor, Ukiah. Owners, Mendocino County. Contractor, Thomas Ellison, Ukiah. Contract price, \$1,285.

PAVING—Cost not stated. Willits, Mendocino Co., Cal. Engineer, City Engineer, Willits. Owners, City of Willits. Contractors, Clark-Henery Co., Stockton. Contract price not stated.

BUILDING CONTRACTS

MARIN COUNTY.

FRAME DWELLING

TOWN OF BELVEDERE. Carpenter work, lath and plaster, hardware, etc., for frame dwelling.

Owner.....Miriam M. Durrell.

Architect...Edward G. Bolles, 660 Market, San Francisco.

Contractor...Geo. W. Boxton & Son,

1411 Broderick, S. F.

Filed Apr. 15, '15. Dated Apr. 10, '15.

April 26, 1915.....\$ 560

May 10, 1915.....560

May 17, 1915.....560

May 31, 1915.....560

June 14, 1915.....560

Acceptance of building.....560

Usual 35 days.....1120

TOTAL COST, \$4470

Bond, \$2235. Surety, New Amsterdam Casualty Co. Limit, 70 working days. Forfeit, none. Plans and specifications filed.

BUNGALOW

WARDEN TRACT, San Rafael. All work and labor and materials for bungalow.

Owner.....James Hornell, 107 West End Ave., San Rafael.

Architect...None.

Contractor...H. H. Jepsen.

Filed Apr. 7, '15. Dated Apr. 6, '15.

Rough frame up.....\$425

1st coat plaster on.....425

When completed.....425

Usual 35 days.....425

TOTAL COST, \$1700

Bond, none. Limit, 40 days. Forfeit, none. Plans and specifications filed.

COMPLETION NOTICES

CONTRA COSTA COUNTY

RECORDED

ACCEPTED

Apr. 7, 1915—LOTS 24 AND 25 BLK 48, City of Richmond. Richmond Club to whom it may concern.....

.....March 16, 1915

FRESNO, MODESTO STANISLAUS AND CENTRAL CALIFORNIA.

APARTMENT HOUSE—2 story and base, frame, \$15,000. Fresno, Fresno Co., Cal. Architect, J. Carl Thayer, Fresno. Owner, Ralph Wafford. The building will be erected and Stanislaus and M streets, and will cover a considerable ground area. The interior has been arranged for a number of two and three rooms apartments. Pine and redwood with some elm panels will be used for interior finish. Hardwood floors are also specified. All bath rooms will have tile wainscot and composition floors. Wall beds will be used. There will be furnace heat and a hot water system. Exterior of the building will be covered with cement plaster on metal lath. Plans are complete and figures are being taken.

EARTH FILL—Cost not stated. Modesto, Stanislaus Co., Cal. Engineer, Chief Engineer, Modesto Irrigation District, Modesto. Owners, Modesto Irrigation District. Plans and specifications for the construction of an earth fill over Indian Gulch have been adopted by the Board of Directors of the Modesto Irrigation District, and Secretary Abbott, Hearst Bldg., S. F., was instructed to advertise for bids to be received on May 4th at 2 p. m.

GRADING AND CULVERTS—Cost not stated. Bakersfield, Kern Co., Cal. Engineer, County Surveyor, Bakersfield. Owners, County of Kern. Plans for grading and the construction of a number of culverts along the Bakersfield-Glennville road have been completed and are now out for figures. This work covers about 5.4 miles. Bids will be opened on May 5th.

MAUSOLEUM—Reinforced concrete, \$20,000. Hanford, Kings Co., Cal. Architect's name not given. Owner, J. Clarence Rice. The building will be erected in Hanford Cemetery within the next sixty days. The design is in the classic style and will be of reinforced concrete throughout. Plans provide for about 200 crypts. Interior will be finished in marble and Caen stone. Considerable art glass and ornamental bronze are specified. Plans are in the hands of the owner who will let all contracts.

CLUB HOUSE—2 story and base, frame, \$4,000. Sonora, Tuolumne Co., Cal. Architects, Hutchinson & McLean, 470 13th street, Oakland. Owner, A. B. Russell. The building has been designed for a club house. It will contain besides a social room, a ball room. Interior will be finished in pine. There will be furnace heat and a large open fire place. Mantel will be of stone. A maple floor will be used in the ball room. Exterior of the building will be covered with rustic. Plans are complete and in the hands of the owner who will do the work by Day Labor.

RESIDENCES—1 and 2 story, frame. Cost as follows. Fresno, Fresno Co., Cal. Architect, none. The following Day Labor jobs are reported as about to be started in Fresno: D. Housepian, 333 N street, 1 story, frame, \$1,800, and H. C. Triesner, Fresno, 1 story, frame \$1,000. Plans are in the hands of the owners who will do the work by Day Labor. Materials are now being purchased.

LIBRARY—1 story and base, brick. Cost not stated. Newman, Stanislaus

Co., Cal. Architect, Ernest J. Kump, Rowell Bldg., Fresno. Owners, City of Newman. The building has been designed in the classic style and will cover an area of 30 by 60 feet. There will be a large reading room, stack rooms and office for the librarian. Interior will be finished in pine with hardwood floors. Metal book stacks are specified. Exterior of the building will be faced with cement plaster. Plans are now being prepared.

CEMENT—Cost not stated. Bakersfield, Kern Co., Cal. Engineer, County Surveyor, Bakersfield. Owners, Kern County. Bids opened by the Board of Supervisors for furnishing the county with 90,000 barrels of cement have been rejected, as no satisfactory bid was received. New bids have been ordered re-advertised.

Contracts Awarded

EXTENSIONS TO IRRIGATION SYSTEM, \$15,000. Oakdale, Stanislaus Co., Cal. Engineer, Chief Engineer, Oakdale Irrigation District. Owners, Oakdale Irrigation District. Contractor, J. H. Clark, Oakdale. Contract price, \$15,000.

COUNTY HIGHWAY CONSTRUCTION —\$64,825.98. Bakersfield; Kern Co., Cal. Engineer, County Surveyor, Bakersfield. Owners, Kern County. Contractors, Mackis & McLean, Bakersfield, Wasco-Lost Hills road; Mesmer & Rice, Bakersfield, \$47,461.40, Bakersfield-McKittrick road.

EARTH FILLS—\$71,065. Modesto, Stanislaus Co., Cal. Engineer, Chief Engineer, Modesto Irrigation District, Modesto. Owners, Modesto Irrigation District. Contractors, Healy-Tibbitts Construction Co., 3 Main street, S. F. Contract price, \$71,065.

BUILDING CONTRACTS

FRESNO COUNTY.

DWELLING

LOTS 21 AND 22 BLK 346, Fresno. Dwelling.

Owner.....Geo. W. Johnston, 1761 F St., Fresno.

Architect...None.

Day's work. COST, \$1000

BUILDING

LOTS 29 TO 32 BLK 60, Fresno. Building.

Owner.....J. Olender, 910 S St., Fresno.

Architect...None.

Contractor...Emmett Riggins, 1908 Fresno St., Fresno.

COST, \$3000

DWELLING

LOTS 26 AND 27 BLK 101, Fresno. Dwelling.

Owner.....D. Housepian, 333 N St., Fresno.

Architect...None.

Day's work. COST, \$1800

DWELLING

LOTS 11 AND 12 BLK 33 Arlington Heights, Fresno. Dwelling.

Owner.....H. C. Triesner.

Architect...None.

Day's work. COST, \$1000

DWELLING

LOTS 31 AND 32 BLK 1 Villa Add'n, Fresno. Dwelling.

Owner.....John M. Yarnell, 135 Effe St., Fresno.
 Architect...None.
 Contractor...Geo. B. Bingham and C. B. Wallace.
 Filed Apr. 1, '15. Dated —.
 Owner to pay all bills for material and labor each week and when completed to pay contractor balance
 TOTAL COST, \$1065
 Bond, limit, forfeit, none. Plans and specifications none.

COMPLETION NOTICES

FRESNO COUNTY.

RECORDED ACCEPTED
 Apr. 9, 1915—W ½ OF LOT 6 BLK 7,
 W ½ of S ½ Lot 1 Blk 10, Terry
 Tract, Fresno. J A Cowdrey to
 whom it may concern...Apr. 5, 1915

LIENS FILED

FRESNO COUNTY.

RECORDED AMOUNT
 Apr. 13, 1915—LOTS 11 TO 14 BLK 64,
 Fresno. Geo Glass, \$41; Pacific
 States Elec Co, \$284; Electric Rail-
 way & Mfgs Supply Co, \$1935;
 John A Roebblings Sons Co, \$38 vs
 T C White.....\$89
 Apr. 13, 1915—LOTS 33 AND 34 BLK
 4, South Fresno Add'n. Hollen-
 beck-Bush Planing Mill vs Jos
 Oddo\$89
 Apr. 13, 1915—S ½ OF LOT 8 N ½
 Lot 9 Blk 1, Griffith Add'n, Fresno.
 Nudt Johnson vs R A Hoghton..\$210

ARCHITECT'S CERTIFICATE.

FRESNO COUNTY.

Hugh Y. Davis has filed his certi-
 ficate of architecture in Fresno County.
 Filed April 13, 1915.

SACRAMENTO, STOCKTON AND NORTHERN CALIFORNIA.

RESIDENCE — 1 story and base,
 frame, \$3,000. Sacramento, Cal. Ar-
 chitect, none. Owner, E. E. McKoy,
 3029 E street, Sacramento. The dwell-
 ing will be erected on C street in the
 Casa Loma Terrace, and will contain
 five rooms and bath. Interior finish
 will be of pine and redwood. Some
 hardwood floors will be used. There
 will be open fire places with tile or
 brick mantel. Bath room and kitchen
 will have imitation tile wainscot. Ex-
 terior of the dwelling will be covered
 with cement plaster on metal lath
 lath. Plans are complete and in the
 hands of the owner who will do the
 work by Day Labor.

BRIDGE—Timber and concrete. Cost
 not stated. Ukiah, Mendocino Co., Cal.
 Engineer, County Surveyor, Ukiah.
 Owners, Mendocino County. Plans and
 specifications have been adopted by
 the Board of Supervisors for the con-
 struction of a bridge across Ash
 Creek in the First Supervisorial Dis-
 trict, and bids will be received until
 May 14th at 2 p. m.

BRIDGES—18, steel and reinforced
 concrete, \$200,000. Redding, Shasta
 Co., Cal. Engineer, County Surveyor,
 Redding. Owners, Shasta County.
 Eighteen bridges will have to be built
 in Shasta County along the line of the
 State Highway. It is estimated that

the total cost will be \$200,000. They
 will be constructed of steel or rein-
 forced concrete, according to condi-
 tions. The longest structure will
 cross the Sacramento River near Ant-
 ler—850 feet. The bridge across the
 Pitt, near Baird, will be 750 feet in
 length; Cottonwood Creek, 750 feet,
 and Slate Creek, 700 feet. Each of
 fourteen of the bridges will be less
 than 200 feet in length. Plans are now
 being prepared.

HIGHWAY CONSTRUCTION — Cost
 not stated. California. Engineer,
 State Highway Commission, Forum
 Bldg., Sacramento. Owners, State of
 California. Plans for highway con-
 struction in the following counties
 have been completed and figures are
 now being taken: Sonoma 6½ miles,
 Contra Costa 5½ miles, Monterey 3
 miles, Monterey 6 miles, Monterey 3.2
 miles. Bids will be opened on April
 26th. Plans and specifications can be
 secured from the State Highway Com-
 mission.

SEWER WORK—Cost not stated.
 Stockton, San Joaquin Co., Cal. En-
 gineer, City Engineer, Stockton. Own-
 ers, City of Stockton. Resolutions of
 intention have been passed by the City
 Council and plans and specifications
 have been adopted for the construc-
 tion of sewers in the district bounded
 by Lincoln, Edison, Taylor and South
 streets. Bids on this work will soon
 be called for.

STREET PAVING, ETC.—Cost not
 stated. Stockton, San Joaquin Co.,
 Cal. Engineer, City Engineer, Stock-
 ton. Owners, City of Stockton. Plans
 for additional street work, grading,
 curbs, gutters, sidewalks and mac-
 adam pavements have been approved
 by the City Council and figures are
 now being taken. Bids will be opened
 on April 30th. Plans and specifica-
 tions can be secured from the City
 Clerk's office.

STREET PAVING, ETC.—Cost not
 stated. Sacramento, Cal. Engineer,
 City Engineer, Sacramento. Owners,
 City of Sacramento. Plans have been
 completed for paving, gutters, curbs,
 sidewalks and sewers in E street, D
 street and 12th street. Plans are now
 out for figures and bids will be opened
 on April 22nd. Plans can be secured
 from the City Clerk's office.

MINERAL BATHS—1, story, frame,
 \$20,000. Stockton, San Joaquin Co.,
 Cal. Architect, Ralph P. Morrell, Odd
 Fellows' Bldg., Stockton. Owners,
 The Olympia Baths, Inc. The building
 will be erected at the northeast cor-
 ner of East and Main streets, and
 will cover a considerable ground area.
 The design is in the Mission style. In-
 cluded in the work will be a large
 concrete tank 60 by 120 feet. Special
 mechanical equipment, water filters
 and water heaters will be installed.
 Considerable tile wainscot is specified.
 Exterior of the building will be cov-
 ered with rustic and cement plaster
 on metal lath. Plans are now being
 prepared.

LIBRARY—1 story and base, rein-
 forced concrete, \$10,000. Willits, Men-
 docino Co., Cal. Architects, Fabre &
 Bearwald, Merchants' Exchange Bldg.,
 S. F. Owners, Town of Willits. The
 building has been designed in the
 classic style, and will contain public
 space, stack room and office for the
 librarian. The basement will be used
 as an assembly hall. Interior finish
 will be of pine with maple floors.

There will be furnace heat. Metal
 stacks are specified. Exterior of the
 building will be covered with cement
 plaster on metal lath. Plans are com-
 plete and figures are now being taken.

SCHOOL—1 story, frame. Cost not
 stated. Chico, Butte Co., Cal. Archi-
 tect, State Architect George B. Mc-
 Dougall, Sacramento. Owner, State of
 California. Bids have been called for
 the second time on the construction
 of the model one-story rural school
 building, which is to be erected at the
 State Normal School at Chico. Bids
 for this work will close May 18th.
 Plans and specifications can be se-
 cured from the State Department of
 Engineering, Sacramento. An official
 proposal appears in another column of
 this issue.

RESIDENCE — 1 story and base,
 frame, \$2,000. Sacramento, Cal. Ar-
 chitect, none. Owner, H. L. Weaver,
 2915 S street, Sacramento. The dwell-
 ing has been designed for a five-room
 house with bath and sleeping porch,
 and will be erected on T street. Inter-
 ior finish will be of pine and red-
 wood. Some oak floors will be used.
 There will be a large open fire place
 and tile mantel. Exterior of the
 dwelling will be covered with rustic.
 Plans are complete and in the hands
 of the owner who will do the work
 by Day Labor.

STREET PAVING—Cost not stated.
 Gridley, Butte Co., Cal. Engineer,
 City Engineer Felleman, Gridley.
 Owners, City of Gridley. At a meet-
 ing of the City Trustees a resolution
 of intention was adopted to provide
 for the setting of grade for the paved
 sections, according to plans and spec-
 ifications prepared by City Engineer
 Felleman, which have been adopted.

STORE ALTERATIONS — Cost not
 stated. Stockton San Joaquin Co.,
 Cal. Architect, Ralph P. Morrell, Odd
 Fellows' Bldg., Stockton. Owners,
 Yost Bros. Plans are being prepared
 for extensive alterations to the store
 fronts in the Hale Building, located
 on East Main street. The work will
 include marble bases, patent store
 fronts, plate glass and interior mill
 work.

POST OFFICE—2 story and base,
 brick and steel, \$75,000. Willows,
 Glenn Co., Cal. Architects, Bliss &
 Faville, Balboa Bldg., S. F. Owners,
 United States Government. Plans for
 this building have been approved by
 the authorities in Washington and
 will be forwarded to San Francisco at
 once. No details have been made pub-
 lic. Further mention of the work will
 be made when bids are called.

WATER SUPPLY EXTENSION —
 Cost not stated. Yuba City, Sutter Co.,
 Cal. Engineer, City Engineer, Yuba
 City. Owners, Yuba City. Finding it
 necessary to enlarge the municipal
 water plant, the Trustees have pur-
 chased a lot adjoining the engine
 room, on which other buildings will
 be erected. Plans have been agreed
 upon, and it is thought that a call for
 bids will be issued shortly.

COUNTRY CLUB—1½ story and
 base, frame, \$10,000. Stockton, San
 Joaquin Co., Cal. Architect, E. B.
 Brown, Yosemite Bldg., Stockton.
 Owners, Stockton Golf Club. The
 building will be erected on the banks
 of the San Joaquin River, just outside
 of the city limits of Stockton. It has
 been designed to resemble a large res-
 idence, which will contain a number

of sleeping rooms, social rooms, dining hall and a completely equipped kitchen. A ball room will also occupy a large portion of the building. Interior finish will be of pine and redwood. Hardwood floors will be used. There will be furnace heat and open fire places. Mantels will be of tile or brick. Exterior of the building will be faced with cement plaster on metal lath. Plans are complete and figures

BUILDING CONTRACTS

SACRAMENTO COUNTY.

CONCRETE AND MASON WORK
LOT 4 BLK 13 and W 7.35 acres of Lots 6 and 8 Blk 13 Fair Oaks Add'n, Sacramento. Concrete and mason work, etc., for building.

Owner.....George Bell, 2524 O St., Sacramento.

Architect...None.

Contractor..Harry A. Hendren.

Filed Apr. 10, '15. Dated Apr. 10, '15.

COST, \$4999

LANUDRY AND FLAT BLDG.

LOT 38 of East Sacramento Tract on N side Schley, M Ave bet 31st and Hawley Ave of said Tract, Sacramento. One-story brick laundry and flat building.

Owner.....G. C. Snider, 2510 31st St., Sacramento.

Architect...None.

Contractor..C. J. Guth, 1516 27th St., Sacramento.

Filed Apr. 12, '15. Dated Apr. 10, '15.

COST, \$3369

RESIDENCE

NO. 3130 S ST., on Lot 8, T street Court, Sacramento. One-story five-room residence.

Owner.....H. L. Weaver, 2915 S St., Sacramento.

Architect...None.

Day's work.

COST, \$1500

FRAME GARAGE

NO. 2025 P ST., on W ½ Lot 5, O, P, 20th & 21st Sts., Sacramento. Frame private garage.

Owner.....L. E. Vondercook, Prem.

Architect...None.

Day's work.

COST, \$400

GARAGE

NO. 300 STOCKTON ROAD, Lots 44 and 45 Curtis Oaks, Sacramento. Private garage.

Owner.....C. H. S. Bidnell, 505 Bryte Bldg., Sacramento.

Architect...None.

Day's work.

COST, \$300

FRAME DWELLING

NO. 2104 S ST., on E ½ of N ½ Lot 1, S, T, 27th and 28th Sts., Sacramento. One and one-half-story six-room frame dwelling.

Owner.....Fred Groth, 1304 Q St., Sacramento.

Architect...None.

Contractor..R. M. Smith, 2017 18th St., Sacramento.

COST, \$2400

LIENS FILED

SACRAMENTO COUNTY.

RECORDED AMOUNT

Apr. 8, 1915—LOTS 12 AND 13 BLK

1 bounded by Blake Ave, Upper Stockton Road, Vine and Vina

Vista Ave., Sacramento. F M
Sweat vs C D Patterson....\$134.60

BUILDING CONTRACTS

SAN JOAQUIN COUNTY.

RESIDENCE AND GARAGE

LOT 5 BLK "I" Yosemite Terrace, Stockton. All work for residence and frame garage.

Owner.....Jay D. Crist, 128 E-Flora, Stockton.

Architect...Franklyn E. Warner, Room 37, San Joaquin Bldg Stockton.

Contractor..W. E. French, 722 N-Harrison and F. R. Zinck, 141 E Maple, Stockton.

Filed Apr. 10, '15. Dated Apr. 10, '15.

Foundations completed and floor

joists in place.....\$ 450.00

House enclosed and roof com-

pleted 609.00

Work accepted 1031.25

Usual 35 days..... 693.75

TOTAL COST, \$2775.00

Bond, none. Limit, 60 days after April 12. Forfeit, none. Plans and specifications filed.

RECORDED ACCEPTED

Apr. 9, 1915—NW SUTTER & MAIN Stockton. Commercial & Savings Bank to Monarch Iron Works....

.....March 31, 1915

Apr. 8, 1915—NW SUTTER & MAIN, Stockton. Commercial & Savings Bank to Otis Elevator Co, March 31

Forderer Cornice Works.Apr. 5, 1915

COMPLETION NOTICES

SAN JOAQUIN COUNTY.

RECORDED ACCEPTED

Apr. 9, 1915—BLK BDED By Monroe, Flora, Park & Madison, Stockton. Board of Education of Stockton to Daniels & Green.....Apr. 7, 1915

Apr. 14, 1915—NW SUTTER & MAIN, Stockton. Commercial & Savings Bank to Floodberg & McCaffery, April 9; Holloway Lxpanded Metal Co.April 4, 1915

LOS ANGELES AND SOUTHERN CALIFORNIA.

SEWER CONSTRUCTION—Cost not stated. San Luis Obispo, San Luis Obispo Co., Cal.—Engineer, City Engineer, San Luis Obispo. Owners, City of San Luis Obispo. The City Engineer has been instructed to prepare plans and specifications for the construction of sewers in the following streets: Mill street, between North Broad and Moro, 773 feet; Santa Rosa street, between Beech and Fig, 630 feet; Toro street, between Peach and Sycamore to flush tank, 873 feet; Grove street, between Palm and Mill, 380 feet; Garden street, between Pismo and Buchon, 221 feet.

STREET WORK—Cost not stated. Riverside, Riverside Co., Cal. Engineer, City Engineer, Riverside. Owners, City of Riverside. Plans for the improvement of Fairmont Boulevard have been completed and are now out for figures. The work consists of macadam pavement and ornamental lighting system. Bids will be opened on April 26th. Plans at the office of the City Clerk.

RESIDENCE—2 story, attic and base, frame. Cost not stated. Los Angeles, Cal. Architect, John C. Austin, Baker-Detwiler Bldg., L. A. Owner, M. H. Mosier. The dwelling will be erected in Fremont Square, and has been designed for a fourteen-room house with several baths, sleeping porches and conservatory. A separate garage will be erected. Interior finish will be of pine and hardwood, with white enamel in the bed rooms. There will be a central heating system and hot water circulating system. Bath rooms will be finished in tile. Hardwood floors will be used throughout. Exterior of the dwelling and garage will be covered with cement plaster on metal lath. Plans are complete and figures are being taken.

SCHOOLS—3, brick and concrete, \$135,000. Redondo, Los Angeles Co., Cal. Architects, Allison & Allison, Hibernian Bld., L. A. Owners, Redondo Union High School District. The three buildings will include an administration building three stories high covering an area of 84 by 120 feet, a science and household building and commercial building, each two stories, and covering area of 62 by 102 feet. Stairways and corridors will be of reinforced concrete. Interior finish will be of pine with maple floors. There will be a complete steam heating system, modern school plumbing, vacuum cleaning and program clocks. Exteriors will be faced with cement plaster with tile inlays. Clay tile roofs will be used. Plans are complete and figures will be called for shortly.

COUNTY HIGHWAY CONSTRUCTION—Cost not stated. Riverside, Riverside Co., Cal. Engineer, County Surveyor, Riverside. Owners, Riverside County. All bids submitted to the County Supervisors for grading and bridge building on the four-mile section of the County Highway from Temecula to the San Diego County line have been rejected. Seven bids were received for this work, but all were too high. New bids will be opened by the Board on April 28th.

STORES AND OFFICES — 3 story and base. Class A construction, \$30,000. Los Angeles, Cal. Architect, W. S. Saunders, Laughlin Bldg., L. A. Owners, Enterprise Construction Co. The building will be erected on Jackson street near Central avenue, covering an area of 104 by 137 feet. There will be a number of stores on the first floor. Upper floors will be arranged for modern offices. There will be a complete steel frame, exterior walls of brick, faced with pressed brick trimmed with terra cotta. Interior will be finished in pine and hardwoods. Marble bases and tile corridors will be specified. Plans provide for steam heat and elevator service. Plans are complete and segregated figures will be taken by the architect.

Contracts Awarded.

RESIDENCE — 2 story and base, brick and frame. Cost not stated. Los Angeles, Cal. Architects, Dennis & Hewitt, Fay Bldg., L. A. Owner, George E. Huntsberger. Contractors, Huntsberger-Reed Construction Co. Van Nuys Bldg., L. A. Contract price not stated.

SCHOOL — 2 story and base, brick, \$31,739. Los Angeles, Cal. Architects, Train & Williams Exchange Bldg., L. A. Owners, City of Los Angeles. Contractors, Willard-Brent Co., Baker-

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Detwiler Bldg., L. A. Contract price, \$31,739.

SCHOOL—2 story and base, brick, \$19,250. Watts, Los Angeles Co., Cal. Architects, Tuttle & Angle, Delta Bldg., L. A. Owners, Watts Grammar School District. Contractor H. E. La Rue, Watt, general construction, \$19,250; Foss & Jones Pasadena, heating and ventilating, \$3,133 and J. S. Lange, Watts, plumbing, \$1,435.

SCHOOL—1 story and base, brick, \$19,475. Los Angeles Cal. Architects, Train & Williams Exchange Bldg., L. A. Owners, City of Los Angeles. Contractor, M. N. Yesberg, 1650 Morton street, L. A. Contract price, \$19,475.

WAREHOUSE—4 story and base, reinforced concrete, \$21,634. Los Angeles, Cal. Architect, A. C. Martin, Higgins Bldg., L. A. Owner, August Wolfarth. Contractors Alta Planning Mill Co., 530 McGarry street, L. A., general construction \$21,634.

STREET PAVING \$31,137.85. Santa Barbara, Santa Barbara Co., Cal. Engineer, City Engineer, Santa Barbara.

Owners, City of Santa Barbara. Contractors, Municipal Improvement Co., Santa Barbara. Contract price, \$31,137.85 and \$10,346.82.

PORTLAND AND OREGON

APARTMENT HOUSE—3 story and base, brick. Cot not stated. Portland, Ore. Architect, Aaron H. Gould, Henry Bldg., Portland. Owner's name withheld. The building will be located on Davis street, covering an area of 46 by 100 feet, and has been arranged to contain thirty apartments of two and three rooms. All apartments will have wall beds and private baths. Interior finish will be of pine and hardwood. Hardwood floors will be used in the living and dining rooms. Plans provide for steam heat and an automatic elevator, hot water system and vacuum cleaning. Bath rooms will be finished in tile. Exterior of the building will be finished with pressed brick. Plans are complete and figures are being taken.

VIADUCT—Reinforced concrete. Cost not stated. Portland, Ore. Engineer, County Surveyor, Portland. Owners, Multnomah County. Plans for a large reinforced concrete viaduct, which will be erected on the Columbia River Highway, have been completed and are now out for figures. The work will include the following approximate quantities: 260 cubic yards of class A concrete in the foundations, 52 cubic yards, same, in the superstructure, 47,000 pounds reinforcing steel. Plans and specifications can be secured from the State Highway Commissioners, Salem. Bids will be opened on May 3rd.

STORES—1 story and base, reinforced concrete, \$40,000. Portland, Ore. Architects, Emil Schacht & Son, Commonwealth Bldg., Portland. Owners, Russell & Blyth. The building will be erected on property bounded by Ankeny, Pike, Sixth and Fifth streets and will cover an area of 50 by 155 feet. There will be a number of stores finished in pine and hardwood. Tile and maple floors will be used. Patent store fronts are specified. Exterior of the building will be faced with pressed brick. Foundations and walls are heavy enough to carry nine additional stories. Plans are complete and figures are being taken.

Contracts Awarded.

FACTORY—1 story and base reinforced concrete, \$60,000. The Dalles, Ore. Architect C. J. Crandall. The Dalles. Owners Libby, McNeill & Libby. Contractor, Frank Leonard, Lewis Bldg., Portland. Contract price, \$60,000.

OFFICES AND GARAGE—4 story and base, brick and steel, \$40,000. Portland, Ore. Architects, Jacobberger & Smith, Board of Trade Bldg., Portland. Owner, Gay Lombard. Contractor, A. C. Meyer, 1084 Albina avenue, Portland. Contract price, \$40,000.

STORES AND OFFICES—1 and 2 story and base, concrete, \$15,000. Seattle, Wash. Architects, Charles Rebb and Carl Gould, Denny Bldg., Seattle. Owners, Puget Mill Co. Contractors, E. J. Rounds Construction Co., Collins Bldg., Seattle. Contract price, \$45,000.

SEATTLE AND WASHINGTON

AUTOMOBILE FACTORY—2, 2 story and base, reinforced, \$125,000. Seattle, Wash. Architect, none. Owner, Ferris Auto Repair Co., 101 Broadway, Seattle. Plans have been prepared for two buildings, a garage and a machine shop, which will be erected in north Seattle. The garage will cover an area of 80 by 127 feet, and will be one story in height. The repair building will cover an area of 60 by 127 feet and will be two-stories in height. Construction will be fireproof. Plans are in the hands of the owner and the work will be done by Day Labor.

SCHOOL—2 story and base, brick, concrete and stone, \$40,000. Fall City, Wash. Architects, Stephen & Stephen, New York Bldg., Seattle. Owner, Fall City. The building will cover an area of 63 by 120 feet, and has been designed to contain eight class rooms, assembly hall and manual training and domestic science departments. Interior will be finished in pine throughout. There will be steam heat, modern school plumbing, vacuum cleaning and program clock. Exterior of the building will be covered with pressed brick trimmed with cut stone. Plans are complete and figures are now being taken. Plans may be secured from the architects.

SCHOOL—3 story and base, brick, \$60,000. Mt. Vernon, Wash. Architects, Stephen & Stephen, New York Bldg., Seattle. Owners, Mt. Vernon School District No. 1. The building will contain sixteen class rooms, and departments for manual training and domestic science. Interior will be finished in pine with maple floors in the class rooms. A central heating system will be installed. There will be program clocks and vacuum cleaning. Exterior of the building will be faced with pressed brick and terra cotta. Plans are complete and figures will be called for at once.

THEATRE AND STORES—1 story and base, Class A construction, \$350,000. Seattle, Wash. Architect, B. Marcus Pretica, Empire Bldg., Seattle. Owner, C. D. Stimpson. The building will be erected at the corner of 5th avenue and Pike street and will cover a ground area of 110 by 120 feet. Construction will be fireproof throughout. The theatre will have a seating capacity of 2,500 people. A \$45,000 organ is included in the work. Exterior of the building will be faced with cement plaster. Plans are nearly complete and figures will be called for shortly.

Contracts Awarded.

APARTMENT HOUSE—3 story and base, brick and concrete, \$40,000. Seattle, Wash. Architect, R. L. Robertson, Orpheum Theatre Bldg., Seattle. Owners, Brown & Cassells. Contractors, John McGrath and E. K. Sheble, Northern Bank Bldg., Seattle. Contract price, \$40,000.

RAILROAD CONSTRUCTION—Cost not stated. Seattle, Wash. Engineer's name not given. Owners, Bellingham & Northern Railway Co. Contractors, Twohy Bros., Railway Bldg., Portland. The contract covers the construction of twelve miles of grade in Northern Washington.

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Ralston Iron Works

Vulcan Iron Wks.
Western Iron Wks

West Coast Wire & Iron Works
Arch. Sheet Metal Works.

S. F. Metal Stamp-
ing & Corr. Co.

U. S. Metal Products Co.
Arch. Terra Cotta.

Calif. Pottery Co.
Carnegie Brick & Pottery Co.

Clark & Sons, N.

A. H. Bergstrom
Grant Fee
Thos. B. Goodwin
Chas. J. U. Koenig

Floor Manager
Geo. A. Maas

General Contractors
(Stockholders)

Ackerman & Son,
O. E.

Amweg, Fred J.
Anderson & Co., W. W.

Beach & Hefferman.
Beck, John E.

Beetham, A. H.
Bergren & Son, Louis G.

Biller, John
Bluxome & Co.

Bosworth, P. H.
Boyd, Kerr & McLean

Brandt & Stevens
Braunton Bros.

Brutcher & Serna
Caine, Thos. W.

Caldwell & Son
Carlson, Elmer

Casty, John
Cobby, J. W.

Cole, P. J.
Collman & Collman Co.

Commery - Peterson Co. (Inc.)
Cox Brothers

Craemer, O. A.
Day's Sons, T. H.

Farquharson, D. B.
Fee, Grant

Ferrolite Co.
Finlayson, M. M.

Flaherty & Ogle
Fletcher, James P.

Foster-Vogt Co.
Garden Co., Frank M.

Ginley, Ed.
Glaze, Robert

Gleeson, James
Gompertz, C. W.

Gutleben Bros.
Halling, B. R.

Hamerton & Son, Wm. C.

Hamilton, Peter
Hansen, C. W.

Healing, George
Healy - Tibbitts

Constr. Co.
Heaphy, J. J.

Heckenroth & Schell
Hennings, Adolf

Hemminga, W. L.
Hemming, W. H.

Hill, J. A.
Holt, O. C.

Johanson, J. Eric
Johnson, Joel

Jones, Fred C.
Klenck, F. J.

Klyce, Harvey A.
Koenig, C. J. U.

Kohn, Alfred
Koenig, L. B. G.

Kress, S. B.
Kuykendall, J. O

Lange & Bergstrom
Lansing, Frank P.

Larsen & Larsen
Linden, William

Lindgren Co.
Lindsay, Chas. M.

Lynch, P. J.
MacMillen, R.S.K.

MacDonald & Kahn
Mager Brothers

Martin, William
Masow & Morrison

McClennahan & Co., T. W.

McLean, Neil

Mitrovich, J. I.

Moore Bldg. Co.

C. P.

Beagle, S. A.
Buckley, Jos.
Collin, Jean
Drake, H. L.
Finnila, M. A.
Gilbertsen, L.
Hogberg & Ludwig
John, F. A.
Koldenstrodt, F.
Mealey & Collins
Reed & White
Tingberg, John
Whitney & Davies

Brick Dealers.

Bay Develop. Co.
Cal. Brick Co.

Cal. Pottery Co.
Carnegie Brick & Pottery Co.

City Supply Co.
Clark & Sons, N.

Diamond Brick Co.
Gladding - McBean Co.

McNear Brick Agency
Steiger Terra Cotta & Pottery Wks

United Materials Co.
Western Develop-
ment Syndicate

Western Lime & Cement Co.

Builders

Instruments.
Keuffel & Esser Co.

Building Journals
Building and Industrial News.

Daily Pacific Builder

Building Materials

Alsen's Portland Cement Co.

Baker & Hamilton
Bay Develop. Co.

Berger Mfg. Co.
Cal. Brick Co.

Cal. Bldg. Material Co.
Cal. Pottery Co., Inc.

City Supply Co.
Carnegie Brick & Company.

Cowell Lime and Cement Co., H.

Diamond Brick Co.
Dwan Co., J. E.

Falls Mfg. Co.
Fuller & Co., W.P.

Gladding - McBean Co.
Gross Co., Felix

Guerin & Co., J. S.
Holloway Exp. Metal Lath Co.

Holmes Distributing Co.
Johns - Manville Co., H. W.

Jorgensen & Co., C.
Kinnear Mfg. Co.

Lennon Co., J. E.
Levy, Robt. S.

Mapes, Sanford N.
Meyer, Adolph

Pac. Bldg. Materials Co.
Pac. Portland Cement Co.

Paraffine Paint Co.
Parrott & Co.

Roman Co., C.
Ryan, George S. F.

Lime Co.
Shannon, M. T.

Simon-Fout Brick Co.
Standard Portland Cement Co.

Steiger Terra Cotta & Pottery Wks
Stoner, O. W.

Waterhouse & Price Co.
Western Asbestos

Magnesia Co.
Western Builders' Supply Co.

Western Development Syndicate.
Western Lime & Cement Co.

Whittier - Coburn Co.
Woods & Hud-

Card File Co.
Architects' Card File Co.

Cement Dealers.

Alsen's Portland Cement Co.

City Supply Co.
Cowell Lime & Cement Co.

Dwan & Co., J. E.
Guerin & Co., J. S.

Lennon Co., J. E.
Lulley & Thurston Co.

Meyer, Adolph
Pacific Portland Cement Co.

Standard Portland Cement Co.
Waterhouse & Price Co.

Western Lime & Cement Co.

Chimneys, Patent

Clawson Co., L. E.
Dresser - McDonnell Co.

Hughes, H. J.

Clay Products.

Cal Brick Co.

Cold Storage Insulation

Van Fleet, M. V.

Concrete Contractors.

American Concrete Co.

Amorsen Co. A & T
Barrett & Hilp

Bluxome & Co.
Camp & Carrillon

Chase, S. A.
Coyle, Jos. A.

Crescent Concrete Co.
Daniel & Schott

Dillon, H.
Edminster Bros.

Foster Co., W.
Gnecco, M. H.

Hansen & Johnson.
Haun, C. C. W.

Hurley, P.
Leonard, J. P.

McCabe & Brown
McClennahan & Co., T. W.

Miller, Louis
Mission Concrete

& Mosaic Wks.
Moroncelli, John

Nolan & Arras
New Era Marble

& Concrete Co.
Nugent, Robinson

Rasmussen, A.
Riboni, Henry

Schlusser, Max
Schmidt & Son, J.

Sundberg, A.
Spargo, John

Thomas & Sands
Westerlund, J. V.

Zimmerman, L. M.
Concrete Machy.

Bacon & Co., E. R.
Road Machy. Co

Lansing Co.
Livermore Co.,

Norman B. Co.,

Contractors' Equipment.

Bacon & Co., E. R.

Blaisdell Mchy. Co.

Compressed Air & Gen. Mchy. Co.

Lansing Co.
Mapes, Sanford N.

Orenstein - Arthur Koppel Co.

Cornice Works.

Amsler Sheet Metal Works

Appman Cornice Works.
Atlas Heating & Ventilating Co.

Capitol Sheet Metal Works

Conlin & Roberts.

Crown Cornice Works

Cronan, Wm.

Elite Sheet Metal Works

Guilfooy Cor. Wks.
Comyns & Nygren

Fordey Cornice Works
G. & M. Sheet Metal Works.

Hibernia Sheet Metal Works
Hughes, H. J.

Ideal Cornice Co.
Korell & Co., J. A.

Modern Sheet Metal Works
Morrison & Co.

U. S. Metal Products Co.
Western Furnace & Cornice Co.

S. F. Metal Stamp & Carr. Co.

Crude Oil Burners

Bill & Jacobsen
Fess System Co.

Johnson Co., S. T.

Crushed Rock.

Bay Devel. Co.
Cal. Building Material Co.

Cassarretto, John
City Supply Co.

McMullin, A. L.
Simon-Fout Brick Co.

Star Contracting Company.
Standard Crushed Rock Co.

Stone Co., E. B. & A. L.

Western Development Syndicate

Damp Proofing.

Brickley, P. J.
Coyle, Jos. A.

Fox, John L.
Keene Co., R. E. G.

Relgie & Jamelson
Taylor, L. A.

Whittier - Coburn Company.

Door Opener and Closer.

Rischmuller, Geo.

Electric Fixtures.

City Electric Co.
Gas & Elec. App. Co.

Pac. Gas & Elec. Company.

Electric Wiring & Equipment.

American Elec. Eng. Co.

Central Elec. Co.
Decker Electrical

Construction Co.
Farnsworth Electrical Works.

General Electric Constr. Co.

Globe Electric Works
Hicks & Folte

Kirsten, W. H.
Lauder, H. I.

Manhattan Electric Co.
National Electric Co.

Newberry - Bendheim Elec. Co.

Peters, Gus. J.
Rex Electric Construction Co.

Ridley, A. E. B.
Rochdale Elec. Co

Schmetschek, M.
Turner Co., The

Vitt Elec. Co.
Weidenthal - Gosliner Elec. Co.

Weid Elec. Co.

Elevator Builders.

Otis Elevator Co.
S. F. Elevator Co.

Van Emon Elevator Co.

Estimator.

Dillon, H.

- Morser, E. J.
Peterson, P. O.
Priddle, Arthur
Walker, J. M.
Church
- Floors, Composition.**
Artolth Mfg. Co.
Bender R.&P. Co.
J. W.
Dwan Co., J. E.
Fibrestone &
Roofing Co.
Flaherty R. & P.
Co., R. H.
Malott & Peterson
- Floors, Hardwood**
Hardwood Int. Co.
Inlaid Floor Co.
Pac. Floor Sand-
ing Co.
- Galvanized Iron.**
Baker & Hamil-
ton
Berger Mfg. Co.
Gas Fixture.
Day Co., Thomas
- Gas Heating Sys-
tems.**
Reactor System
Gas Heating Co
- Gasoline Tanks &
Pumps.**
Brown, F. R.
Blaisdell Mch'y. Co.
- Glass & Glazing.**
Cal. Plate & Win-
dow Glass Co.
Friedman Bros.
Fuller Co., W. P.
Grosslicht & Din-
niene
Habenicht &
Howlett
Mission Plate &
Window Glass
Co.
Pioneer Plate &
Window Glass
Co.
Schwarz & Gott-
lieb
- Grading.**
Branick, J. P.
Carlin Bros.
Cassaretto, John
Devincenzi & Co.,
L.
Dillon Teaming
Co.
Federal Transfer
Co.
Giorgi Co., G.
Hartnett J. D.
Harbor View
Contract Co.
Hule Co., E. M.
Lennon Co., J. E.
Lettier, Fred
McGlinchey &
Monahan
Montague Co., P.
O'Day Co., Dan'l
O'Donnell, Philip
Powers, Chas. J.
Bibley Grading &
Teaming Co.
Star Con. Co.
Wright Co., J. H.
- Granite Curbing.**
Graham Granite
Co.
Lead Granite Co.,
W.
Pacific Granite Co.
Tronoff, John
- Gravel.**
Bay Devel. Co.
Cal. Building Ma-
terial Co.
Cassaretto, John
City Supply Co.
Standard Crushed
Rock Co.
Star Contracting
Company.
Stone Co., E. H. &
A. L.
- Hardwood Deal-
ers.**
Inlaid Floor Co.
Hardwood Inter-
ior Co.
Union Floor Co.
- Wood Lumber Co.,
E. K.
Hd'ware, Dealers.
Baker & Hamil-
ton
Bennett Bros.
Kruess, J. H.
Joost Bros.
Meyer, Adolph
Norman & Sons,
F. G.
Palace Hd'ware Co.
S. F. Hd'ware Co.
Smith Co., P. A.
- Heating & Venti-
lating.**
Atlas Heating &
Ventilating Co.
Klerman & O'Brien
Hurley Co., J. C.
Lawson, Herman
Looney Co., J.
Mangrum & Otter
Snook & Co.,
Fred W.
Torrid Zone Fur-
nace Co.
Turner Co., The
Wilson, Robt. M.
- House Movers &
Raiders.**
Hatch, H. L.
Pearson, N. H.
Sullivan, D. J. & T.
- Hoisting Engi-
neer.**
Le Clair, S. D.
- Inlaid Floors.**
Hardwood Inter-
ior Co.
Inlaid Floor Co.
Pac. Floor Sand-
ing Co.
- Interlocking Tile
Blocks.**
California Deni-
son Block Co.
- Iron Foundry.**
Steiger & Kerr,
Stove & Found-
ry Co.
Baker & Hamil-
ton
Dawson & Noyes
Judson Mfg. Co.
Pacific Coast Steel
Company.
Trussed Concrete
Steel Company.
Woods & Huddart
- Iron Works.**
Dryer Iron Wks.
Dyer Bros.
Eureka Wire &
Iron Wks.
Golden Gate Iron
Works
Hillard Co., C. J.
Kell Iron Works
Michel & Pfeffer
Monarch Iron
Works
Pacific Iron Wks.
Pacific Structural
Iron Works.
Ralston Iron
Works
S. F. Iron Works
Sartorius Co.
Schraeder's Iron
Works
Steiger & Kerr
Stove & Found-
ry Co.
Vulcan Iron Wks.
West Coast Wire
& Iron Works
Western Iron
Works
- Joist Hangers &
Post Caps.**
Falls Mfg. Co.
Pac. Bldg. Mate-
rials Co.
Roman Co., C.
Waterhouse &
Price Co.
Western Bldrs.
Supply Co.
- Lathers, Wood &
Metal.**
Balzke, Robt.
Edwards, C. H.
Hayden, Fred
Kaiser, Jos.
McAbee, E. T.
Raymond, Wm. H.
Snell, Ralph L.
- Lighting Fixtures**
Day Co., Thomas
Mohillite Co.
- Lime & Plaster
Dealers.**
Arden Plaster Co.
Cal. Lime & Hy-
drate Co.
Cowell Lime &
Cement Co.
Guerlin & Co., J. S.
Lennon Co., J. E.
Pacific Portland
Cement Co.
Western Lime &
Cement Co.
- Lumber Dealers.**
Acme Lumber Co.
Christenson Lum-
ber Co.
Columbia Lumber
Co.
Doe Co., Frank P.
Excelsior Red-
wood Co.
Hardy Lumber Co.
Hart-Wood Lum-
ber Co.
Hauptman Lum-
ber Co.
Kruess, J. H.
Hooper Lumber Co.
Higgins Lumber
Co., J. E.
Loop Lumber Co.
MacDonald Lum-
ber Co.
Moore Mill and
Lumber Co.
Oakley, — Mahony
Lumber Co.
Peterson, E. T.
Pope & Talbot
Reinhart Mill &
Lumber Co.
Ryan, George
Santa Clara Val-
ley Mill & Lum-
ber Co.
Santa Fe Lumber
Co.
S. F. Lumber Co.
Schouten & Co., J.
W.
Sunset Lumber Co.
Tlerman & Beronie
Van Arsdale-Har-
ris Lumber Co.
Wilson Bros. & Co.
Wood Lumber Co.,
E. K.
Wright, Jr., Wm.
- Magnesite Floor-
ing.**
Artolth Mfg. Co.
Bender R.&P. Co.
Dwan & Co., J. E.
Fibrestone &
Roofing Co.
Flaherty R.&P. Co.
H.
Goodmansson, A. K.
Malott & Peter-
son
Watsonite Co.
- Mantels, Tiles &
Grates.**
General Building
Work Co.
Ginsberg Bros.
Mangrum & Otter
Peerless Agencies
Co.
- Marble and Mosaic
Work.**
General Building
Work Co.
Gnecco, M. H.
Grassi & Co., P.
Mission Concrete
& Mosaic Wks.
Mission Marble
Works.
Musto Sons-Keen-
nan Co.
New Era Marble
& Concrete Co.
Teltz, Francis E.
Tomagnini & Co.,
G.
Vermont Marble
Co.
- Metal Lath.**
Atlantic Fire-
proofing Co.
Berger Mfg. Co.
Holloway Metal
Lath Company.
- Waterhouse &
Price
Western Builders'
Supply Co.
- Metal Stamping**
S. F. Metal Stamp-
ing & Corr. Co.
U. S. Metal Prod-
ucts Co.
- Notary Public.**
Duncan, A. M.
- Oils and Greases.**
Standard Oil Co.
Union Oil Co.
- Ornamental Plas-
tering.**
Benkman, Ed. G
- Blinner, Theodore**
Larson, O. F.
Lipp & Co., J. F
- Painters and Dec-
orators.**
Baker Co., W. T.
Bell, Wm. J.
Bernstein, Wm.
Blum, Louis
Brown, J. L.
Burns Bros.
Clark & Dickson
Cramer Bros.
Conlin, J. J.
Copnick, T. W.
Dahl, T. H.
Dolan, V. J.
Hansen, Elbing A.
Johnson, C.
Kissel, Isidor
Miller, L.
Miller, J. A.
McCubbin, James
Manning, John
Neal, L. J.
Progressive
Painting Co.
Quandt & Son
Ruderman, I.
Simon Neilson Co.
Smith, J. S.
Sovig, C. B.
Trost, C. R.
Walk, Mayer
Wagner, Fred
Wagner Bros.
Zelinsky, R.
- Paints, Oils Varn-
ishes, Etc.**
Clark & Dickson
Cohn & Co., Mar-
ion D.
Fuller Co., W. P.
O'Brien, J. S.
Paint Products
Corporation
Paraffine Paint Co.
Pratt & Lambert
Whittier - Coburn
Co.
- Patent Chimneys.**
Clawson Co., L. E.
Dresser - McDon-
Hughes, H. J.
- Pile Driving.**
Lamburth, C. E.
- Paving Brick.**
Cal Brick Co.
- Planing Mills.**
Acme Plgn. Mill
Anderson Bros.
Atlas Planing
Mill Co.
Builders' Supply
Depot
Cal. Door Co.
Cal. Planing Mill.
Emanuel, L. & E.
(Inc.)
Empire Planing
Mill
Hart & Burmeis-
ter
Hermann, A.
Herring's Mill
Holden - Deuprey
Co.
Lorden Mill Co.,
J. P.
Main St. Planing
Premus Planing
Mill
Reinhart Lumber
& Planing Mill
Ryan, George
- San Mateo Plan-
ing Mill
Santa Clara Val-
ley Mill & Lum-
ber Co.
Spencer St. Plan-
ing Mill
Taylor & Co.
Western Planing
Mill
Veyhle & Collins
- Plasterers.**
Bosch, Herman
Bradley & O'Reilly
Brennan, James
Campbell, Chas.
Campbell & Will-
iam
Connel Co., J. E.
Daly, J. H.
Duthie, Chas.
Gilmour, W. G.
Jones, Francis
Kaiser, Jos.
Leaf, Al.
MacGruber & Co.
Mellon, Thos.
Modica, S.
Mowat Donald
Philbin, J. J.
Sexton, T. D.
Terranova Bros.
Wagner, James A.
- Plumbing and Gas
Fitting.**
Band, S. W.
Bernard, Geo. F.
Dunn, Neil H.
Goss, Wm. P.
Grundey, Ed.
Houston, J. J.
Kara, F. E.
Klerman & O'Brien
Lacey, E. V.
Lawson, Herman
Lettich, Antone
Lettich, J. M.
Looney Co., J.
May, Gus
McLeod, J. J.
Penkerton, J. H.
Skelly, Thomas
Snook & Co.,
Fred W.
Turner Co., The
Wetzel, Theo.
Wilson & Co., W.
- Plumbers Supplies**
Kinney Co., R. W.
Mark-Lally Co.
Mueller Mfg. Co.,
H.
Nelson Mfg. Co.
Pac. Sanitary Mfg
Co.
Paragon Brass
Mfg. Co.
- Radiators.**
American Radia-
tor Co.
- Railway Materials**
Orenstein - Ar-
thur Koppel Co.
- Rigging.**
Lamburth, C. E.
- Roofing, Gravel &
Composition.)**
Bender Roofing &
Paving Co.
Cantley & Co., J.
Enterprise Roof-
ing Co.
Flaherty, R. H.
Keene Co., R. E. G.
Lawson Roofing
Co.
Lewis, W. S.
Malott & Peterson
Raphel Roofing
Co.
Samuel Co., H. D.
Watsonite Co.
Western Asbestos
Magnesia Co.
Western Felt and
Refining Co.
- Roofing (Slate &
Tile.)**
Graham, R. G.
Klatt, R. J.
White, Ed. A.
Fibrestone &
Roofing Co.
- Roofing Materials.**
Johns - Manville
Co., H. W.
Paraffine Paint Co.
Waterhouse &
Price
Western Asbestos
Magnesia Co.
Western Builders'
Supply Co.
Whittier - Coburn
Co.
- Sand, Gravel, Etc.**
Bay Devel. Co.
Cal. Building Ma-
terial Co.
McMullin Bros.
Stone Co., E. B. &
A. L.
Western Develop-
ment Syndicate.
- Sanitary Garbage
Chutes.**
Bill & Jacobsen
- Sand Blasting.**
McDermott, W.
- Sheet Metal Wks.**
Amsler Sheet
Metal Works
Appman Cornice
Works
Atlas Heating &
Ventilating Wks
Capitol Sheet
Metal Works
Comyns & Nygren
Cronan, Wm.
Crown Cornice
Works
Elite Sheet Metal
Works
Forderer Cornice
Works
G. & M. Sheet
Metal Works
Guilfooy Cornice
Hibernia Sheet
Metal Works
Hughes, H. J.
Ideal Cornice Wks
Korell & Co., J. A.
Modern Sheet Met-
al Works
Morrison & Co.
S. F. Metal Stamp-
ing & Corr. Co.
U. S. Metal Prod-
ucts Co.
Western Furnace
& Cornice Co.
- Sidewalk Lights.**
Jackson Co., P. H.
Dwan & Co., J. E.
Phoenix Sidewalk
Light Co.
- Stair Builders.**
Blash & Peralino
Boiler, John
Jacobsen, J.
Porter, W. F.
Stewart, J. K
- Stationary.**
Foster & Short
Wright, J. H.
- Steel Bars.**
Baker & Hamil-
ton
Dawson & Noyes
Woods & Hud-
dard.
- Pacific Coast
Steel Co.**
Soule Co.
- Steel Erector.**
Scheuer, Fred C.
Pioneer Con. Co.
Williams Con-
struction Co.
- Store Fronts**
Kawneer Mfg. Co.
U. S. Metal Prod-
ucts Co.
- Structural Steel
Contractors.**
Central Iron Wks
Dyer Bros.
Judson Mfg. Co.
Pacific Structural
Iron Works
Pac. Rolling Mills
Schraeder's Iron
Works
S. F. Iron Works
Western Iron Sup-
ply Co.
- Stoves.**
Mangrum & Otter
Steiger & Kerr

Structural Steel Contractors.

Brode Iron Wks.
Dwer Bros.
Golden Gate Iron Works
San Francisco Iron Works
Ralston Iron Wks
Vulcan Iron Wks.

Surveyors.

Morser, E. J.
Quimby, L. S.
Wetherell, Chas E

Teaming & Grading.

Branick, J. P.
Blanchini, G.

Federal Transfer & Draying Co.

Carlin Bros.
Devencenzi & Co., L.
Dillon Teaming Co.

Federal Transfer & Draying Co.

Harbor View Contract Co.
Huie Co., E. M.
Lennon Co., J. E.
Lefler, Fred

McGlinchey & Monohan
Montague Co., P.
O'Day Co., D.
Powers, Chas. J.

Sibley Teaming & Grading Co.

Star Contracting Co.
Wright Co., J. H.

Tiling.

Cal. Tile Contr. Co.
Ginsberg & Co., S.
Mangrum & Otter
Peerless Agencies Co.

Vacuum

Bill & Jacobson
Hughson & Merton Co.
Schaefer Bros.
Stevens Co., Frank A.

Hyde Henry C. United Elec. Co.

Wall Beds.
Marshall - Stearns Co.

Water Company.

Spring Valley Water Works.
Whitewashing
Brickley, P. J.
Reigle & Jameison
Taylor, L. A.

Waterproofing

Coyle, Jos. A.
Window Cleaning.
American Window Cleaning Co.

Windows. Patent.
Simplex Window Co.

Central Electric Co.

City Electric Co.
De Lew, M. A.
Decker Electric Co.
Globe Elec. Co.
Levy Elec. Co.

Elevators.

Otis Elevator Co.
Van Emon Elevator Co.

Fibre.

S. F. Fibre & Cordage Co.
Fireproof Doors.
Norris, L. A.

U. S. Metal Products Co.

Floor Sanding
Hardwood Interior Co.

Inlaid Floor Co.
Pacific Floor Sanding Co.

Grill Work.

Cal. Art Metal & Wire Works.
Merle Co., A.
Sartorius Co.

Withington, C. W. Gen. Contractors.

Andrus, R. C.
Brigham, H. B.
Brochague, Foley & Green

Caldwell & Co.
Cereghino & Son, Louis

Currie & Currie
Demphak Bros.
Farouharson, D. B.

Fluth, J.
Frasier & Frasier
Graham, D. E.

Griffith, Wm.
Hannah, J. D.
Hannah & Co. J. S.

Hayes, W. W.
Jackson, A.
Kuykendall, J. O.

Malley, Edward.
Matthies, Henry
Mulcahy, James

Peacock, John
Schnebly, Host-
trawser & Ped-
griff

Glass and Glazing

Cal. Plate & Window Glass Co.
Cohen, I.
Cobbledick-Kibby

Glass Co.
Friedman Bros.
Fuller, W. F. & Co.

Habenicht & Howlett
Holland, J. P.
Schwarz & Gott-
lieb (Inc.)

Grading & Teaming.

Dillon, D.
Eureka Teaming Co.

Fay, S. J.
McClure, H. N.
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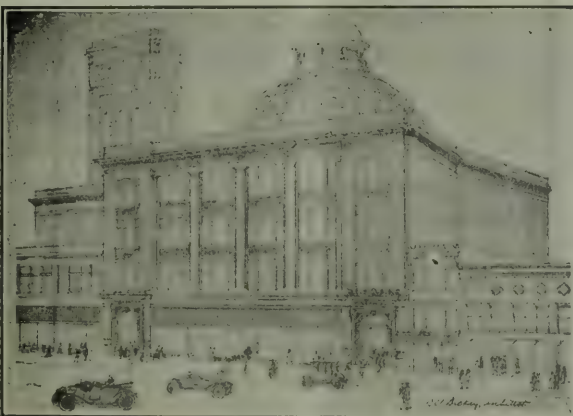
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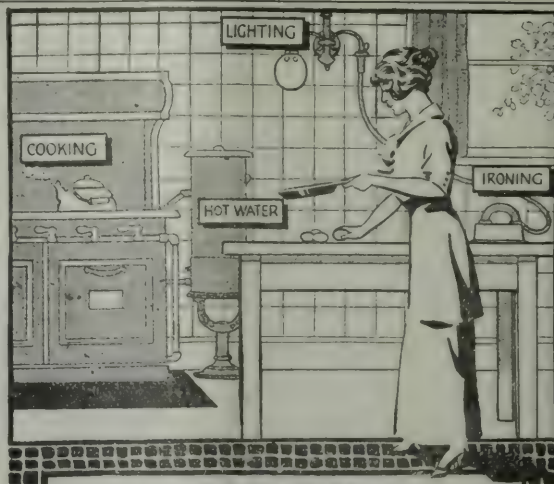
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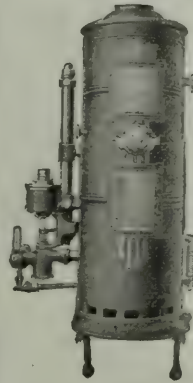
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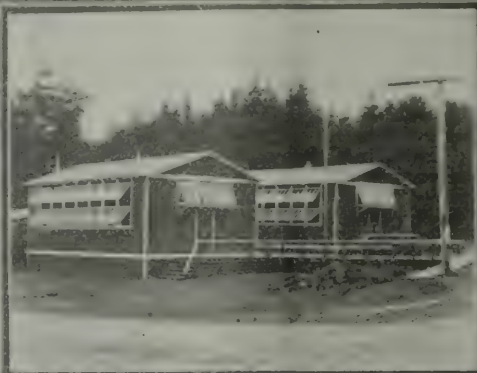
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Fifteenth Year, No 17



Devoted to the Architectural, Engineering, Building and Industrial Activities of the Pacific Coast.

Circulates among the leading Architects, Engineers, Surveyors and Contractors and Municipal Authorities on the Pacific Coast.

Entered as second-class matter at San Francisco Post Office under act of Congress of March 3, 1879.

ISSUED EVERY WEDNESDAY

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Publisher and Proprietor.
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Advertising Rates on application. If enquirers will send copy of matter and state space required, close figures will be given.

Subscription Rates—One Year, \$3.00; Two Years, \$5.00; Five Years, \$10.00, payable strictly in advance. Single copies, 15c.

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Editorial Comment.

The proposal to purchase Spring Valley properties has been defeated, the people failing to give the requisite two-thirds majority in favor of the bond issue. In the main it was an honest difference of opinion among the citizens and it is now up to us to formulate some other plan by which we may secure an adequate supply of water. So far as we are personally concerned we believed that to purchase the property was the best solution of the problem. We believed that the people who had investigated the subject could be relied on as well as any we are likely to get and the information compiled by them is likely to be used as a basis for all future transactions.

Not the least of the reasons in favor of the purchase was that the Spring Valley Company has always been a dog in the manger so far as the progress of the city is concerned. It will not extend its pipes to provide adequate service and it claims to have developed its supply to its fullest extent. Everything it does must be forced upon it by court procedure and we never get anywhere. There is always the taint of scandal attached to it and it is a miracle if a public officer gets through his term without having something imputed to him with reference to the water company. It was this bad reputation that defeated the proposed purchase. For most people who voted against it did so, not because they were against municipal ownership, but because they believed that there was a nigger in the woodpile somewhere and that the price was too high. It now remains to be seen whether or not we will ever get it any cheaper or what alternative plan will be adopted.

The proposition to bring Hetch Hetchy here and supplant the Spring Valley all at once is more or less moonshine. Our right to those waters depends upon necessity and use. We will not be allowed to divert water that could be used by the irrigationists of the San Joaquin and turn the water collected on the watersheds around the bay into the ocean. So that we have a long hard road yet to get the Hetch-Hetchy supply.

There has been a fight of about twenty years duration already to secure an adequate water supply. We do not seem to be much nearer the solution now than when we started. There is always the big ambition of the different politicians to get the credit for doing these things themselves and unless the scheme originates with them they throw every impedi-

ment in the way of its consummation. After all, it is a pretty tough problem that the City Engineer is confronted with for in such cases he is usually damned if he does and damned if he don't. In the meantime how are we going to get sufficient water?

A bill has been introduced into the legislature making it a crime to prohibit a boy from learning any trade or profession or in any manner limiting the number of apprentices in any trade or calling. Whether or not this is the best way to establish the right of any boy to learn any trade or occupation he may desire is perhaps debatable but there is no question that in some trades there are unions that arbitrarily limit the number of apprentices until it is practically impossible for a boy to enter them unless his ancestors belonged to the craft. Undoubtedly there should be some sort of regulation in the matter. Perhaps the vocational school will help solve the question. But in many trades there is now practically a closed corporation wherein the apprenticeship is limited to a very few and the number is determined by the union itself. If this should continue to all the trades there would be an aristocracy formed which would ultimately result in a caste system that would make a man's right to earn a living in a particular trade depend upon his ancestors.

William R. Nelson, editor and owner of the Kansas City Star, died on April 13th, and throughout the entire country there has been expressed the highest tributes as to the character and achievements of the man. He has given an ocular demonstration of what a great newspaper can do. In a time when the average newspaper is devoted to sensationalism he has held to the even tenor of his way and has shown that a paper that stands for right principles under any and all circumstances can not only succeed but that it is the best paying policy in the end. Contrasted with the newspapers of San Francisco, for instance, the Kansas City Star is a splendid example of what a newspaper should be as compared with the personal organs that are rated as the great newspapers of San Francisco. It shows that business will come to the person who can deliver the goods and that the yellow sheet is to the newspaper world what the shoddy merchant is to the business community. True the circulation of the "Star" is among the rural communities of the middle west. But the average intelligence of any community is sufficient to appreciate the quality of service that such a journal gives them and it is fair to assume that it would have succeeded in any community.

The Efficiency of the Public School---A Municipal Problem.

By Wallace Hatch, Expert on "Community School," Extension Division, University of California.

The "Efficiency" campaign has penetrated nearly all departments of the public service, causing some reform in some and anxious moments in others. It may have had serious thoughts concerning the most extensive and expensive department known as the public school, but if so, one glance seemed to have chilled its ardor and postponed the inevitable day of reckoning. It is generally recognized that something is wrong with the public school, that somehow, somewhere, it fails to function with the world in which it is located, but just where the failure is, or just how extensive it is, few of our "efficiency experts" have been able to determine even approximately.

The normal child starts its educational process at six years or thereabouts. The elementary work has been divided into about eight sections or grades and each grade into two classes. The average child—which our friend Burke of the San Francisco Normal School claims does not exist—is expected to complete a half-grade every year and the eight grades at the age of fourteen. The first test of efficiency, therefore, may well be the age and grade test, which immediately shows an astonishing number of average pupils. This test in itself would be of significance and would afford a fairly reliable though general basis for determining the efficiency of school work if our extreme independence, especially on educational affairs, did not upset every attempt at standardization. We already have so-called "uniform" courses of study and "requirements" for admission to high school and university, but the comparatively insignificant number of pupils passing to the high school and the still smaller number to the university render these standards of little value to the large majority of our boys and girls. It is explained by some ardent educators that the grammar school principals and teachers may be trusted to maintain existing standards and promote and graduate only on the basis of definite achievement, but this argument is faulty in two respects; it fails to take account of human frailties and it presupposes fixed standards which do not exist.

Stripped of sentiment and considered only from economic motives—which we must admit are exceedingly pronounced in the minds of many of our parents—child-training represents an investment. At six years of age training for future activity is transferred from the home to the public school. It is said that some parents care only to apprentice the children to industry at the earliest legal age, but it is certainly true that nearly all, if not all, such parents desire that the child should be equipped with the best preparation which the public school can provide. All people are taxpayers directly or indirectly and all desire

that the school which represents the greatest public burden should pay dividends in results. Parents are particularly interested, for not only do they pay taxes, but they have invested heavily in their children's education for future responsibilities and naturally desire best results in the shortest possible time. The farmer who can gather two crops where one was formerly grown increases the value of his investment. The school system which doubles the educational resources of pupils previous to the legal limit pays greater dividends to the community and parents and encourages continued study, which tends to raise the standards of all of the people.

Thousands of problems confront our educators in their endeavors to secure better results, but there are certain lines of effort which it seems to me receive far too little attention from both educators and the people in general.

First, the school should be made more interesting to pupils. Few of us care to approach our problems blindly, and our interest increases as we are enabled to see in advance the various steps and the relation our efforts bear to some larger community or world problems. Altogether too many of our boys and girls study fourth-grade spelling and fifth-grade arithmetic for its own sake and with absolutely no incentive to relate it either to their play on the one hand or to its future effect upon interesting problems on the other. It is entirely possible to develop a perspective in the mind of every school pupil and such perspective will carry with it a discipline and interest which will easily double the value for every lesson.

Second, the school should capitalize for its own advantage the educational possibilities of the home. The little bookworm of ten, twelve or fourteen years of age, seriously marching from the schoolroom to his "study" at home with his so-called "home lessons," the thought of which ruin his afternoon of fun and fill his evening with anxiety and nervousness and his nights with sleepless torture, is coming into his rights in the progressive schools which have retired the home lesson to its place as a past number. The home can seldom be made a successful study place, and attempts to convert it to such use generally end in failure, destroy pleasure and create a distaste for place as a past number. The home on the other hand, may supplement the school in all of its efforts, provided the incentive for home co-operation is not destroyed through home lessons which represent blind second-hand attempts at education far removed from the every day thoughts and methods of parents. Nearly every father and mother, my experience proves, is ready to co-operate with the school, but they must be reached by methods they understand and not by means of the

excited appeals of nervous children struggling during the night hours on abstract problems far removed in theory and practice from the problems of the world. When the school has made clear to the children the step which must be taken to gain an education and has secured continued interest it readily discovers the advantages of extending this interest and enthusiasm to parents, who may then be depended upon to drive home by practical examples and experiences the lessons taught in the school room. The teachers who understand parents through school or home visits are enabled not merely to secure greater sympathy from pupils and parents, but to improve many unfortunate physical and social conditions which hinder educational advancement.

Third, the school should ally itself more closely than it has in the past with industrial and social affairs. The majority of school children are being prepared for industry and to live in society, yet the average school reflects but weakly the ideals and methods of industrial establishments and fails utterly to interpret social developments. One of our Middle Western universities has recently caused a sensation by teaching engineering through requiring one-half of the entire instructional period to be spent in shops or on engineering enterprises, and a school system which has recently gained fame as well as many condemnations has become a sociological clearing-house which is rapidly Americanizing and un-American community. Such experiences show the trend and point the way for future intelligent efforts, but their good lessons are but slowly learned. Every effort of our school teachers to adapt their courses to present day industrial requirements and better interpret to pupils the significance of social phenomena is encouraged by business men and those engaged in public or social service. It is unfortunate that this fact cannot be better understood by our educational people, as its acceptance tends to increase materially both the scope and efficiency of education.

Fourth, the school should give increased attention to problems of hygiene, sanitation and public health. There are no public health agencies worthy of the name in most of our small communities. We have elaborate methods for dealing with epidemics when they occur, but thousands of our children study in ruinous light, bad air, volumes of chalk dust, back-breaking seats and other conditions in the school room which render effective present work and future success well nigh impossible. The physical conditions of many of these children, especially the condition of their teeth, throat, eyes, and ears, often cause wonder to physicians who make careful studies of school hygiene. No one desires that the school should re-

place the home or even the family doctor, but it is a waste of public funds and a serious menace and expense to continue conditions which are certain to breed ill-health and future inefficiency. The school may encourage health as well as educational standards teach hygiene and sanitation as regular class room studies, detect physical and mental defects and insist upon their corrections as a condition of school attendance, educate concerning food values and products, cloth and clothing, state and municipal health powers and activities, prevention of accidents or sickness, child hygiene, milk sanitation, sanitation of public buildings, housing conditions, etc., and by doing this it will not only impart valuable information, but increase the pupil's interest in real problems and re-enforce many of the lessons now receiving only nominal consideration.

Fifth, the school should extend its advantages of education and social service to all members of the community. It is supported by taxation, it represents the people's greatest expense of government, it can serve appropriately as an educator for both young and old and as a laboratory for studying municipal and industrial needs; it can pay big dividends in public use for public purposes. At present the average school plant is used five hours a day five days a week and forty weeks in the year. In certain communities it is being used every day and evening practically throughout the year. As the educator, social clearing-house, promotor of industrial training and public recreational and health center it can serve every person in the community. In so far as it fails to serve the community in these directions the people are poorer and the expenditure for school purposes represents an excessive burden.

The efficiency campaign if extended to the public school will mean briefly the standardization of school work so that pupils may receive the greatest encouragement to continue, not by "lock step," but subject as subject, as carefully standardized work closely in accord with public ideals and methods makes possible. It will mean broader and more practical education, encouragement to continued study for boys and girls who must leave school at the legal age, education which prepares for life and life's work whether the work be in professional office, shop, store or home, school work encouraged and aided by every educational potentiality in the community, training of body no less than mind, prevention of conditions which lead inevitably to sickness and inefficiency and industrial efficiency without the waste of years on account of misdirected activity or for adaptation to accepted task, understanding of social problems which may lead to abatement of conditions known to cause individual and social degeneracy, and the solution of community problems through community discussion, education and action.

From Pacific Municipalities.

STRAITS SETTLEMENTS.

[Vice Consul General Casper L. Dreier, Singapore, Jan. 6.]

Extension to Raffles Library and Museum.

There is being started a two-story \$40,000 addition to the Raffles Library and Museum, which has been needed for quite some time on account of the growth of this institution. The ground floor of the extension provides a general reading room 43 by 36 feet; a newspaper filing room 43 by 36 feet; entrance lobby and staircase, 36 by 32 feet, with a porte-cochere 32 by 24 feet; second floor, two new library rooms, 43 by 32 feet, and one 41 by 32 feet; also librarian's room over the porte-cochere 32 by 24 feet.

Rochore Canal Improvements.

An important improvement in the city of Singapore now in progress is that of the Rochore Canal, which has been an unsightly stream. It will cost \$120,000, and consists principally of confining the watercourse between revetment walls 60 feet apart at coping level and of dredging the bed 10 feet below high-water level.

The walls are of concrete, slightly reinforced with expanded metal. Sheet piling is placed at the toe of each wall, at its center and at the back. A good foundation is further secured by solidifying the grounds below the walls with sand and hand-packed coral pitching placed in the excavated trenches. The toe of the walling is supported on a double mattress of bacau rollers, and it provides for a possible deepening of the canal in future. The walls are externally of a continuous stepped formation, which will facilitate loading and unloading tongkangs at all stages of the tide.

Purchase of Singapore Railway—Bridge Across Straits of Johore.

The outstanding feature of the year 1913 was the purchase of the Singapore Railway from the Colonial Government, which enabled the management to proceed with a scheme for reconstructing Tank Road Station and doubling the line to Bukit Timah, thus providing a station more in keeping with the importance of Singapore as the southern terminus and sufficient siding and freight accommodation to keep pace with the rapidly increasing traffic.

Borings for the proposed bridge across the Straits of Johore were taken during the year, and preliminary plans of the bridge structure are being prepared by the consulting engineers. It is important that this work should not be delayed, otherwise the railway traffic will overtake the limits of capacity of the wagon ferries. This proposed structure has been receiving attention for the past two years, and at least one set of plans has been submitted to the Crown agents, but nothing as yet is definitely decided upon and it is likely that the matter will meet with further delay. The Ports of Penang and Swettenham.

The purchase of the Prai dock and wharves at Penang from the Colonial Government has been completed. This gives the railway a much better opportunity to improve the freight-handling facilities at this port.

A comprehensive scheme for new wharves has been prepared. With the opening of the line via Alor Star to

Bangkok a large development of business between Penang and Bangkok must result, and large expenditures will be necessary at Prai during the next three or four years for facilities to handle this traffic.

In the estimates for 1913, \$488,278 was set aside for capital expenditure on trade facilities for the port of Swettenham and for the following year more than \$750,000 was similarly appropriated. It is confidently felt that, with the completion of the new wharves, the erection of the new station, and the delivery of the additional rolling stock, the port will be equipped for all current requirements.

Swettenham is the principal port of entry to the Federated Malay States territory and is between Penang and Singapore. The railway connection is a direct line to Kuala Lumpur, the capital of the Federated Malay States. This line traverses a section where some of the oldest and most productive rubber estates are to be found, and is an important line. The Port Swettenham station showed the second largest increase in freight tonnage on the entire road, the increase for 1913 over 1912 being 31,815 tons. The total tonnage handled at this port for 1913 was 304,647 tons.

THE STAINLESS STEEL DISCOVERY.

[Consul John M. Savage, Sheffield, England, Feb. 16.]

In Commerce Reports for January 29, 1915, was published an account of "Firth's Stainless Steel," introduced by Thomas Firth & Sons (Ltd.), of Sheffield. Since the publication of the report numerous inquiries have reached this consulate regarding the article and where samples, etc., can be obtained.

The firm mentioned is interested in the Firth Sterling Steel Co., of McKeesport, Pa., and informs me that arrangements have been made with its American branch to manufacture the article there, where samples and all information can be obtained.

NOTES FROM PERU.

Callao, Jan. 30.]

Failure of Construction Contract—Proposed Government Loan.

The American building contractors who recently visited Peru to secure contracts for construction work in Lima have notified the President of the Republic that they will not undertake the work because the conditions proposed were not mutually satisfactory.

On January 27 the Chamber of Deputies passed a measure authorizing the President to contract a loan, either in or out of the country, for \$1,700,000, with interest at 6 to 8 per cent. This measure has not yet been voted on by the Senate.

IMPORTATION OF EUROPEAN PINE PROHIBITED.

No European pine trees will be permitted to be imported into the United States after July 1, a quarantine order to this effect having been signed by the Secretary of Agriculture. This action has been taken to save American pine trees from the pine-shoot moth which has long done much damage in European forests.

ADVANCE NEWS

Classified according to Character of Work

APARTMENT HOUSES

BERKELEY, ALAMEDA CO., CAL.—Apartment house, 3 story and base, frame and brick, \$40,000. Architects, Rousseau & Rousseau, 110 Sutter street, S. F. Owners, Rivers Brothers. The building will be erected at the southeast corner of Ashby and College avenue and has been designed for stores on the first floor, of which there will be seven, besides the entrance to the apartments above. Upper two floors will be arranged for a number of two and three room apartments. All apartments will have wall beds and private bath rooms. Interior finish will be of pine and redwood. Hardwood floors will be used in the living and dining rooms. Plans provide for steam heat and hot water system, vacuum cleaning and high-grade plumbing. Bath rooms will be finished in tile. Exterior of the building will be covered with cement plaster on metal lath and pressed brick veneer. Plans are complete and figures are now being taken.

PORTLAND, ORE. — Apartment house, 4 story and base, brick, \$40,000. Architects Jacobberger & Smith, Board of Trade Bldg., Portland. Owner E. A. McGrath, 461 Hassalo street, Portland. The building will be erected at the corner of Park and Taylor streets, covering an area of 50 by 100 feet. The apartments will consist of two, three and four rooms, all with wall beds and private baths. Interior finish will be of pine and some elm panels. Hardwood floors will be used in the living and dining rooms. Plans provide for steam heat, a hot water system, automatic elevators, dumb waiters and vacuum cleaning. Bath rooms will be finished in tile. Exterior of the dwelling will be faced with pressed brick. Plans are complete and in the hands of the owner who will do the work by ay Labor. Materials are now being purchased.

SAN FRANCISCO—Apartment house, 4 story and base, brick and steel, \$32,000. Architect W. F. Gunnison, Nevada Bank Bldg., S. F. Owner's name withheld. The building will be erected on Sutter street near Hyde, covering an area of 55 by 120 feet. The interior has been arranged for fourteen apartments of three and four rooms each with private baths. Interior finish will be of pine and hardwood. Hardwood floors will be used in the living room and dining room. Plans provide for steam heat and automatic elevator, hot water supply and vacuum cleaning. Bath rooms will be finished in tile with composition floors. Marble and tile wainscot will be used in the entrance. The lobby will be finished in the Empire style. Wall beds are specified. Exterior of the building will be faced with pressed brick trimmed with ornamental terra cotta. Plans are com-

plete and figures are being taken.

SAN FRANCISCO—Apartment house, 4 story and base. Class C construction, \$72,000. (Architects, O'Brien Bros., 240 Montgomery street, S. F. Owner's name withheld. The building will be erected on Bush street and will have a frontage of 69 feet by a depth of 137½ feet. There will be a total of 80 rooms arranged in 25 suites of two rooms and 10 suites of three rooms. All apartments will have wall beds and private bath rooms. Interior will be finished in pine and hardwood veneer. Hardwood floors will be used in the living rooms and dining rooms. Fans provide for steam heat, an automatic elevator, dumb waiters and hot water supply. Bath rooms will be finished in tile with composition floors. Ornamental plaster and imported tapestries will be used in the lobby. Marble and tile wainscot are specified. Exterior of the building will be faced with pressed brick and terra cotta. Plans are now being prepared.

SALEM, ORE.—Apartment house, 3 story and base, brick. Cost not stated. Architects, MacNaughton & Raymond, Title and Trust Bldg., Portland. Owners, Judge McNary and George F. Rodgers. The building has been designed to contain a total of 25 suites of two and three rooms. All apartments will have wall beds and private bath rooms. Interior will be finished in pine and elm. Hardwood floors will be used in the principal rooms. There will be steam heat, a hot water system, elevator service and vacuum cleaning. Bath rooms will be finished in tile. Exterior of the building will be faced with pressed brick. Plans are complete and figures are now being taken.

Contracts Awarded.

LOS ANGELES, CAL. — Apartment house, 3 story and base. Class C construction, \$30,000. Architect's name not given. Owner, Mrs. Louise J. Hamer. Contractors, A. S. O'Neill Co., Lankershim Bldg., L. A. Contract price, \$30,000.

LOS ANGELES, CAL. — Apartment house, 2 and 5 story and base, reinforced concrete \$63,000. Architect, A. B. Benton, 114 North Spring street, L. A. Owner, O. T. Johnson. Contractor, John Mulder, 143 South Rose street, L. A. Contract price, \$63,000.

BONDS.

HOLBROOK, ARIZ.—A petition has been presented to the Holbrook School Board asking that they call a special bond election to decide the question of issuing and selling bonds of \$25,000 for the purchase of a site, the erection of a new school and the purchase of the necessary equipment.

ROSEBURG, ORE.—The City Council has authorized the calling of a

special bond election to ballot on the proposition of floating municipal bonds in the sum of \$500,000 with which to help Kendall Bros. construct a standard gauge railroad from Roseburg to the line of the Cascade Forest on the North Umpqua River. The election date has been set as June 4th. The bonds are to be voted contingent on the carrying out of Kendall Bros. contract to the offer that they will construct the railroad and erect a saw mill in the city of Roseburg. The railroad will represent an expenditure of approximately \$1,250,000.

DOUGLAS, ARIZ.—The Board of Supervisors of Cochise County have given notice that sealed proposals for the sale of school bonds of School District No. 27, County of Cochise, will be received at the Court House in Tombstone until 2 p. m. May 3rd. The bonds are in the sum of \$90,000. Proceeds of the sale will be used in the construction of a new high school building and for making repairs to the present buildings.

LOS ANGELES, CAL.—Bids will be received by the Board of Supervisors of Los Angeles County until May 3rd for the purchase of bonds in the sum of \$70,000 to provide for school improvements.

MONROVIA, LOS ANGELES CO., CAL.—At a special meeting the Chamber of Commerce endorsed the proposed movement to vote bonds of \$35,000 for the erection of a new school building.

RIVERSIDE, RIVERSIDE CO., CAL.—The Trustees of the Glenavon School District have purchased 100 feet of ground north of the present grounds on which a new school building will be built. It is planned to issue bonds of \$10,000 to provide for the erection of the new building.

SPOKANE, WASH.—Bonds of \$40,000 of School District No. 14 have been sold to the State by A. G. Mitchum, County Treasurer. The proceeds of the sale will finance the construction of a new high school building.

MARSHFIELD, ORE.—A new \$15,000 school building is planned at Wagner and County Superintendent Baker will recommend a bond issue for this amount to raise funds for the construction of the proposed structure.

SPOKANE, WASH.—The completion of the first unit of the new union stock yards in the east end before August 1st is assured by the sale of \$50,000 of the \$110,000 bond issue, according to an announcement made by the Union Trust and Savings Bank of Spokane.

NILAND SCHOOL DISTRICT, IMPERIAL CO., CAL.—Sealed bids will be received up to 2 p. m. May 4th by the County Board of Supervisors for the purchase of \$15,000 in bonds to provide for the construction of a new school building in the Niland District.

The Supervisors will receive bids at the same time for the purchase of \$60,000 in bonds of the El Centro School District, the proceeds of this sale to be used in the erection of a school building for the district. Further information regarding both sales may be had from M. S. Cook, Clerk of the Board of Supervisors.

WARRENTON, ORE.—C. H. Green Co. of Spokane purchased the \$150,000 bond issue, the proceeds of which is to be used in the construction of the proposed water works system.

This company also has the contract to construct the project. It will be a gravity system and will extend from the Lewis and Clark River by way of Fort Stevens, a distance of 21 miles. The contract price was \$138,000 and the contractors will begin work within 60 days.

WASHINGTON, YOLO CO., CAL.—The Washington District Levee Trustees have set May 18th as the date for the levee bond election, on which date the people will be called upon to pass on a plan for the issuance of \$10,000 bonds for the improvement of the levee.

The bonds will be in \$500 denominations, bearing interest at 7 per cent and extending over a period of from one to twenty years.

RIVERA SCHOOL DISTRICT, LOS ANGELES CO., CAL.—A bond election will be held on May 3rd for the purpose of voting on a proposition to issue \$15,000 bonds for the purchase of a school site and the erection of a school building, the issue to be in denomination of \$1,000 each and redeemable serially one to fifteen years.

SACRAMENTO, CAL.—Assemblyman Avey of Riverside is working on a proposition to submit to the legislature a State Highway bond issue of \$12,000,000, which in turn will be presented to the voters of the State. The \$18,000,000 fund under which State Highways are being constructed is running low. It will require more than \$50,000,000 to complete the comprehensive system of roads the State undertook to build with only \$18,000,000, but the full amount will not be asked for at this time.

The State Highway Commission is working with Avey on his bill. It is stated that the Commission maintains a well organized engineering corps and if the State runs out of funds future road work will be more expensive if the State is compelled to begin all over again.

The Avey bill will likely receive the indorsement of the legislature so that it will go on the ballot at the 1916 election.

FRESNO, FRESNO CO., CAL.—The proposed good roads bond election in Fresno County is approved by the heavy taxpayers of Fresno without exception, according to Charles L. Miner, who is circulating the Chamber of Commerce petition for signatures to set in motion the election machinery.

ARIZONA—The following counties in Arizona are preparing to issue road bonds in the amounts given, viz.: Cochise, \$500,000; Gila, \$250,000; Pinal,

\$150,000; Apache, \$50,000; Pima, \$500,000. Greenleaf County issue of \$150,000 and Yuma County of \$500,000 have been approved by the people and sold.

LIVERMORE, ALAMEDA CO., CAL.—The entire \$15,000 paving bond issue recently voted by citizens of Livermore has been taken up by Livermore banks at a private bid.

SEATTLE, WASH.—A bond issue of \$425,000 will be required for the construction of additions to the power plant of this city. Superintendent of Lighting Ross has made recommendations to the Mayor asking that the city bond itself for this amount.

SANTA MONICA, LOS ANGELES CO., CAL.—A special election will be called by the City Council to vote bonds for the construction of a storm sewer system. The estimates prepared by City Engineer Morton and Consulting Engineer George F. Lewis place the cost of construction at \$236,633.20.

MIDDLETOWN, LAKE CO., CAL.—The matter of calling a special bond election to vote bonds of \$40,000 for the construction of roads has met with success, and is being endorsed by all the property owners.

JEFFERSON SCHOOL DISTRICT, SAN MATEO CO., CAL.—Bonds of \$25,000 will be voted here May 11th in the Jefferson School District. Should the issue carry the proceeds of the sale will be used in the construction of a school building.

BRIDGES AND DAMS

EUREKA, HUMBOLDT CO., CAL.—Bridges, 3, cable and reinforced concrete, \$75,000. Engineer, County Surveyor Logan, Eureka. Owners, Humboldt County. At the last meeting of the Board of Supervisors plans were made for the expenditure of \$75,000 for the construction of three bridges. The location and types of construction follow: Over Eel River at Scotia across the State Highway to cost \$45,000. This structure will be a cable suspension viaduct, but will be 700 feet long as against 520 for the old bridge, and will be carried by thirty cables, fifteen on each side. The additional length is given the bridge in order that the anchor towers for the cables shall be well up to the bank from the river where bed rock can be found. Over Klamath River on the Hoopa-Orleans road. Cost \$9,000. This bridge will replace the present Gist ferry used there, and with the completion of the road into Hoopa over Bair's Mountain from Redwood Creek, will give two routes from here to New Orleans and thus into Siskiyou County via Salmon River. The remaining bridge for which plans have already been ordered is to be erected across Salmon Creek on the State Highway. This structure will be of concrete construction, comprising two 30-foot spans, and will probably cost \$8,000 or \$9,000. Bids on all the work will be called by the Supervisors immediately.

SHERIDAN, PLACER CO., CAL.—Bridge, reinforced concrete. Cost not stated. Engineer, County Surveyor, Auburn. Owners, Placer County. Plans and specifications for a new reinforced concrete bridge to be erected

near Sheridan have been completed and are now out for figures. The bridge is on the line of the new State Highway. Bids will be opened on May 4th. Plans and specifications can be secured from the office of the County Clerk.

SANTA ROSA, SONOMA CO., CAL.—Bridge, reinforced concrete. Cost not stated. Engineer, County Surveyor Malcolm P. Youker, Santa Rosa. Owners, Sonoma County. The County Board of Supervisors has instructed County Surveyor Malcolm P. Youker to prepare plans and specifications for the rebuilding of the Lambert bridge, which was washed out in the February storms. When the plans have been adopted the Board will direct the Clerk to advertise for bids.

MARTINEZ, CONTRA COSTA CO., CAL.—Bridge, steel and concrete, \$60,000. Engineer, County Surveyor Martinez. Owners, Contra Costa County. The Board of Supervisors has issued a call for bids for the Borden road bridge across Old River near Byron. The approximate cost of the structure is placed at \$60,000. It is to be of steel construction with cement piling.

SAN JOSE, SANTA CLARA CO., CAL.—Bridge, reinforced concrete and steel. Cost not stated. Engineer, County Surveyor, San Jose. Owners, Santa Clara County. Plans and specifications prepared by the County Surveyor for a reinforced concrete bridge on the San Jose and Los Gatos road over Los Gatos Creek have been adopted by the County Supervisors and bids for the structure will be opened on May 10th at 11 a. m. Further information together with plans and specifications may be had from the County Surveyor at San Jose.

Contracts Awarded.

OAKLAND, CAL.—Bridge, reinforced concrete, \$8,590. Engineer, County Surveyor, Oakland. Owners, Alameda County. Contractor, Thomas B. Russell, Hayward. Contract price, \$8,590.

MERCED, MERCED CO., CAL.—Bridge, timber construction, \$1,100. Engineer, County Surveyor, Merced. Owners, Merced County. Contractors, Berliner & Taylor, Los Angeles. Contract price, \$1,100.

SAN FRANCISCO—Heating plants on Piers, \$2,077 and \$1,357. Engineer, Assistant State Engineer Newman, Ferry Bldg., S. F. Owners, State of California. Contractor, J. E. O'Mara, S. F. Contract price for plants on Piers Nos. 16 and 18 \$2,007. Contract price on Wells-Fargo Pier, \$1,357.

COURT HOUSES.

SAN FRANCISCO—City Hall glass and glazing. Cost not stated. Architects, Bakewell & Brown, 251 Kearny street S. F. Owners, City and County of San Francisco. Bids opened at the last meeting of the Board of Public Works for the glass and glazing on the new City Hall show W. P. Fuller & Co. low on the three propositions as follows: Proposition No. 1, \$19,431; proposition No. 2, \$2,365; proposition No. 3, \$21,796. Contract has not been awarded. Further mention will be made of this work.

FACTORIES AND WAREHOUSES.

SAN FRANCISCO—Warehouses, 2 1 story reinforced concrete. Cost not stated. Engineer, Constructing Quartermaster, Fort Mason. Owners, U. S. Government. Plans have been completed for the construction of two warehouses at the Letterman General Hospital. One will be designed for an ordinary warehouse, while the other has been designed for a warehouse for combustibles. Exteriors will be covered with cement plaster. The work includes modern electric wiring and plumbing. Plans are complete and figures are now being taken. Bids will be opened on May 19th. An official proposal appears in another column of this issue.

SAN FRANCISCO—Factory, 1 story, frame and corrugated iron, \$5,000. Architect, none. Owners, Pacific Coast Salt Works, Crocker Bldg., S. F. The building will be erected on Utah street south of 14th, covering an area of 125 by 100 feet. No interior finish is specified. Exterior of the building will be covered with rustic. Corrugated iron roof is specified. Plans are complete and in the hands of the owners who will do the work by Day Labor. Materials are now being purchased.

OAKLAND, CAL.—Warehouse steel frame. Cost not stated. Engineer, Harbor Engineer, City Hall, Oakland. Owners, City of Oakland. Plans have been completed and figures are now being called for the construction of a steel frame for the one-story steel frame warehouse to be erected on city property parallel with the Quay Wall between Jefferson and Grove streets. The building will cover an area of 402 by 91 feet. Bids will be opened on April 29th. Plans and specifications can be secured from the office of the City Clerk.

FLATS

SAN FRANCISCO—Flats, 2 story and base, frame, \$7,500. Architects, Fabre & Bearwald, Merchants' National Bank Bldg., S. F. Owner, Jules Marty. The building will be erected on Shotwell street between 25th and 26th streets, and has been designed to contain two modern flats of five and six rooms. Interior finish will be of pine and hardwood veneer. Hardwood floors will be used in the living room, dining room and reception hall. There will be open fire places with tile or brick mantels. Bath rooms and kitchens will be finished in tile. Automatic water heaters are specified. The exterior of the building will be covered with cement plaster on metal lath. Plans are now being prepared.

SAN FRANCISCO—Flats, 2 story and base, frame, \$4,000. Architect, E. A. Neumarkel, Sharon Bldg., S. F. Owner, Mrs. Wilhelmina Forest. The building will be erected on the south side of California street east of Pierce, covering an area of 22-6 by 69 feet, and has been designed to contain three flats with a garage in the basement. Interior finish will be of pine and redwood with some hardwood veneer. Hardwood floors will be used in the living rooms, dining rooms and recep-

tion halls. Each living room will have a large open fire place with tile or brick mantel. Bath rooms will be finished in tile. Automatic water heaters are specified. Exterior of the building will be faced with cement plaster on metal lath. Plans are complete and figures have been taken. A contract will be awarded this week.

SAN FRANCISCO—Flats, 3 story and base, frame, \$8,000. Architect, Edward E. Young, 251 Kearny street, S. F. Owner, Edward E. Young. The building will be erected on the east side of Divisadero north of Fell street, covering an area of 25 by 61 feet. There will be three modern flats of five and six rooms. Interior will be finished in pine and elm panels. Hardwood floors will be used in the living halls. There will be open fire places rooms, dining rooms and reception and tile or brick mantels. Bath rooms will be finished in tile. Automatic water heaters are specified. Exterior of the building will be covered with shiplap with a brick veneer base. Plans are complete and the work will be done by Day Labor.

SAN FRANCISCO—Flat alteration, frame construction, \$2,350. Architect, none. Owners, C. and H. Marker. The building located at the southeast corner of Jackson and Webster streets will undergo alterations. The work will include new interior trim, hardwood floors, electric work, plastering and plumbing. Plans are in the hands of S. Saari, 109 Fulton street, who will superintend the work.

GARAGES.

SAN FRANCISCO—Garage, 1 story and base, brick, \$6,000. Architect, none. Owner, John J. McElroy, 1637 Golden Gate avenue, S. F. The building will be erected on the south side of Natoma street west of First street, covering an area of 41 by 80 feet, and has been designed for a commercial garage. A cement floor will be used. Interior finish will be of pine. Special electric work and gasoline storage tanks are specified. Exterior of the building will be covered with pressed brick. Plans are now being prepared and figures will be taken by the owner.

Contracts Awarded.

FRESNO, FRESNO CO., CAL.—Garage, 2 story and base, reinforced concrete, \$40,000. Architect, Eugene Mathewson, Forsythe Bldg., Fresno. Owner, J. D. Phelan. Contractors, Trewhitt & Shields, Rowell Bldg., Fresno. Contract price, \$41,000.

GOVERNMENT WORK & SUPPLIES.

The army chief of engineers has made the following allotments for river and harbor improvements out of the \$30,000,000 appropriated by the last Congress. Only the allotments made for rivers and harbors on the Pacific Coast and the Hawaiian Islands are given in the following list:

Los Angeles Harbor, Cal.....	\$ 75,000
San Francisco Harbor, Cal.....	12,000
Oakland Harbor, Cal.....	80,000
San Pablo Bay, Cal.....	15,000
Humboldt Harbor & Bay, Cal..	300,000
Petaluma Creek and Napa	

Sacramento and Feather Rivers, Cal.	60,000
Coquille River, Ore.....	76,000
Coos Bay, Ore.....	70,000
Coos River, Ore.	3,000
Siuslaw River, Ore.....	117,500
Yaquina River, Ore.....	3,000
Nehalem Bay, Ore.....	116,175
Snake River, Ore., Wash. and Idaho	20,000
Upper Columbia River, above Celilo Falls to mouth of Snake River, Ore. and Wash.	37,000
Mouth of Columbia River, Ore. and Wash.	1,500,000
Columbia and Lower Willamette Rivers, below Portland, Ore.	450,000
Willamette and Yamhill Rivers, above Portland Ore.....	25,000
Cowlitz and Lewis Rivers, Wash.	15,000
Clatskanie River, Ore.	1,000
Grays Harbor and Bar, Wash.	460,000
Waterway connecting Port Townsend Bay and Oak Bay, Wash.	15,000
Waterway connecting Puget Sound and Lakes Union and Washington	17,500
Kahului Harbor, Hawaii.....	10,000
Honolulu Harbor Hawaii	25,000

Pearl Harbor, H. T., Elevator.

The bid of the Otis Elevator Co., \$4,670 in amount, has been accepted for furnishing an electric passenger elevator for the naval hospital at Pearl Harbor under bids opened at the bureau of yards and docks, Navy Department.

Salt Lake City, Utah, Painting.

The following bids were received by the custodian, U. S. post office, Salt Lake City, Utah recently for painting in the U. S. post office at Salt Lake City:

Merrill & Zehring, Salt Lake City, Utah, \$3,900; 70 days.
Grohne Contracting Co., Joliet, Ill., \$4,735; 90 days.
J. P. Sullivan, Chicago, Ill., \$4,971; 100 days.
Pyper Automobile Paint & Repair Co., Salt Lake City, Utah, \$6,639; 90 days.
Coffin & Lane, Salt Lake City, Utah, \$7,500; 70 days.

Phoenix Indian School Sewer System.

The bid of Thomas M. Torson, Kansas City, Mo., \$22,347 in amount, has been accepted for the construction of a sewer system at the Phoenix Indian School and Sanitorium, Phoenix, Ariz.

Mandan, N. Dak., Post Office.

As previously reported, the contract for the construction, complete, of the U. S. post office at Mandan, N. Dak., was awarded to the G. W. Stiles Construction Co., Rookery Building, Chicago, Ill., at \$47,245. In the construction of the building fixtures and material manufactured by the following firms will be used: Plumbing fixtures, Federal-Huber Co.; cast iron column radiators, Kewanee Boiler Co.; wall radiators, American Radiator Co.; non-conducting coverings, Johns-Manville; air valves for end of steam mains, Jenkins Bros.; cabinet and tablet, Frank Adam Electric Co.; conduit,

Weston Conduit Co.; rubber-covered wire, American Steel and Wire Co.; snap switches, Arrow Electric Co.; light fixtures, Morreau Co.; pendant switches, Perkins; keyless sockets, Perkins; reflectors and glassware, Macbeth-Evans Co.; canopy switches, Cutler-Hammer Mfg. Co.; radiator valves, Pratt & Cady; damper regulator, American Radiator Co.

Safes, Various Buildings.

The following bids were received by the supervising architect, Treasury Department, Washington, D. C., for installing safes in the following named post office buildings:

- Bid 1. Moslins Safe Co., Hamilton, Ohio.
2. Diebold Safe & Lock Co., Canton, Ohio.
3. Hall's Safe Co., Cincinnati, Ohio.
4. Miller Safe Co., Baltimore, Md.
5. National Safe & Lock Co., Cleveland, Ohio.
6. Herring-Hall-Marvin Safe Co., Hamilton, Ohio.
7. J. Baum Safe & Lock Co., Cincinnati, Ohio.
8. Victor Safe & Lock Co., Cincinnati, Ohio.
9. Hermann Safe Co.

Berkeley, Cal., chest and shell safe—Bid 3, \$505.46, 130 days; 5, \$524.40, 90 days; 1, \$526.04, 60 days; 2, \$557.58, 90 days; 6, \$675, 84 days; 9, \$857.50, 120 days.

Berkeley, Cal., reserve stamp shell safe—Bid 1, -245.03, 40 days; 3, \$251.92, 120 days; 4, \$265.50, 120 days; 8, \$280.-36, 90 days; 6, \$327, 64 days; 9, \$358.30, 120 days.

Berkeley, Cal., 2 No. 0 stamp shell safes—Bid 7, \$147.81, 90 days; 3, \$230.-36, 130 days; 1, \$259.34, 40 days; 4, \$264, 120 days; 8, \$290.20, 90 days; 2, \$300.27, 60 days; 9, \$340, 120 days; 6, \$631, 64 days.

Berkeley, Cal., special registry shell safe—Bid 1, \$184.85, 40 days; 3, \$188.-28, 130 days; 4, \$215, 110 days; 8, \$215.-87, 90 days; 7, \$221.13, 60 days; 9, \$251, 120 days; 6, \$254, 64 days; 2, \$273.02, 90 days.

Casper, Wyo., chest and shell safe—Bid 5, \$537.25, 90 days; 3, \$538.72, 130 days; 1, \$599.76, 60 days; 2, \$612.40, 120 days; 6, \$657, 80 days.

Casper, Wyo., registry shell safe—Bid 2, \$144.70, 60 days; 4, \$164.75 100 days; 8, \$168.58, 90 days; 1, \$172.36, 40 days; 3, \$201.24, 120 days; 6, \$206, 80 days.

Douglas, Wyo., chest and shell safe—Bid 3, \$534.48, 128 days; 5, \$537.25, 90 days; 1, \$554.25, 60 days; 2, \$608.80, 120 days; 6, \$653, 80 days.

Tender Columbine, Steam Capstan.

The following bids were received by the light-house inspector, 18th district, San Francisco, Cal., for installing one steam capstan on tender Columbine:

American Engineering Co., San Francisco, Cal., \$472.50 and \$567.50.
Hyde-Windlass Co., Bath Me., \$400; accepted.

Tender Kukui, Machinery Repairs.

The following bids were received by the light-house inspector, 18th district, San Francisco, Cal., for repairs to machinery in tender Kukui:

Muir & Symon, Inc., San Francisco, Cal., \$122.50; accepted.

Columbia Machine Works, San Francisco, Cal., \$124.

United Engineering Works, San Francisco, Cal., \$142.

Livingston, Mont., Weather Strips.

The contract for furnishing and installing weather strips in the U. S. post office at Livingston, Mont., has been awarded to Willer Mfg. Co., Milwaukee, Wis., at \$108.

La Junta, Colo., Plaster Models.

The contract for furnishing plaster models for the U. S. post office at La Junta, Colo., has been awarded to J. Brys & F. Bruyninck Co., Washington, D. C., at \$2,220; time 30 days for each model.

Port Townsend, Wash., Repairs.

The contract for repairs to wharf No. 25 at the U. S. quarantine station, Port Townsend, Wash., has been awarded to Port Townsend Pile Driving Co., Port Townsend, Wash., at \$3,-100; time 60 days.

SAN FRANCISCO—Crib wall, \$1,295. Engineer, Constructing Quartermaster, Fort Mason. Owners, U. S. Government. Bids opened by the Constructing Quartermaster at Fort Mason for the construction of a crib wall at Fort Winfield Scott show Pringle-Dunn & Co. low at \$1,295. They will probably be awarded the work. A complete list of the bids received will be found under the heading of San Francisco in this issue.

COOS BAY, ORE.—Coast guard quarters, 1 and 2 story, frame. Cost not stated. Engineer, Chief Engineer, 13th District, Coast Guard, San Francisco. Owners, U. S. Government. Plans have been competed for the construction of a coast guard station on the South Channel at Coos Bay. The buildings included in the work are the coast guard station, keeper's quarters, boat house, launch way and jetty. Construction will be of frame. Plans are now being figured. Bids will be opened on May 19th at 2 p. m. at Washington, D. C. Plans and specifications can be secured from the Coast Guard of the 13th District, Custom House, San Francisco. An official proposal appears in another column of this issue.

SAN FRANCISCO—Road work, macadam and concrete, \$16,554 and \$9,372. Engineer, Constructing Quartermaster, Fort Mason. Owners, United States Government. Bids for the construction of two pieces of road in the Presidio have been opened. The Sunset Construction Co. are low on the macadam road from Lobos Creek to Battery Chamberlain at \$16,554, and D. L. Bienfeld & Co. low at \$9,372 for the concrete road from the Marine Hospital to the new stable site. These contracts will be awarded shortly.

HALLS AND SOCIETY BUILDINGS

LOS BANOS, MERCED CO., CAL.—Lodge hall, 3 story and base, reinforced concrete, \$40,000. Architect, Ernest J. Kump, Rowell Bldg., Fresno. Owners, Los Banos Odd Fellows' Hall

Association. The building will be designed for stores on the first floor and lodge rooms, banquet hall, library and living apartments on the upper floors. Interior will be finished in pine and hardwood veneer. Maple floor will be used in the ball room. There will be steam heat and open fire places. Mantels will be of tile. Patent store fronts are specified. Exterior of the building will be faced with cement plaster. Plans are now being prepared.

WASHINGTON, YOLO CO., CAL.—City hall painting. Cost not stated. Architect, none. Owners, Town of Washington. Plans are complete and figures will be opened on May 3rd for painting the Town Hall. Plans and complete information can be secured from the County Clerk, Woodland.

Contracts Awarded.

FRESNO, FRESNO CO., CAL.—Lodge hall and stores, 2 story and base, reinforced concrete. Cost not stated. Architect, Frederick L. Swartz, Rowell Bldg., Fresno. Owner, F. M. Roessler. Contractor, Frank Rehorn, 1059 South street, Fresno. Contract price not stated.

HOSPITALS

OAKLAND, CAL.—Hospital addition, 2 story, brick and steel, \$12,000. Architect, Walter J. Mathews, 927 Broadway, Oakland. Owners, Merritt Hospital. The building will be in the nature of an addition to the nurses' quarters, and will be erected at the corner of Hawthorne and Webster streets. There will be eight living rooms, each with private bath. Interior finish will be of pine and hardwood. Hardwood floors will be used. Steam heat will be supplied from the central plant in the present building. Bath rooms will be finished in tile. Exterior of the dwelling will be covered with pressed brick. Plans are complete and figures are now being taken by the architect.

Contracts Awarded.

FRESNO, FRESNO CO., CAL.—Hospital, 2 story and base, frame, \$12,500. Architects, Glass & Butner, Rowell Bldg., Fresno. Owner, Fresno County. Contractor, G. H. Walley, 135 Diana street, Fresno. Contract price, \$12,500. The Hansen Construction Co. was awarded the contract on their bid of \$3,650 for the construction of the physician's residence at the Fresno County Hospital.

HOTELS

SAUSALITO, MARIN CO., CAL.—Hotel, 2 story and base, frame, \$35,000. Architects, O'Brien Bros., 240 Montgomery street, S. F. Owner, Henry Kruse, Sausalito. The building will cover a considerable ground area and is designed for a number of stores, a cafe, saloon and an entrance to the hotel on the first floor. Upper floor will be arranged for a number of private rooms and baths. Interior finish will be of pine and mahogany. There will be a hot water supply. Bath rooms will be finished in tile. Patent store fronts are specified. Exterior of the building will be covered with cement plaster on metal lath. Plans are now being prepared.

SAUSALITO, MARIN CO., CAL.—Hotel, 2 story and base, frame, \$25,000. Architects, O'Brien Bros., 240 Montgomery street, S. F. Owner, Henry Kruse. The building will have a frontage of 200 feet and a depth of 48 feet, and has been designed for five stores on the first floor besides the hotel entrance, saloon, cafe and dining room. Upper floor will contain a total of fourteen rooms, all of which will have private baths. Interior will be finished in pine and hardwood. There will be a hot water system. Exterior of the building will be covered with cement plaster on metal lath. Plans are complete and figures are being taken.

LOS ANGELES, CAL. Hotel, 3 story and base, glass construction, \$25,000. Architect, B. B. Bixby, 631 South Spring street, L. A. Owner, Mrs. Mary Norman. The building will be erected on Ruth avenue, covering an area of 50 by 125 feet, and has been designed to contain 65 rooms and several baths. Interior will be finished in pine. There will be steam heat and a hot water supply. Bath rooms will have tile wainscot and composition floors. Exterior of the building will be faced with pressed brick. Plans are now being prepared.

LIBRARIES.

BERKELEY, ALAMEDA CO., CAL.—Library, 2 story and base, brick, \$10,000. Architect, W. H. Ratcliff, Jr. First National Bank Bldg., Berkeley. Owners, City of Berkeley. Plans for a branch library, which is to be erected on the corner of San Pablo and University avenues, have been completed and are now out for figures. The building will contain two reading rooms, stack room and office for the librarian. Interior finish will be of pine and hardwood. Maple floors will be used in the reading rooms and stack rooms. A central heating system, probably hot air, will be installed. Metal book stacks are specified. Exterior of the building will be covered with pressed brick. Bids will be opened on May 11th at 10 a. m. Plans and specifications can be secured from the architect.

WILLITS, MENDOCINO CO., CAL.—Library, 1 story and base, brick, \$7,335. Architect, Tobias Bearwald, Merchants National Bank Bldg., S. F. Owners, City of Willits. Nine bids were opened by the library trustees for the construction of a new building. The lowest bid was received from Arthur Elvin, 3854 23rd street, S. F. This bid was for \$7,335. He was awarded the contract.

RAILROAD CONSTRUCTION AND EQUIPMENT.

FRESNO, FRESNO CO., CAL.—Railroad construction. Cost not stated. Engineer, Engineering Department Fresno Interurban Railway. Owner, Fresno Interurban Railroad Co. A franchise to run cars of the Fresno Interurban Railroad Co. through the streets of the city has been granted to John B. Rogers, president of the company. Mr. Rogers declares that he will

start construction within ninety days. The line will embrace several of the principal thoroughfares of the city. Bids for materials will be called for shortly. Further mention will be made of this work.

RESIDENCES.

SAN FRANCISCO—Residences, 2, 2 story and base, frame. Cost not stated. Architect, none. Owner, Mr. Anderson, Monadnock Bldg., S. F. Phone Garfield 1329. Mr. Anderson has recently purchased several lots in the Sunset District, on which he will build attractive homes for sale. The two houses for which figures are now being taken will each contain six rooms and bath. Interiors will be finished in pine and redwood. Hardwood floors will be used in the living rooms, dining rooms and reception halls. There will be open fire places and tile or brick mantels. Tile wainscot will be used in the bath rooms and kitchens. Automatic water heaters are specified. Exteriors of the dwellings will be covered with cement plaster on metal lath. Plans are in the hands of the owner who is now taking subfigures on the work.

SAN FRANCISCO—Residence, 1½ story and base, frame, \$3,500. Architects, Fabre & Bearwald, Merchants' National Bank Bldg., S. F. Owner, E. A. Bareilles. The dwelling will be erected in the Bay View District, and has been designed to contain six rooms, bath and sleeping porch. Interior finish will be of pine and redwood with some elm panels. Hardwood floors will be used in the living room and dining room. There will be an open fire place with tile or brick mantel. Bath room will have tile wainscot and floors. An automatic water heater will be installed. Plans are now being pared.

SAN FRANCISCO—Residence, 1½ story and base, frame, \$2,000. Architect, Wm. Davis, 536 28th avenue. Owners, Webb & Davies, 536 28th avenue, S. F. The dwelling will be erected on the east side of 24th avenue, north of Anza, and has been designed to contain five rooms and bath. Interior finish will be of pine and redwood throughout. Some hardwood floors are specified. A large open fire place with tile or brick mantel will be a feature of the living room. Bath room and kitchen will have imitation tile wainscot. An automatic water heater will be installed. Exterior of the dwelling will be covered with rustic and cement plaster on metal lath. Plans are complete and in the hands of the owners who will do the work by Day Labor.

SAN FRANCISCO—Residence, 2 story and base, frame, \$5,000. Architect, none. Owner, J. Holmes Wade, Crocker Bldg., S. F. The dwelling will be erected on the east side of Pacheco street east of Alton in the Forest Hill District, and has been designed to contain eight rooms, two baths and sleeping porch. Interior will be finished in pine and redwood with some hardwood veneer and white enamel in the bed rooms. There will be hardwood floors throughout. Plans provide for furnace heat and open fire places. An auto-

matic water heater will be installed. Mantels will be of tile and brick. Bath rooms will be finished in tile. Exterior of the dwelling will be covered with rustic and cement plaster on metal lath. Plans are now being prepared.

SAN FRANCISCO—Residence, 2 story and base, frame, \$3,000. Architect, O. E. Evans Co., Inc., 2861 Mission street, S. F. Owner, Emil Nelson, 244 Rivoli. The dwelling will be erected on Florida street north of Army, and has been designed to contain six rooms, bath and sleeping porch. Interior finish will be of pine and redwood with some elm panels. Hardwood floors will be used in the living room and dining room. There will be open fire places and tile or brick mantels. Tile wainscot will be used in the bath room and kitchen. An automatic water heater is specified. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor. Materials are now being purchased.

SAN FRANCISCO—Bungalow 1 story and base, frame, \$2,000. Architects, Fabre & Bearwald, Merchants' National Bank Bldg., S. F. Owner, F. Nadal. The dwelling will be erected in the Bay View District, and has been designed to contain five rooms and bath. Interior finish will be of pine throughout. Some hardwood floors will be used. There will be an open fire place and tile or brick mantel. Imitation tile wainscot will be used in the bath room. Exterior of the house will be covered with rustic and shingles. Plans are complete and figures are now being taken.

SAN FRANCISCO—Residence, 2 story and base, frame, \$6,000. Architect, none. Owner, James Welsh, 244 24th avenue, S. F. The dwelling will be erected on the west side of 10th avenue south of Anza street, and has been designed to contain eight rooms, two baths and sleeping porch. Interior finish will be of pine and redwood with some elm panels. Bed rooms will be finished in white enamel. Hardwood floors will be used in the principal rooms. Plans provide for furnace heat and open fire places. Mantels will be of tile and brick. Bath rooms will be finished in tile. An automatic water heater will be installed. Exterior of the dwelling will be covered with cement plaster on metal lath. The basement has been arranged for a private garage. Plans are complete and in the hands of the owner who will do the work by Day Labor. Materials are now being purchased.

SAN FRANCISCO—Residences, 2, 2 story and base, frame, \$9,000 each. Architects, Falch & Knoll, Hearst Bldg., S. F. Owners, Eisenbach Co. These two dwellings will be erected on Cherry street near Sacramento, and have been designed to contain eight rooms, two baths and sleeping porch. The basements will be finished for private garages. Interiors of the dwellings will be finished in pine, redwood, hardwood and white enamel. Hardwood floors will be used throughout. There will be furnace heat and open fire places. Mantels will be of tile and brick. Bath rooms will be finished in tile and equipped with high-grade

plumbing fixtures. Automatic water heaters will be installed. Exteriors will be covered with cement plaster on metal lath. Plans are complete and figures are now being taken.

BERKELEY, ALAMEDA CO., CAL.—Residence, 2 story and base, frame, \$4,000. Architect, James W. Plachek, Acheson Bldg., Berkeley. Owner, John McCarthy. The dwelling will be erected on Spruce street near Eunice, and has been designed to contain eight rooms, two baths and sleeping porch. Interior finish will be of pine and hardwood. Bed rooms will be finished in white enamel. Hardwood floors will be used in the living room, dining room and reception hall. Plans provide for furnace heat and open fire places. Mantels will be of tile or brick. Tile wainscot will be used in the bath room. An automatic water heater is specified. Exterior of the dwelling will be covered with shingles. Plans are now being prepared and the work will be done by Day Labor.

ALAMEDA, ALAMEDA CO., CAL.—Residence, 1 story and base, frame, \$2,500. Architect, Universal Drafting Bureau, 1844 5th avenue, Oakland. Owner, Benj. F. Kopf. The dwelling will be erected in Waterside Terrace, and has been designed for a five-room house with bath. Interior finish will be of pine and redwood. Hardwood floors will be used in the living room and dining room. There will be an open fire place with tile or brick mantel. Imitation tile wainscot will be used in the bath rooms. An automatic water heater is specified. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are being prepared and the work will be done by Day Labor.

PIEDMONT, ALAMEDA CO., CAL.—Residence, 1 story and base, frame, \$2,500. Architect, Universal Drafting Bureau, 1844 5th avenue, Oakland. Owner, Mr. Turner, Primrose Apartments, Piedmont. The dwelling will be erected in Nova Piedmont, and has been designed for a five-room house with bath and sleeping porch. Interior finish will be of pine and redwood. Hardwood floors will be used in the two principal rooms. There will be a large open fire place in the living room. Mantel will be of tile or brick. Tile wainscot will be used in the bath room and kitchen. An automatic water heater will be installed. Exterior will be covered with cement plaster on metal lath. Plans are being prepared and when complete the work will be done by Day Labor.

SACRAMENTO, CAL.—Residence, 2 story and base, concrete blocks, \$4,000. Architect, none. Owner, Fred Lohman, 1717 24th street, Sacramento. The dwelling has been designed for a seven room house with bath and sleeping porch. Interior will be finished in pine and redwood. Bed rooms will be finished in white enamel. Hardwood floors will be used in the principal rooms. There will be furnace heat and open fire places. Mantels will be of tile or brick. Tile wainscot will be used in the bath room and kitchen. An automatic water heater will be installed. Exterior of the dwelling will be of imitation stone. Plans are complete and in the hands of the owner

who will do the work by Day Labor.

SACRAMENTO, CAL.—Residence, 1 story and base, frame, \$2,000. Architect none. Owner, Wm. M. Morris, 2214 H street, Sacramento. The dwelling has been designed for a six-room house and will be finished in pine and redwood. Hardwood floors will be used in the principal rooms. There will be a large open fire place in the dining room with tile or brick mantel. Bath room will be finished in imitation tile. An automatic water heater will be installed. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor.

SAN FRANCISCO — Residence, 1½ story and base, frame, \$2,500. Architect, none. Owners, Oscar Heyman & Bros., 742 Market street, S. F. The dwelling will be erected on the east side of 34th avenue north of Fulton, and has been designed for a five room house. Interior finish will be of pine and redwood. Hardwood floors will be used in the living room and dining room. An open fire place with tile or brick mantel is specified. An automatic water heater will be installed. Bath room will have tile wainscot. Exterior of the building will be covered with rustic and shiplap. Plans are complete and in the hands of the owner who will do the work by Day Labor. Materials are now being purchased.

VISALIA, TULARE CO., CAL.—Residence, 2 story and base, frame, \$8,000. Architect, Frederick L. Swartz, Rowell Bldg., Fresno. Owner, Mrs. F. Bodden. The dwelling has been designed for an eight-room house with bath and sleeping porch. Interior will be finished in wood floors will be used in the living room, dining room and reception hall. There will be furnace heat and open fire places. Mantels will be of tile or brick. Bath room will be finished in tile. An automatic water heater will be installed. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are now being prepared.

STOCKTON, SAN JOAQUIN CO., CAL.—Residence, 2 story and base, frame, \$10,000. Architect, Joseph Losekann, San Joaquin Bldg., Stockton. Owner, Thomas Lewis. The dwelling will be erected on a large lot in North Stockton, and has been designed for a nine-room house with two baths, sleeping porch and garage. Interior finish will be of pine and hardwood with white enamel in the bed rooms. Hardwood floors will be used in the principal rooms. There will be furnace heat, open fire places and a hot water circulating system. Bath rooms will be finished in tile. Vacuum cleaning is specified. Exterior of the building will be covered with cement plaster on metal lath. Plans are now being prepared.

HOLLYWOOD, LOS ANGELES CO., CAL.—Residence, 2 story and base, frame. Cost not stated. Architect, Frank T. Kegley, Consolidated Realty Bldg., L. A. Owner, Maye W. Stephens. The dwelling will be erected in West Hollywood and has been designed for a fifteen-room house with five baths and a garage. Interior fin-

ish will be of pine, hardwoods and white enamel. Hardwood floors will be used in the principal rooms. There will be a central heating system, probably warm air, open fire places, a hot water circulating system and vacuum cleaning. Bath rooms will be finished in tile. Mantels will be of tile and brick. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are now being prepared.

LOS ANGELES, CAL.—Residence, 2 story and base, frame, \$20,000. Architects, Milwaukee Building Co., Wright and Callender Bldg., L. A. Owner, R. L. Horton, Washington Bldg., L. A. The dwelling will be erected in Windsor Square, and has been designed to contain fourteen rooms, four baths and a private garage. Interior finish will be of pine and hardwood. Hardwood floors will be used in the principal rooms. There will be a central heating system, either steam or hot air. Open fire places and tile and brick mantels are specified. Bath rooms will be finished in tile. There will be a hot water circulating system. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are now being prepared.

OAKLAND, CAL.—Residence, 2 story and base, frame, \$3,500. Architect, Merrill Newsom, 1748 Broadway, Oakland. Owner, G. Gregory. The dwelling will be erected on 41st avenue and Boulevard, and has been designed to contain six rooms, bath and sleeping porch. Interior finish will be of pine and redwood. Hardwood floors will be used in the living room, dining room and reception hall. There will be furnace heat and open fire places. Mantels will be of tile. Tile wainscot will be used in the bath room and kitchen. An automatic water heater will be installed. Exterior of the house will be covered with cement plaster on metal lath. Plans are being prepared and the work will be done by Day Labor.

OAKLAND, CAL.—Residence, 1 story and base, frame, \$3,000. Architect, none. Owner, James McGuinness, 5615 East 16th street, Oakland. The dwelling will be erected on west Park Boulevard, and has been designed to contain seven rooms, bath and sleeping porch. Interior finish will be of pine and redwood with some hardwood veneer. Hardwood floors will be used in the principal rooms. Bed rooms will be finished in white enamel. There will be an open fire place and tile or brick mantel. An automatic water heater is specified. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor.

OAKLAND, CAL.—Residence, 2 story and base, brick and frame, \$7,000. Architect, Glenn Allen, 941 Monadnock Bldg., S. F. Owner, Jennie Hayes. The dwelling will be erected in the Crocker Highlands, and has been designed to contain eight rooms, two baths and sleeping porch and a garage. Interior finish will be of pine and hardwood. Hardwood floors will be used throughout. There will be furnace heat and open fire places. Mantels will be of tile or brick. Bath rooms will be finished in tile and equipped with high

grade plumbing fixtures. Automatic water heater will be installed. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are now being figured.

PIEDMONT ALAMEDA CO., CAL.—Residence, 2 story and base, frame, \$3,500. Architect, Universal Drafting Bureau, Inc., 1844 5th avenue, Oakland. Owner, R. A. McWilliams. The dwelling will be erected on Vernal avenue, and has been designed to contain seven rooms, bath and sleeping porch. Interior finish will be of pine and hardwood with white enamel in the bed rooms. Hardwood floors will be used in the living room, dining room and reception hall. Plans provide for furnace heat and open fire places. Mantels will be of tile or brick. Tile wainscot and floor will be used in the bath room. An automatic water heater will be installed. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor. Materials are now being purchased.

OAKLAND, CAL.—Residence, 2 story and base frame, \$3,000. Architect, none. Owner A. B. Chase, 1521 79th avenue, Oakland. The dwelling will be erected on the east line of Peralta avenue south of Delaware, and has been designed to contain seven rooms and bath. Interior will be finished in pine and redwood with white enamel in the bed rooms. Hardwood floors will be used in the living room, dining room and reception hall. Plans provide for Mantels will be of tile, the amount of \$60 having been allowed for each mantel. Bath rooms will be finished in tile. An automatic water heater is specified. The dwelling will be covered with cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor. Materials are now being purchased.

BERKELEY, ALAMEDA CO., CAL.—Residence, 1 story and base, frame, \$2,500. Architect, Universal Drafting Bureau, 1844 5th avenue, Oakland. Owner, M. P. Brasch. The dwelling will be erected in Northbrae and has been designed for a five-room house with bath and sleeping porch. Interior finish will be of pine and redwood. Hardwood floors will be used in the living room and dining room. A large open fire place with a brick mantel will be a feature of the living room. An automatic water heater is specified. Bath room and kitchen will have tile wainscot. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor. Materials are now being purchased.

OAKLAND, CAL.—Residence, 2 story and base, frame, \$9,000. Architects, Schirmer, Bugbee & Co., Dalziel Bldg., Oakland. Owner, Mr. Forest. The dwelling will be erected in Crocker Highland, and has been designed for a ten room house with three bath rooms and a separate garage. Interior finish will be of pine and hardwood with white enamel in the bed rooms. Hardwood floors will be used throughout. Bath rooms will be finished in tile and equipped with high grade

plumbing fixtures. Furnace heat, a hot water circulating system and open fire places are specified. Mantels will be of tile and stone. Bath rooms will be finished in tile. Exterior of the dwelling and garage will be covered with cement plaster on metal lath. Plans are complete and figures are now being taken.

OAKLAND, CAL.—Residence, 1 story and base, frame, \$2,000. Architect, Universal Drafting Bureau, 1844 5th avenue, Oakland. Owner, R. A. McWilliams. The dwelling will be erected in Fourth Avenue Heights, and has been designed for a five-room dwelling with bath and sleeping porch. Interior finish will be of pine and redwood. Hardwood floors will be used in the living room and dining room. There will be an open fire place and tile or brick mantel. Imitation tile wainscot will be used in the bath room and kitchen. An automatic water heater dwelling will be covered with cement plaster on metal lath. Plans are complete. The work will be done by Day Labor. Materials are now being purchased.

OAKLAND, CAL.—Residence, 1½ story and base, frame, \$3,000. Architect, Universal Drafting Bureau, 1844 5th avenue, Oakland. Owner, Dr. Caldwell. The dwelling has been designed for a six-room dwelling with bath and sleeping porch. Interior will be finished in pine and redwood with white enamel in the bed rooms. Hardwood floors will be used in the principal rooms. There will be furnace heat and open fire places. Bath rooms will be finished in tile. Mantels will be of brick. An automatic water heater is specified. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor. Materials are now being purchased.

WOODSIDE, SAN MATEO CO., CAL.—Residence, 2 story and base, frame, \$25,000. Architect, Houghton Sawyer, Shreve Bldg., S. F. Owner, Mrs. Dressler. The dwelling has been designed for a large country home. There will be extensive gardens and a garage and stables in connection with the house. Interior will be finished in pine and hardwood. Bed rooms will be finished in white enamel. Hardwood floors will be used throughout. There will be steam heat, open fire places and vacuum cleaning. A hot water circulating system will be installed. Bath rooms will be finished in tile. Exterior of the house and out buildings will be covered with cement plaster on metal lath. Plans are being prepared.

SCHOOLS.

SEBASTOPOL, SONOMA CO., CAL.—School, 1 story and base, frame. Cost not stated. Architect not given. Owner, Sebastopol School District. Revised figures are now being called for the construction, including heating and vacuum cleaning for a one-story frame grammar school building. The structure will contain four class rooms and an assembly hall. Interior will be finished in pine. Furnace heat is specified. Maple floors will be used. Exterior

of the building will be covered with rustic and shingles. Plans can be secured at the Jones Hardware Co., Sebastopol. Bids will be opened on April 30th at 8 p. m.

RICHMOND, CONTRA COSTA CO., CAL.—School addition, 1 story and base, brick, \$8,425. Architect, James T. Nabett Berry Bldg., Richmond. Owners, City of Richmond. Bids were opened for the addition of four class rooms and an assembly hall to the Fairmount School, and show W. H. Ecker, 1306 Bissell avenue, Richmond, low on the work at \$8,425.25, and he has been awarded the contract. Bids were also opened for the heating and ventilating and show Dickson & Holbrook low at \$1,246. No award has been made.

BERKELEY, ALAMEDA CO., CAL.—School, 2 story and base. Class C construction, \$70,000. Architect, William H. Ratcliff, Jr., First National Bank Bldg., Berkeley. Owners, City of Berkeley. A large number of segregated figures were received on April 23rd for the construction of this building. No definite action has been taken by the Board of Education. A complete list of the various figures received will be found under the heading of Oakland and Alameda County in this issue.

SAN FERNANDO, LOS ANGELES CO., CAL.—School, 1 and 2 story and base, brick and hollow tile. Cost not stated. Architect, John C. Austin, Detwiler-Baker Bldg., L. A. Owners, San Fernando Union High School District. The date for opening bids for this work has been extended from April 24th to May 1st. Plans and specifications can be secured from the architect.

HYDE PARK, LOS ANGELES CO., CAL.—School, 1 and 2 story and base, interlocking tile construction, \$58,000. Architect, George A. Howard, Grant Bldg., L. A. Owners, Hyde Park School District. The main building will cover an area of 100 by 100 feet and will contain, besides the class rooms and departments of domestic science and manual training, an auditorium seating 500 people. Each of the small buildings will contain two class rooms and teachers' rooms. Interiors will be finished in pine. A hot air heating system will be installed. Modern school plumbing, vacuum cleaning and program clocks are included in the work. Exteriors will be faced with cement plaster. Plans are complete and segregated figures are being taken. Bids will be opened on May 7.

LOS ANGELES, CAL.—School, 2 story and base, brick, \$40,000. Architects, Edelman & Barnett, Black Bldg., L. A. Owners, City of Los Angeles. The building will be erected on the 65th street school site and will cover an area of 118 by 100 feet. There will be eight class rooms and an assembly hall. Interior will be finished in pine with maple floors in the class rooms. Plans provide for steam heat, vacuum cleaning and program clocks. Exterior of the building will be faced with pressed brick. Plans are complete and figures are being taken. Bids will be opened on May 6th. Plans and specifications can be secured from the

office of the Secretary of the Board of Education at 730 Security Building.

LOS ANGELES, CAL.—School, 2 story and base, brick, \$45,000. Architect, W. S. Garrett, Currier Bldg., L. A. Owners, City of Los Angeles. The building will be erected on Logan street near Sunset Boulevard, and will contain eight class rooms and an auditorium. Interior finish will be of pine with maple floors in the class rooms. There will be steam heat, vacuum cleaning system and program clocks. Exterior of the building will be faced with pressed brick. Plans are now being prepared.

LOS ANGELES, CAL.—School, 2 story and base. Class C construction. Cost not stated. Architects, Hudson & Munsell, Stimson Bldg., L. A. Owners, City of Los Angeles. The building will be erected on Staunton avenue and has been designed for an eight-class-room building with a large auditorium. Interior will be finished in pine throughout. Maple floors will be used in the class rooms and auditorium. There will be a central heating system, modern school plumbing, program clocks and vacuum cleaning. Exterior of the building will be faced with pressed brick. Plans are complete and figures are now being taken. Bids will be opened on May 1st.

LOS ANGELES, CAL.—School, 2 story and base, brick. Cost not stated. Architect, Albert C. Martin, Higgins Bldg., L. A. Owners, City of Los Angeles. The building will be erected on Macy street, and has been designed to contain eight class rooms and an auditorium. Pine finish and maple floors will be used throughout. There will be a central heating system. Modern school plumbing, electric work, vacuum cleaning and program clocks will be used. Exterior of the building will be faced with pressed brick. Plans are complete and figures are now being taken. Bids will be opened on May 1st.

SAN GABRIEL, LOS ANGELES CO., CAL.—School, 1 and 2 story and base, hollow tile, \$40,000. Architects, Dennis & Hewitt, Fay Bldg., L. A. Owners, Garvey School District. Details of construction have not been given out. The building will probably contain eight class rooms and assembly hall. A central heating system will be installed. Exterior will be faced with cement plaster. Plans are now being prepared.

LANCASTER, LOS ANGELES CO., CAL.—School, 2 story and base, reinforced concrete, \$27,000. Architect, E. L. Hopkins, Delta Bldg., L. A. Owners, Antelope Valley Union High School District. The building will cover an area of 106 by 66 feet, and will contain departments for domestic science and manual training. Interior will be finished in pine with maple floors in the class rooms. There will be furnace heat and modern school plumbing, vacuum cleaning and program clocks. Exterior will be faced with cement plaster. Plans are complete and figures are being taken. Bids will be opened on May 8th.

SHAFTER, KERN CO., CAL.—School, 1 story and base, frame. Cost not stated. Architect, J. M. Saffell, Fiske

Bldg., Bakersfield. Owners, Richland School District. The building has been designed to contain three class rooms. Interior will be finished in pine. There will be a central heating system. Exterior of the building will be covered with cement plaster on metal lath. Plans are complete and figures are being taken. Bids will be opened on May 6th. Plans and specifications can be secured from the architect.

DELANO, KERN CO., CAL.—School, 1 story and base, brick, \$20,000. Architect, J. M. Saffell, Fiske Bldg., Bakersfield. Owners, Delano School District. The building will contain a number of class rooms and an assembly hall. Interior will be finished in pine. Maple floors will be used in the class rooms. Either a hot air or steam heating system will be installed, bids being called for on both systems. Exterior of the building will be faced with pressed brick. Plans are complete and figures are being taken. Bids will be opened on May 4th. Plans and specifications can be secured from the architect.

GRIDLEY, BUTTE CO., CAL.—School repairs, frame construction. Cost not stated. Architect, none. Owners, Gridley School District. Bids will be opened on May 6th for repairs to the Gridley school building, recently damaged by fire. Plans and specifications for this work can be secured on application to Clerk of the Gridley School District, Gridley, Cal.

FRENCH CAMP, SAN JOAQUIN CO., CAL.—School addition, 1 story, frame, \$4,000. Architect, Ralph P. Morrell, Odd Fellows' Bldg., Stockton. Owners, French Camp School District. Plans are complete and figures will be opened on May 5th for constructing a two-room addition to the present school building. Plans and specifications can be secured from the architect.

Contracts Awarded.

CHATSWORTH, LOS ANGELES CO., CAL.—School, 1 story and base, interlocking tile, \$23,000. Architects, Dennis & Hewitt, Fay Bldg., L. A. Owners, Chatsworth School District. Contractors, Mann & Knox, Delta Bldg., L. A. Contract price, \$23,795.

MARIAN, LOS ANGELES CO., CAL.—School, 1 and 2 story and base, hollow tile, \$35,980. Architects, Dennis & Hewitt, Fay Bldg., L. A. Owners, Marian School District. Contractors, J. W. Morrison & Son, Builders' Exchange, L. A. Contract price, \$35,980.

PUENTE, LOS ANGELES CO., CAL.—School, 3, 1 story and base, brick and hollow tile, \$44,861. Architect, Carroll H. Brown, Stimson Bldg., L. A. Owners, Puente Union School District. Contractors, John Herington and J. A. Weddle, 341 West 51st street, L. A. Contract price, \$44,861.

SEWERS, STREET WORK & WATER SYSTEMS.

McKITTRICK, KERN CO., CAL.—Oil Reservoir. Cost not stated. Engineer, Claude Pearsons, McKittrick. Owners, East Puente Oil Co. The East Puente Oil Co., which operates leases in the north end of the McKittrick District, known as Nos. 1 and 2, this week began the construction of a res-

ervoir with a capacity of 75,000 barrels. The work is being done under the supervision of Claude Pearsons.

PORTERVILLE, TULARE CO., CAL.—Street paving. Cost not stated. Engineer, City Engineer Althouse, Porterville. Owners, City of Porterville. City Engineer Althouse is now preparing plans and specifications for the paving of Ducommon street, E street, F street, Murray avenue and portions of Second and Thurman streets to be constructed in addition to the thirty-three blocks of paving now underway. He is also preparing an estimate of the cost of paving the streets which border the campus of the Porterville Union High School. Residents of East Granito, on which the high school is located, have asked the Council for paving on their streets.

SAN RAFAEL, MARIN CO., CAL.—Road work. Cost not stated. Engineer, County Surveyor, San Rafael. Owners, Marin County. Plans have been completed and figures will be opened on May 4th for grading and straightening that portion of the road known as the Bolinas and Sausalito road from the junction of the Bolinas and San Rafael road at the head of Bolinas Bay southerly along the east side of said bay for a distance of 3.4-10 miles, all in Road Districts Nos 2 and 3. Plans and specifications can be secured from the office of the County Clerk.

RIVERSIDE, RIVERSIDE CO., CAL.—Drainage conduit, \$25,000. Engineer, City Engineer, Riverside. Owners, City of Riverside. The following bids were opened at the last meeting of the City Council for construction of the Market Street-Fairmount Boulevard drainage conduit: Holland Construction Co., San Diego, \$33,937.95; Messmer & Rice, Los Angeles, \$35,925.76; Johnson-Shea Co., Riverside, \$31,949.40; Mlagenovich & Gillespie, L. A., \$23,421.54. All bids have been referred to the City Engineer, who will submit a report at the next meeting of the Council when a contract will be awarded.

SAN JOSE, SANTA CLARA CO., CAL.—Street paving. Cost not stated. Engineer, Milton Maggini, San Jose. Owners, City of San Jose. At the last meeting of the City Council bids were ordered advertised for on the paving of Grant street from First to Delmas avenue. At the same meeting the Council adopted resolutions of intention for the paving of the following streets: Taylor street, First to Thirteenth; First street, San Salvador to San Carlos; William street, Third to Sixteenth; San Carlos, Tenth to Fourteenth.

SALINAS, MONTEREY CO., CAL.—Highway improvement. Cost not stated. Engineer, County Surveyor, Salinas. Owners, Monterey County. Plans are complete and figures will be opened on May 10th for the improvement of the Salinas-Watsonville road; also for the improvement of a portion of the Watsonville-San Juan road. Plans and specifications can be secured from the County Clerk's office.

WILLOWS, GLENN CO., CAL.—Irrigation system. Cost not stated. Engineer, John P. Ryan, Willows. Owners, Willows Irrigation District. John

P. Ryan, a local civil engineer, has announced preliminary plans for irrigating 25,000 acres in the foothills west of Willows with water from Stony Creek. What action will be taken has not yet been made public.

BAKERSFIELD, KERN CO., CAL.—Sewers. Cost not stated. Engineer, City Engineer, Bakersfield. Owners, City of Bakersfield. A petition presented to the City Council some weeks ago, asking that sewers be constructed in blocks 125 and 126, has been acted upon and the City Engineer has been instructed to prepare plans and specifications for the work. Bids will be called for on the completion of plans.

Contracts Awarded.

MONTEREY, MONTEREY CO., CAL.—Sewer work, \$2,085. Engineer, City Engineer, Monterey. Owners, City of Monterey. Contractors, Schuyler & Edwards, Oakland. Contract price, \$2,085.

STORES AND OFFICES.

SAN FRANCISCO—Stores and offices, 8 or 10 story and base. Class A construction, \$500,000. Architects, Reid Bros., California Pacific Bldg., S. F. Owner, H. Merritt, Los Angeles. Only preliminary studies have been made for this building and the architects are withholding the exact location, stating, however, the structure will be erected on one of the prominent vacancies in the heart of the downtown district. Construction will be fireproof throughout with a complete steel frame. The main floor will be occupied by stores, and the upper floors will be arranged for a large number of modern offices. The exterior will be faced with pressed brick and terra cotta. Further details will be given in the course of a week or ten days.

STOCKTON, SAN JOAQUIN CO., CAL.—Store and office alteration, \$15,000. Architect, Glenn Allen, Monadnock Bldg., S. F. Owners, Clark-Henry Co. The Clark-Henry Building in Stockton will undergo extensive alteration and modernization. The work will include rearrangements of interior partitions, new plastering, plumbing, electric work and interior finish. A modern elevator will also be installed. No exterior alteration is contemplated. Plans are complete and figures will be taken the early part of next week.

LOS ANGELES, CAL.—Stores and kee Building Co., Wright and Callender Bldg., L. A. Owner, Dr. W. W. Hitchcock. The building will be erected on the east side of 3rd street and will have a frontage of 50 feet and a depth of 100 feet. There will be two stores on the first floor. Interior will be finished in pine. Patent store fronts and elevator service are specified. Exterior of the building will be faced with pressed brick. Plans are now being prepared.

Contracts Awarded.

ATASCADERO, SAN LUIS OBISPO CO., CAL.—Department store, 3 story and base, reinforced concrete. Cost not stated. Architects, Bliss & Paville, Balboa Bldg., S. F. Owners, Atasendero

Colony. Contractors, F. O. Engstrom Co., 5th and Seaton streets, L. A. Contract price not stated.

THEATRES.

OAKLAND, CAL.—Theatre, 1 story, frame, \$5,000. Architect, J. Henry Boehrner, Dalziel Bldg., Oakland. Owner's name withheld. The building has been designed for a moving picture theatre and will be erected on Telegraph avenue near 41st street. The theatre will have a seating capacity of 250 people. Interior will be finished in pine. There will be special electric work and sheet metal work. Exterior will be covered with cement plaster on metal lath. Plans are now being figured.

SEALED PROPOSALS

PROPOSALS FOR VALVE OUTLETS.

VALVE OUTLETS—Department of the Interior, U. S. Reclamation Service, Washington, D. C.—Sealed proposals will be received at the office of the United States Reclamation Service, 605 Federal Building, Los Angeles, Cal., until 2 o'clock p. m. May 12, 1915, for furnishing needle valve outlets for Roosevelt reservoir, Salt River project, Arizona. For particulars address United States Reclamation Service, Washington D. C., or Los Angeles, Cal. A. P. DAVIS, chief engineer.

PROPOSALS FOR PANAMA SUPPLIES.

PANAMA CIRCULAR 918—Proposals for Sanitary Fixtures, Range Boilers, Steel and Iron Castings, Staybolt Iron, Pig Iron, Bronze Bars, Bronze Wire Netting, Brass Tubing, Door Bolts, Hinges, Door Hooks, Shutter Knobs, Reamers, Files, Hoes, Cant Hook Handles, Magnesia Pipe Covering, Glue, Putty, Sal Soda, Coal Tar, Carbon Bi-Sulphide, Copper Sulphate, Turpentine, Linseed Oil, Benzine, Alcohol, Muriatic Acid, Japan Dryer, Red Lead, White Lead, Lampblack, Paints, Varnish and Yellow Pine Box Car Roofing and Siding.—Sealed proposals will be received at the office of the general purchasing officer, the Panama Canal, Washington, D. C., until 10:30 a. m. May 5, 1915, at which time they will be opened in public, for furnishing the above mentioned articles. Blanks and general information relating to this circular (No. 918) may be obtained from this office or the office of the assistant purchasing agent, 1086 North Point street, San Francisco, Cal.; also from the U. S. engineer offices in the following cities: Seattle, Wash.; Los Angeles, Cal. F. C. BOGGS, major, corps of engineers, U. S. army, general purchasing officer.

PROPOSALS FOR PANAMA SUPPLIES.

PANAMA CIRCULAR 917—Office of the Purchasing Officer Panama Canal, Washington, D. C.—Sealed proposals will be received here until 10:30 a. m. May 1, 1915, for furnishing Steel Plates, Angles, Channels, I Beams, Soft Steel Bars, Bolts, Rivets, Steel Wire, Brass Wire, Electric Cable, Bar Copper, Bronze Bars, Plate Zinc, Twist Drills, Bits, Files, Fire Brick, Oars, Engine Lubricators, Office Chairs and White Oak Lumber. For further information address F. C. BOGGS, major, corps of engineers U. S. army, general purchasing officer.

PROPOSALS FOR BRIDGE WORK.

BRIDGE WORK—Department of the Interior, Washington, D. C.—Sealed proposals will be received at the office of Mark Daniels, general superintendent of national parks, Monadnock Building, San Francisco, Cal., until 2 p. m. Tuesday, May 4, 1915, and then

opened for the furnishing of all labor and material which shall be required for construction of a reinforced concrete bridge over Tahoma Creek in the Mount Rainier National Park, Wash., together with riprap work and road construction in connection with the same, in accordance with plans and specifications for the work, copies of which may be obtained from the supervisor of the park at Ashford, Wash., or from Mr. Daniels. The right is reserved to reject any and all bids. Proposals should be securely enveloped, marked "Proposals for Bridge, Mount Rainier National Park," and addressed to Mark Daniels, general superintendent of national parks, BO SWEE-NEY, assistant secretary.

PROPOSALS FOR CANAL SUPPLIES.

PANAMA CIRCULAR 916—Proposals to Furnish or Erect Structural Steel for Shed on Pier No. 18 at Balboa Terminals.—Sealed proposals will be received at the office of the general purchasing officer, the Panama Canal, Washington, D. C., until 10:30 a. m., May 3, 1915, at which time they will be opened in public for furnishing or furnishing and erecting the above mentioned articles. Blanks and general information relating to this circular (No. 916) may be obtained from this office or the offices of the assistant purchasing agent, 1086 North Point street, San Francisco, Cal.; also from the U. S. engineer offices in the following cities: Seattle, Wash.; Los Angeles, Cal. F. C. BOGGS, major, corps of engineers, U. S. army, general purchasing officer.

PROPOSALS FOR EXCAVATING.

EXCAVATION AND CONCRETE WORK—Department of the Interior, U. S. Reclamation Service, Washington, D. C.—Sealed proposals will be received at the office of the United States Reclamation Service, Great Falls, Mont., until 2 o'clock p. m. April 30, 1915, for construction of structures on the St. Mary storage unit, Milk River project, Montana, involving about 6,000 cubic yards of excavation, 450 cubic yards of concrete and 900 square yards of paving. The work is situated in the Blackfeet Indian Reservation about 40 miles north of Browning, Mont. For particulars address the United States Reclamation Service, Washington, D. C.; Great Falls, Mont., or Babb, Mont. A. P. DAVIS, director and chief engineer.

PROPOSALS FOR EXCAVATING.

EXCAVATION—Department of the Interior, U. S. Reclamation Service, Washington, D. C.—Sealed proposals will be received at the office of the United States Reclamation Service, Malta, Mont., until 2 o'clock p. m. May 12, 1915, for about 95,000 cubic yards of canal excavation. The work is located about 10 miles from the town of Saco, Mont., on the Great Northern Railway. For particulars address the United States Reclamation Service, Washington, D. C.; Great Falls, Mont., or Malta, Mont. A. P. DAVIS, chief engineer.

PROPOSALS FOR PIPE.

PIPE—Department of the Interior, U. S. Reclamation Service, Washington, D. C.—Sealed proposals will be received at the office of the United States Reclamation Service, Los Angeles, Cal., until 2 o'clock p. m. May 4, 1915, for furnishing material and erecting riveted steel pipe for the Strawberry Valley project, Utah. For particulars address U. S. Reclamation Service, 605 Federal Building, Los Angeles, Cal.; Provo, Utah, or Washington, D. C. A. P. DAVIS, director and chief engineer.

PROPOSALS FOR WATER AND SEWER WORK.

WATER AND SEWER WORK—Sealed proposals indorsed "Proposals for Sewer and Water Systems" will be received at the bureau of yards and

docks, Navy Department, Washington, D. C., until 11 o'clock a. m. May 15, 1915, and then and there publicly opened for sewer and water systems at the naval radio station, San Diego, Cal. Plans and specifications can be obtained on application to the bureau or to the commanding officer of the naval coal depot, San Diego, Cal. H. R. STANDFORD, chief of bureau.

NOTICE TO CONTRACTORS.

SEALED BIDS will be received by W. F. McClure, State Engineer, Forum Building, Sacramento, California, up to and including 12 o'clock, noon, Tuesday, May 18, 1915, said bids then and there to be publicly opened and read for furnishing all plant, materials, and labor, and doing the work required for the complete construction and erection of a building to be known as the Model Rural School, Chico State Normal School, Chico, California, in accordance with the plans and specifications therefore, copies of which may be obtained on application to the State Department of Engineering, Sacramento, California.

Such bids will be received for the Entire Work, and must be submitted on forms prepared and furnished by the State Department of Engineering.

Cash, a bidder's bond, or a certified check in the sum of ten per centum (10%) of the amount of the bid must accompany each bid.

A deposit of Ten (\$10.00) Dollars will be required on plans and specifications, the deposit to be returned immediately on the return of the plans and specifications to the State Department of Engineering at Sacramento, California, in good condition.

The State Department of Engineering reserves the right to reject any and all bids and to waive any informality in any bid received.

All bids must be addressed to W. F. McClure, State Engineer, Sacramento, California, and plainly marked on the envelope: "Proposal for Model Rural School, Chico State Normal School, Chico, California."

(Signed) W. F. McCLURE,
State Engineer.

NOTICE TO CONTRACTORS.

OFFICE of Constructing Quartermaster, Fort Mason, Cal., April 19, 1915.—Sealed proposals, in triplicate, for constructing a Storehouse for Combustibles and a Garage for Motor Ambulances at Letterman General Hospital, Presidio of San Francisco, Cal., will be received here until 11 A. M. May 19, 1915, and then opened. Plans, specifications, blanks and necessary information obtained here. Deposit of \$10.00 each required to insure return of plans, etc. Envelopes containing proposals to be enclosed in sealed envelopes and marked Lt. Col. Geo. McK. Williamson, Q. M. C.

PROPOSALS FOR KITCHEN EQUIPMENT.

KITCHEN EQUIPMENT—Sealed proposals indorsed "Proposals for Kitchen Equipment" will be received at the bureau of yards and docks, Navy Department, Washington, D. C., until 11 o'clock a. m. May 1, 1915, and then and there publicly opened, for kitchen equipment at the naval hospital, Pearl Harbor, Hawaii. Plans and specifications may be obtained on application to the bureau or to the commandant of the naval station, Pearl Harbor, Hawaii. H. R. STANFORD, chief of bureau.

NOTICE TO CONTRACTORS.

TREASURY DEPARTMENT, Super-vising Architect's Office, Washington, D. C., April 1, 1915.—SEALED PROPOSALS will be opened in this office at 3 P. M., May 13, 1915, for the construction complete (including mechanical equipment, interior lighting fixtures, and approaches) of the United States Post Office at Park City, Utah. One-story and basement building; ground area, 2,300 square feet; nonfireproof Architect.

NOTICE TO CONTRACTORS.

SEALED BIDS will be received by W. F. McClure, State Engineer, Forum Building, Sacramento, California, up to and including 12 o'clock, noon, Tuesday, May 4th, 1915, said bids then and there to be publicly opened and read for furnishing all plant, materials and labor, and doing the work required for the complete construction and erection of buildings to be known as "Worker's Cottage for Males," "Kitchen Building," and "Power House," Norwalk State Hospital, near Norwalk, California, in accordance with the plans and specifications therefor, copies of which may be obtained on application to the State Department of Engineering, Sacramento, California.

Such bids will be received for the Entire Work, and must be submitted on forms prepared and furnished by the State Department of Engineering.

Cash, a bidder's bond, or a certified check in the sum of ten per centum (10%) of the amount of the bid must accompany each bid.

A deposit of Twenty (\$20.00) Dollars will be required on plans and specifications, the deposit to be returned immediately on the return of the plans and specifications to the State Department of Engineering, at Sacramento, California, in good condition.

The State Department of Engineering reserves the right to reject any and all bids and to waive any informality in any bid received.

All bids must be addressed to W. F. McClure, State Engineer, Sacramento, California, and plainly marked on the envelope: "Proposal for 'Worker's Cottage for Males,' 'Kitchen Building' and 'Power House,' Norwalk State Hospital, near Norwalk, California."

(SIGNED) W. F. McCLURE,
State Engineer. (*)

NOTICE TO CONTRACTORS.

TREASURY DEPARTMENT, U. S. COAST GUARD, Washington, D. C., April 12, 1915.—SEALED PROPOSALS will be received at this office until 2 o'clock P. M., of Wednesday, May 19, 1915, and then publicly opened, for the construction of a Coast Guard Station, Keeper's Quarters, and accessories, a boathouse, launchway, and jetty, on the south side of the channel, at Coos Bay, Oregon.

Specifications and drawings, form of proposal, etc., and full information can be obtained upon application to the Superintendent, 13th District, Coast Guard, San Francisco, California; the Commanding Officer, Northern Division, Pacific Coast, U. S. Coast Guard, Seattle, Washington; the Keeper, Coos Bay Coast Guard Station, Empire, Oregon, or to this office. E. P. BERTHOLF, Captain Commandant. (*)

PAINTS AND VARNISHES IN COLOMBIA.

[Consul Ross Hazelstine, Cartagena, Dec. 18.]

American paints, varnishes, and stains now enjoy about 45.5 per cent of the total trade in these articles in this consular district. There is no domestic production, but the import trade is considerably lessened by the extensive use of a cold-water preparation of lime, either plain, white, or colored.

Almost all buildings here are constructed of brick with a concrete or plaster facing, or of concrete. In both styles, however, a coating of white-wash or colored lime mixture in vivid shades is usually applied to the exteriors. The roofs are of tile or galvanized iron; the latter is usually painted red. The interiors of the houses are calcimined or whitewashed. The floors are of tile or pitch-pine wood and are not painted. The domestic preparations are very cheap, but neither lasting nor satisfactory. In a few months the colored lime preparation peels off under the trop-

ical sun and the interior finishes rub off and become stained with moisture.

American paints and varnishes have become well established through their excellence and moderate prices. The following kinds of paints are in most general use or are capable of introduction: Oil paints (including prepared house paints); metal-preservative paints; heat, insect, and damp-resisting paints; cold-water calcimines; cement paint; brick paint; metal-roofing paints. Varnishes and stains are in less demand and are not properly pushed.

The import duty on others is \$0.05 per kilo (\$0.023 per pound) and on other paints and varnishes, \$0.10 per kilo (\$0.045 per pound). The duties are leviable on gross weight. Prices range about 10 per cent higher than in the United States plus transportation and customs duties.

[A list of the principal importers in Cartagena may be obtained from the Bureau of Foreign and Domestic Commerce or its branch offices.]

RICHMOND FACTORIES MAKE ANILINE DYES.

RICHMOND, CAL.—The Richmond Chemical works has started the manufacturing of aniline dyes and synthetic perfumes, heretofore made only in Germany. The California oil has the proper base for this manufacture. The Standard Oil Company is also said to be ready to start on this line, its chemist having made favorable reports, but its officials refuse to give any details.

AGREEMENT ON ELECTRICAL STANDARDS.

[Consul General Robert P. Skinner, London, England, Mar. 26.]

For several weeks delegates from the American Institute of Electrical Engineers have been in London in consultation with the electric panel of the British Standards Committee for the purpose of effecting an understanding in the matter of electrical standards for machinery. After considerable discussion the joint committee is in practical agreement, and the American Institute of Electrical Engineers will meet in June to ratify the agreement and to give it official effect.

It is rightly regarded in electrical manufacturing circles as a matter of the utmost importance that the United States and Great Britain should adopt common standards, and it is hoped that in consequence of this agreement it will not be long before the standards adopted are accepted by manufacturers throughout the world.

RICHMOND'S NEW FACTORIES.

RICHMOND, CAL.—This city is continually obtaining new factories. The Giant Valve and Manufacturing Company's plant and the Western Carbon Works are the latest. The carbon factory, after successful tests, is making hard carbon, such as formerly was only made in Germany. It is erecting more kilns and adding to its buildings. The Giant Valve Company is the only one west of Chicago making valves and plumbers' and pipe line fittings.

ADVANCE NEWS

Classified according to Location

SAN FRANCISCO.

RESIDENCES—2, 2 story and base, frame. Cost not stated. San Francisco. Architect, none. Owner, Mr. Anderson, Monadnock Bldg. Phone, Garfield 1329. Mr. Anderson has recently purchased several lots in the Sunset District on which he will build attractive homes for sale. The two houses for which figures are now being taken will each contain six rooms and bath. Interiors will be finished in pine and redwood. Hardwood floors will be used in the living rooms, dining rooms and reception halls. There will be open fire places and tile or brick mantels. Tile wainscot will be used in the bath room and kitchen. Automatic water heaters are specified. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are in the hands of the owner who is now taking subfigures for the work.

RESIDENCE—1½ story and base, frame, \$3,500. San Francisco. Architects, Fabre & Bearwald, Merchants' National Bank Bldg., S. F. Owner, E. A. Barelles. The dwelling will be erected in the Bay View District and has been designed to contain six rooms, bath and sleeping porch. Interior finish will be of pine and redwood with some elm panels. Hardwood floors will be used in the living room and dining room. There will be an open fire place with tile or brick mantel. Bath room will have tile wainscot and floors. An automatic water heater will be installed. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are now being prepared.

RESIDENCE — 1½ story and base, frame, \$2,000. San Francisco. Architect, Wm. Davis, 536 28th avenue. Owners, Webb & Davies, 536 28th avenue, S. F. The dwelling will be erected on the east side of 24th avenue north of Anza, and has been designed to contain five rooms and bath. Interior finish will be of pine and redwood throughout. Some hardwood floors are specified. A large open fire place with tile or brick mantel will be a feature of the living room. Bath room and kitchen will have imitation tile wainscot. An automatic water heater will be installed. Exterior of the dwelling will be covered with rustic and cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor.

RESIDENCE — 2 story and base, frame \$5,000. San Francisco. Architect, none. Owner, J. Holmes Wade. Crocker Bldg., S. F. The dwelling will be erected on the east side of Pacheco street east of Alton in the Forest Hill District, and has been designed to contain eight rooms, two baths and sleeping porch. Interior will be finished in pine and redwood with some hardwood veneer and white enamel in the

bed rooms. There will be hardwood floors throughout. Plans provide for furnace heat and open fire places. An automatic water heater will be installed. Mantels will be of tile and brick. Bath rooms will be finished in tile. Exterior of the dwelling will be covered with rustic and cement plaster on metal lath. Plans are now being prepared.

RESIDENCE — 2 story and base, frame, \$3,000. San Francisco. Architect, O. E. Evans Co., Inc., 2861 Mission street S. F. Owner, Emil Nelson, 244 Rivoli street. The dwelling will be erected on Florida street north of Army and has been designed to contain six rooms, bath and sleeping porch. Interior finish will be of pine and redwood with some elm panels. Hardwood floors will be used in the living room and dining room. There will be open fire places and tile or brick mantels. Tile wainscot will be used in the bath room and kitchen. An automatic water heater is specified. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor. Materials are now being purchased.

BUNGALOW — 1 story and base, frame, \$2,000. San Francisco. Architects, Fabre & Bearwald, Merchants' National Bank Bldg., S. F. Owner, F. Nadal. The dwelling will be erected in the Bay View District, and has been designed to contain five rooms and bath. Interior finish will be of pine throughout. Some hardwood floors will be used. There will be an open fire place and tile or brick mantel. Imitation tile wainscot will be used in the bath room. Exterior of the house will be covered with rustic and shingles. Plans are complete and figures are now being taken.

RESIDENCE — 2 story and base, frame, \$6,000. San Francisco. Architect, none. Owner, James Welsh, 244 24th avenue, S. F. The dwelling will be erected on the west side of 10th avenue south of Anza street, and has been designed to contain eight rooms, two baths and sleeping porch. Interior finish will be of pine and redwood with some elm panels. Bed rooms will be finished in white enamel. Hardwood floors will be used in the principal rooms. Plans provide for furnace heat and open fire places. Mantels will be of tile and brick. Bath rooms will be finished in tile. An automatic water heater will be installed. Exterior of the dwelling will be covered with cement plaster on metal lath. The basement has been arranged for a private garage. Plans are complete and in the hands of the owner who will do the work by Day Labor. Materials are now being purchased.

RESIDENCES—2, 2 story and base, frame, \$9,000 each. San Francisco. Architects, Faich & Knoll, Hearst

Bldg., S. F. Owners, Eisenback Co. These two dwellings will be erected on Cherry street near Sacramento, and have been designed to contain eight rooms, two baths and sleeping porch. The basements will be finished for private garages. Interiors of the dwellings will be finished in pine, redwood, hardwood and white enamel. Hardwood floors will be used throughout. There will be furnace heat and open fire places. Mantels will be of tile and brick. Bath rooms will be finished in tile and equipped with high-grade plumbing fixtures. Automatic water heaters will be installed. Exteriors will be covered with cement plaster on metal lath. Plans are complete and figures are now being taken.

APARTMENT HOUSE—4 story and base, brick and steel, \$32,000. San Francisco. Architect, W. F. Gunnison. Nevada Bank Bldg., S. F. Owner's name withheld. The building will be erected on Sutter street near Hyde, covering an area of 55 by 120 feet. The interior has been arranged for fourteen apartments of three and four rooms each with private baths. Interior finish will be of pine and hardwood. Hardwood floors will be used in the living room and dining room. Plans provide for steam heat and automatic elevator, hot water supply and vacuum cleaning. Bath rooms will be finished in tile with composition floors. Marble and tile wainscot will be used in the entrance. The lobby will be finished in the Empire style. Wall beds are specified. Exterior of the building will be faced with pressed brick trimmed with ornamental terra cotta. Plans are complete and figures are being taken.

CITL HALL GLASS AND GLAZING—Cost not stated. San Francisco. Architects Bakewell & Brown, 251 Kearny street, S. F. Owners, City and County of San Francisco. Bids opened at the last meeting of the Board of Public Works for the glass and glazing on the new City Hall show W. P. Fuller & Co. low on the three propositions as follows: Proposition No. 1, \$19,431; proposition No. 2, \$2,365; proposition No. 3, \$21,796. Contract has not been awarded. Further mention will be made of this work.

WAREHOUSES—2, 1 story, reinforced concrete. Cost not stated. San Francisco. Engineer, Constructing Quartermaster, Fort Mason. Owners, U. S. Government. Plans have been completed for the construction of two warehouses, at the Letterman General Hospital. One will be designed for an ordinary warehouse while the other has been designed for a warehouse for combustibles. Exterior will be covered with cement plaster. The work includes modern electric wiring and plumbing. Plans are complete and figures are now being taken. Bids will be opened on May 19th. An of-

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Plans are now being prepared.

FLATS—3 story and base, frame, \$8,000. San Francisco. Architect, Edward E. Young, 251 Kearny street, S. F. Owner, Edward E. Young. The building will be erected on the east side of Divisadero north of Fell street, covering an area of 25 by 61 feet. There will be three modern flats of five and six rooms. Interiors will be finished in pine and elm panels. Hardwood floors will be used in the living rooms dining rooms and reception halls. There will be open fire places and tile or brick mantels. Bath rooms will be finished in tile. Automatic water heaters are specified. Exterior of the building will be covered with shiplap with a brick veneer base. Plans are complete and the work will be done by Day Labor.

ROAD WORK—Macadam and concrete, \$16,554 and \$9,372. San Francisco. Engineer, Constructing Quartermaster, Fort Mason. Owners, United States Government. Bids for the construction of two pieces of road in the Presidio have been opened. The Sunset Construction Co. is low on the macadam road from Lobos Creek to Battery Chamberlain at \$16,554, and D. L. Bienfield & Co. low at \$9,372 for the concrete road from the Marine Hospital to the new stable site. These contracts will be awarded shortly.

Contracts Awarded.

HEATING PLANTS ON PIERS — \$2,077 and \$1,357. San Francisco. Engineer, Assistant State Engineer Newman, Ferry Bldg., S. F. Owners, State of California. Contractor, J. E. O'Mara,

ter, Fort Mason. Owners, U. S. Government. Bids opened by the Constructing Quartermaster at Fort Mason for the construction of a crib wall at Fort Winfield Scott show Pringle, Dunn & Co. low at \$1,295. They will probably be awarded the work. A complete list of the bids received will be found under the heading of San Francisco in this issue.

RESIDENCE — 1½ story and base, frame, \$2,500. San Francisco. Architect, none. Owners, Oscar Heyman & Bros., 742 Market street, S. F. The building will be erected on the east side of 34th avenue north of Fulton, and has been designed for a five room house. Interior finish will be of pine and redwood. Hardwood floors will be used in the living room and dining room. An open fire place with tile or brick mantel is specified. An automatic water heater will be installed. Bath room will have tile wainscot. Exterior of the building will be covered with rustic and shiplap. Plans are complete and in the hands of the owners who will do the work by Day Labor. Materials are now being purchased.

STORES AND OFFICES — 8 or 10 story and base. Class A construction, \$500,000. San Francisco. Architects, Reid Bros., California Pacific Bldg., S. F. Owners, H. Merritt, Los Angeles. Only preliminary studies have been made for this building and the architects are withholding the exact location, stating however the structure will be erected on one of the prominent vacancies in the heart of the downtown district. Construction will be fireproof throughout with a complete steel frame. The main floor will be occupied by stores and the upper floors will be arranged for a large number of modern offices. The exterior will be faced with pressed brick and terra cotta. Further details will be given in the course of a week or ten days.

APARTMENT HOUSE—4 story and base. Class C construction, \$72,000. San Francisco. Architects, O'Brien Bros. 240 Montgomery street, S. F. Owner's name withheld. The building will be erected on Bush street and will have a frontage of 69 feet by a depth of 137½ feet. There will be a total of 80 rooms arranged in 25 suites of two rooms and 10 suites of three rooms. All apartments will have wall beds and private bath rooms. Interior will be finished in pine and hardwood veneer. Hardwood floors will be used in the living rooms and dining rooms. Plans provide for steam heat, an automatic elevator, dumb waiters and hot water supply. Bath rooms will be finished in tile with composition floors. Ornamental plaster and imported tapestries will be used in the lobby. Marble and tile wainscot are specified. Exterior of the building will be faced

ficial proposal appears in another column of this issue.

FACTORY—1 story, frame and corrugated iron, \$5,000. San Francisco. Architect, none. Owners, Pacific Coast Salt Works, Crocker Bldg., S. F. The building will be erected on Utah street south of 14th, covering an area of 125 by 100 feet. No interior finish is specified. Exterior of the building will be covered with rustic. Corrugated iron roof is specified. Plans are complete and in the hands of the owners who will do the work by Day Labor. Materials are now being purchased.

FLATS—2 story and base, frame, \$7,500. San Francisco. Architects, Fabre & Bearwald, Merchants' National Bank Bldg. S. F. Owner, Jules Marty. The building will be erected on Shotwell street between 25th and 26th streets, and has been designed to contain two modern flats of five and six rooms. Interior finish will be of wood floors will be used in the living room, dining room and reception hall. There will be open fire places with tile or brick mantels. Bath rooms and kitchens will be finished in tile. Automatic water heaters are specified. The exterior of the building will be covered with cement plaster on metal lath. Plans are now being prepared.

FLATS—2 story and base, frame, \$4,000. San Francisco. Architect, E. A. Neumarkel, Sharon Bldg., S. F. Owner, Mrs. Wilhelmina Forest. The building will be erected on the south side of California street east of Pierce, covering an area of 22-6 by 69 feet, and has been designed to contain three flats with a garage in the basement. Interior finish will be of pine and redwood with some hardwood veneer. Hardwood floors will be used in the living rooms, dining rooms and reception halls. Each living room will have a large open fire place with tile or brick mantel. Bath rooms will be finished in tile. Automatic water heaters are specified. Exterior of the building will be faced with cement plaster on metal lath. Plans are complete and figures have been taken. A contract will be awarded this week.

GARAGE—1 story and base, brick, \$6,000. San Francisco. Architect, none. Owner, John J. McElroy, 1637 Golden Gate avenue S. F. The building will be erected on the south side of Natoma street west of First street, covering an area of 41 by 80 feet, and has been designed for a commercial garage. A cement floor will be used. Interior finish will be of pine. Special electric work and gasoline storage tanks are specified. Exterior of the buildings will be covered with pressed brick. Plans are now being prepared and figures will be taken by the owner.

CRIB WALL—\$1,295. San Francisco. Engineer, Constructing Quartermas-

S. F. Contract price for plants on Piers Nos. 16 and 18 \$2,007. Contract price on Wells Fargo Pier \$1,157.

FLAT ALTERATION Frame construction, \$2,350. San Francisco. Architect, none. Owners, C. and H. Marker. The building located at the southeast corner of Jackson and Webster streets will undergo alterations. The work will include new interior trim, hardwood floors, electric work, plastering and plumbing. Plans are in the hands of S. Saari, 109 Fulton street, who will superintend the work.

City Bids Opened

The following bids were opened by the Board of Public Works at the Wednesday afternoon meeting:

Glass and Glazing for New City Hall Building.

California Plate & Window Glass Co., Prop. No. 1, \$20,470; Prop. No. 2, \$2,000; Prop. No. 3, \$22,470.

Munich Art Glass Co., Prop. No. 1, \$—; Prop. No. 2, \$2,505; Prop. No. 3, \$—.

W. P. Fuller & Co., Prop. No. 1, \$19,431; Prop. No. 2, \$2,365; Prop. No. 3, \$21,796.

Bids For Crib Wall At Fort Scott.

Pringle, Dunn & Co. Will be Awarded Contract For Construction Work at Fort Winfield Scott.

The following bids were opened in the office of the Constructing Quartermaster at Fort Mason for the construction of a crib wall at Fort Winfield Scott:

Pringle, Dunn & Co.....	\$1,295
F. Wagner	1,300
E. Frank	1,449
John Monk	4,800
Healy, Tibbitts Constr. Co...	4,700

Building Contracts Awarded.

San Francisco

No.	Owner.	Contractor	Amt.
1169	Hanlon	Palmer	32000
1170	McCreary	Nelson	5000
1171	Hayden	Hayden	3200
1172	Reardon	Draszich	2000
1173	Nelson	Nelson	2500
1174	Peterson	Peterson	4750
1175	Ackerman	Wallen	4295
1176	Tennyson	Stiefel	3475
1177	Shapiro	Hinson	12954
1178	United States	O'Neill	9772
1179	Kruse	Wengard	9760
1180	Wright	Buitenkamp	2050
1181	Cramer	Skelly	2975
1182	Same	Atlas	1290
1183	Gassner	McMullen	34100
1184	Cady	Anderson	1230
1185	Muro	Comsky	1432
1186	Lamont	Harper	1000
1187	Pontana	Fontana	400
1188	Davies	Davies	2000
1189	Jones	Jones	2500
1190	Cronin	Cronin	2750
1191	Pacific Coast Salt	Owner	2500
1192	Hinton	Bedell	1886
1193	Smith	Nelson	2784
1194	Dezirelle	McIntosh	7800
1195	Mangot	Cramer	3310
1196	Shaughnessy	Carson	9300
1197	Acad'y Science	West	4132
1198	Gassner	McGowan	4250
1199	Same	Perazzi	1827
1200	Same	Leaf	2281
1201	Lamont	Harper	1096
1202	Traders' Bldg	Day	1500
1203	Yates	Yates	3900

1204	Same	Same	3900
1205	Same	Same	3900
1206	Same	Same	3900
1207	Shannon	Superior	400
1208	Ganz	Ganz	150
1209	Beatty	Beatty	1500
1210	S F Bldg	Anderson	600
1211	Buckbee	Swenson	500
1212	Schlen	Schlen	400
1213	Newnhan	Grahn	800
1214	Maguire	Maguire	400
1215	Low	Ratto	400
1216	Foppiano	Foppiano	400
1217	Bennett	Bennett	1000
1218	Welsh	Welsh	6000
1219	Kelly	Ellert	400
1220	Holst	Rushton	450
1221	Nelson	Nelson	3000
1222	Finn	Binet	6600
1223	Sandersfeld	Erz	1130
1224	Morris	Day	6880
1225	Texas	Strehlow	10000
1226	S P	MacDonald	13583
1227	Ganz	Crothers	4910
1228	Hurst	Johnston	3989
1229	Phelan	Floodberg	3675

CONCRETE GARAGE

(1169) NW ST. GEORGE ALLEY & Bush. Three-story and basement concrete garage.

Owner.....Chas. F. Hanlon, Phelan Bldg., San Francisco.
Architect...O'Brien Bros., 200 Clunie Bldg., San Francisco.
Contractor..P. A. Palmer, Monadnock Bldg., San Francisco.

COST, \$32,000

ALTERATIONS

(1170) N PINE 87-6 W Sansome. Erect pent house and pergola on roof, frame of steel roof of reinforced concrete, walls of hollow tile and wood floor.

Owner.....Andrew B. McCreery Est. Co., 221 Sansome, S. F.
Architect...Chas. Peter Weeks, 1105 Mutual Bank Bldg., S. F.
Contractor..N. F. Nielsen, 180 Jessie, San Francisco.

COST, \$5000

FRAME DWELLING

(1171) E SEVENTEENTH AVE 32-2 S Riviera. Two-story frame dwlg. Owner.....E. R. Hayden, 749 Phelan Bldg., San Francisco.
Architect...Arthur J. Scholz, 839 Phelan Bldg., S. F.

Day's work. COST, \$3200
NOTE: Nearly completed.

FRAME LAUNDRY

(1172) W BRODERICK 75 N Oak. Two-story frame laundry building. Owner.....M. A. Reardon, 315 Broderick, S. F.

Architect...E. P. Antonovich, Monadnock Bldg., S. F.
Contractor..Jos. Draszich.

COST, \$2000

FRAME DWELLING

(1173) W TWENTY-SEVENTH AVE and Irving. Two-story and basement frame dwelling. Owner....J. F. Nelson, 30 Presidio Terrace, San Francisco.

Architect...None.
Day's work. COST, \$2500

FRAME FLATS

(1174) W SIXTEENTH AVE 228-11 N Clement. Two-story and basement frame (2) flats. Owner.....Elizabeth Peterson, 765 11th Ave., S. F.
Architect...None.

Contractor..Gustave Peterson, 765 11th Ave., S. F.
COST, \$4750

FRAME FLATS

(1175) W DIAMOND 75 N 19th N 25x W 125 H A 207. All work for two-story frame (2) flats.

Owner.....Mrs. B. Ackerman, 224 Diamond, S. F.
Architect...O'Brien Bros., 240 Montgomery, San Francisco.

Contractor..A. M. Wallen, 251 Kearny San Francisco.

Filed Apr. 17, '15. Dated Apr. 15, '15.
Enclosed ready for roofing...\$1073.76
Brown coated 1073.75
Completed and accepted.... 1073.75
Usual 35 days..... 1073.75
TOTAL COST, \$4295.00

Bond, none. Limit, 90 days. Forfeit, \$5. Plans and specifications filed.

FRAME FLATS

(1176) S GREENWICH 110 W Devisadero W 40xS 137-6. All work for one story and basement frame flats.

Owner.....B. Tennyson, 2631 Greenwich, San Francisco.
Architect...None.

Contractor..John V. Stiefel, 739 11th Ave., San Francisco.

Filed Apr. 17, '15. Dated Apr. 15, '15.
Frame up\$868
Brown coated 869
Completed 869
Usual 35 days..... 869
TOTAL COST, \$3475

Bond, \$1738. Sureties, J. J. Powers & Philip Boien. Limit, 100 days from April 15, 1915. Forfeit, none. Plans and specifications filed.

FRAME APARTMENTS

(1177) NE HARRIET 150 SE Howard SE 50xNE 75. All work for two 3-story frame apartments.

Owner.....B. Shapiro, 935 Market, San Francisco.

Architect...Bernard J. Joseph, New Call Bldg., S. F.

Contractor..L. A. Hinson, 180 Jessie, San Francisco.

Filed Apr. 17, '15. Dated Apr. 1, '15.
Roof boarding and sheathing at front on\$1500
Enclosed except front, roof on and ready for lathing..... 2250
Plastering done, exterior primed and sash glazed and hung..... 2750
Completed and accepted..... 3214
Usual 35 days..... 3240
TOTAL COST, \$12,954

Bond, \$6480. Surety, The Aetna Accident & Liability Co. Limit, 110 days. Forfeit, \$8. Plans and specifications filed.

BOAT HOUSE

(1178) NEAR FORT POINT on Presidio Reservation. All work for erection of coast guard boat house and accessories.

Owner.....United States.
Architect...None.

Contractor..Daniel O'Neill, 278 Natoma, San Francisco.

Filed Apr. 19, '15. Dated Mar. 26, '15.
One-third contract when 50% of work done
One-third when 85% completed...
One-third on completion and acceptance

Work guaranteed for 1 year \$300 withheld until expiration of guarantee

TOTAL COST, \$9772
Bond, none. Limit, June 1, 1915. Forfeit, \$5. Plans and specifications, none

FRAME BUILDINGS

(1179) N COLLEGE TERRACE 100 W

Mission N 52-9xW 100. All work for 4 one and one-half-story frame buildings.

Owner.....J. H. Kruse, 23rd and Shotwell, San Francisco.

Architect...Jos. M. Geary, 2581 Post, San Francisco.

Contractor...C. Wengard, 3638 Judah, San Francisco.

Filed Apr. 19, '15. Dated Apr. 17, '15.

Frame 1st building up.....\$ 610

Frame 2nd building up..... 610

Frame 3rd building up..... 610

Frame 4th building up..... 610

1st house brown coated..... 610

2nd house brown coated..... 610

3rd house brown coated..... 610

4th house brown coated..... 610

1st house accepted..... 610

2nd house accepted..... 610

3rd house accepted..... 610

4th house accepted..... 610

Usual 35 days after acceptance

of 4 houses 2440

TOTAL COST, \$9760

Bond, limit, forfeit, none. Plans and specifications filed.

ALTER RESIDENCE

(1180) NOS. 2840-2842 BUCHANAN.

All work for alterations to frame residence.

Owner.....Francis & Bertha Wright, Premises.

Architect...Chas. F. Whittlesey, 555 Clayton, S. F.

Contractor...Buitenkamp & Gyselman.

Filed Apr. 19, '15. Dated Apr. 19, '15.

Payments semi-monthly as work progresses

30 days after 25%

TOTAL COST, \$2050

Bond, none. Limit, July 1, 1915. For-

feit, \$10. Plans and specifications filed

PLUMBING, GAS FITTING, ETC.

(1181) E HYDE 102-6 S Turk E 137-6

xS 35. Plumbing, gas fitting and

sewering and hot water system for

three-story and basement reinforced

concrete apartment building.

Owner.....O. A. Craemer, Los Gatos, California.

Architect...Koenig & Christiansen,

750 Parnassus Ave., S. F.

Contractor...Thomas Skelly, 2826 24th,

San Francisco.

Filed Apr. 20, '15. Dated Apr. 10, '15.

Completely roughed in.....\$1000

Completed and accepted..... 1225

Usual 35 days..... 750

TOTAL COST, \$2975

Bond, \$1500. Sureties, Louis Skelly and

Jno. S. Purcell. Limit, 60 days. For-

feit, \$10. Plans and specifications filed

(1182) STEAM HEATING SYSTEM,

hot water tank and heater, oil burn-

ing plant and fuel oil tank on above.

Contractor...Atlas Heating & Ventilat-

ing Co., Inc., 4th & Free-

lon, San Francisco.

Filed Apr. 20, '15. Dated Apr. 13, '15.

Roughed in\$320

Completed and accepted..... 640

Usual 35 days..... 330

TOTAL COST, \$1290

Bond, \$645. Sureties, E. V. Lacey and

C. M. Nutting. Limit, 90 days. For-

feit, \$10. Plans and specifications filed.

CONCRETE GARAGE

(1183) E STOCKTON 137-6 S Bush 64

on Stockton by 137-6. All work for

two-story and basement concrete

garage.

Owner.....Louis Gassner, 112 Geary, San Francisco.

Architect...Smith & Stewart, 244

Kearny, San Francisco.

Contractor...McMullin & von Voorhies

Co., 110 Jessie, S. F.

Filed Apr. 20, '15. Dated Apr. 14, '15.

Grading, bulkheading and shor-

ing completed\$5115

Basement walls and 1st story

floor poured 5115

1st story walls and 2nd story

floor poured 5115

2nd story walls and roof poured 5115

Completed and accepted..... 5115

Usual 35 days..... 8525

TOTAL COST, \$34,100

Bond, \$17,050. Surety, Massachusetts

Bonding & Insurance Co. Limit, 100

days. Forfeit, none. Plans and speci-

fications filed.

ALTERATIONS

(1184) SW BAKER and GREEN-

wich. All work for alterations and

additions to two-story frame bldg.

Owner.....Mary E. Cady, 2733 Green-

wich, San Francisco.

Architect...C. O. Clausen, Hearst Bldg

San Francisco.

Contractor...A. N. Anderson.

Filed Apr. 20, '15. Dated Apr. 20, '15.

Rat proofing, rough carpenter

and rough floor laid.....\$307.50

Finish coat plaster on..... 307.50

Completed and accepted..... 307.50

Usual 35 days..... 307.50

TOTAL COST, \$1230.00

Bond, none. Limit, 35 days. Forfeit,

\$5. Plans and specifications filed.

FRAME FLATS

(1185) W NOE 125 N 18th N 25xW

125. All work for three-story frame

flats now standing in an incomplete

condition.

Owner.....Emma Munro, 472 Noe,

San Francisco.

Architect...Sidney B. Newsom, Nevada

Bank Bldg., S. F.

Contractor...D. A. Comisky and D. W.

Ross (as Comisky & Ross).

Filed Apr. 20, '15. Dated Apr. 16, '15.

Lower flat completed.....\$344.20

White coat plaster on, ext' lor

and interior mill work in place

in 2 flats 344.15

On completion 344.15

Usual 35 days..... 400.00

TOTAL COST, \$1482.50

Bond, \$725. Surety, Aetna Accident &

Liability Co. Limit, 40 days. Forfeit,

\$5. Plans and specifications filed.

ALTERATIONS

(1186) NOS. 1477-1479 GUERRERO.

Alterations and additions to dwlg.

Owner.....James Lamont, 3330 23rd

Ave., San Francisco.

Architect...None.

Contractor...W. Harper, 431 Holly

Park Circle, S. F.

COST, \$1000

ADDITION

(1187) NO. 63 SANTA MARINA. Add

one room and alter dwelling.

Owner.....M. P. Fontana, Premises.

Architect...None.

Day's work. COST, \$400

FRAME DWELLING

(1188) E TWENTY-FOURTH AVE

125 N Anza. One and one-half-story

Owner.....Webb & Davies, 536 28th

and basement frame dwelling.

Ave., San Francisco.

Architect...None.

Contractor...Wm. Davies, 536 28th Ave

San Francisco.

COST, \$2000

FRAME DWELLING

(1189) W TWENTY-NINTH AVE 275

S Anza. Two-story and basement

frame dwelling.

Owner.....Morris J. Jones, 37 Guer-

rero, San Francisco.

Architect...None.

Day's work. COST, \$2500

FRAME DWELLING

(1190) N TWENTY-NINTH 71 W San-

chez. Two-story and basement

frame dwelling.

Owner.....M. A. Cronin, 403 29th,

San Francisco.

Architect...E. J. Rogers, Kohl Bldg.,

San Francisco.

Contractor...J. A. Cronin, 403 29th,

San Francisco.

COST, \$2750

FRAME FACTORY

(1191) W UTAH 125 S 14th. One-

story frame factory.

Owner.....Pacific Coast Salt Works,

905 Crocker Bldg., S. F.

Architect...None.

Day's work. COST, \$2500

FRAME RESIDENCE

(1192) E PRESIDIO AVE 150 S Cali-

fornia S 25xE 100. All work except

light fixtures, plumbing fixtures,

shades and finish hardware for one-

story frame residence.

Owner.....Elma Hinton, 1142 Val-

encia, San Francisco.

Architect...Ernest M. Essmann, 3805-

A 24th St., San Francisco.

Contractor...Louis J. Deibel.

Filed Apr. 21, '15. Dated Mar. 25, '15.

Brown coated\$682

Completed 682

Usual 35 days..... 455

TOTAL COST, \$1820

Bond, none. Limit, 60 days. Forfeit,

none. Plans and specifications filed.

FRAME BUILDING

(1193) SE JERSEY & VICKSBURG in

rear of Lot. All work for two-story

and basement frame building.

Owner.....George D. and Rose Smith,

64 Richland Ave., S. F.

Architect...None.

Contractor...Jacob F. Nielsen, 2850

Bryant, San Francisco.

Filed Apr. 21, '15. Dated Apr. 19, '15.

Rough frame up.....

Rough plaster on.....

Completed and accepted.....

Usual 35 days.....

TOTAL COST, \$2784

Bond, \$1392. Surety, American Surety

Co. Limit, 70 days after April 26.

Forfeit, none. Plans and specifications

filed.

FRAME FLATS

(1194) S CHESTNUT 162-6 E Buchan-

an S 30xS 120 W A 248. All work

except mantels, shades, lighting fix-

tures and finish hardware for three-

story frame flats.

Owner.....Antone and Jno. Dezirello,

1847 Union, San Francisco.

Architect...Paul F. De Martini, 2123

Powell, San Francisco.

Contractor...Wm. McIntosh, 289 Cum-

berland, San Francisco.

Filed Apr. 21, '15. Dated Apr. 19, '15.
 Frame up and sheathing on...\$1950
 Brown coated 1950
 Completed and accepted..... 1950
 Usual 35 days..... 1950
 TOTAL COST, \$7800
 Bond, \$3900. Sureties, R. Read and Wm. Smith. Limit, none. Forfeit, \$5.
 Plans and specifications filed.

FRAME COTTAGE

(1195) S JOHN 114-6 E Mason 23x60.
 All work for one-story frame cottage
 Owner.....Chas. Mangeot, 21 John,
 San Francisco.
 Architect...None.
 Contractor...O. A. Craemer, 110 Jessie,
 San Francisco.

Filed Apr. 22, '15. Dated Apr. 21, '15.
 Frame up\$577.50
 Brown coated 577.50
 Completed and accepted..... 577.50
 Usual 35 days..... 577.50
 TOTAL COST, \$2310.00

Bond, \$1200. Sureties, Thos. L. Comyns and Chas. J. McDonnell. Limit, 60 days
 Forfeit, none. Plans and specifications filed.

FRAME APARTMENTS

(1196) S TWENTY-FIFTH 100 W Guerrero S 86xW 25. All work for three-story frame apartments.
 Owner.....Mrs. Ida C. Shaughnessy, 1647 McAllister, S. F.
 Architect...None.
 Contractor...E. A. F. Carson, 4323 19th, San Francisco.

Filed Apr. 22, '15. Dated Apr. 21, '15.
 Frame up\$2325
 Brown coated 2325
 Completed and accepted..... 2325
 Usual 35 days..... 2325
 TOTAL COST, \$9300

Bond, none. Limit, 120 days. Forfeit, none. Plans and specifications filed.

BOOK STACKS, ETC.

(1197) IN GOLDEN GATE PARK.
 All work for steel standing bracket book stacks for Museum.
 Owner...California Academy of Sciences.
 Architect...None.

Contractor...M. G. West Co., 353 Market San Francisco.

Filed Apr. 22, '15. Dated Apr. 21, '15.
 50% of total price when all equipment for book stacks arrives f. o. b. car, San Francisco.....
 25% of total on completion and acceptance
 Usual 35 days..... 25%
 TOTAL COST, \$4132

Bond, \$2666. Surety, Royal Indemnity Co. Limit, 100 days. Forfeit, none. Plans and specifications filed.

BRICK WORK FOR HOTEL

(1198) E STOCKTON, bet. Sacramento and Clay. Brick work for four-story hotel and store building.
 Owner.....Louis Gassner, 112 Geary, San Francisco.
 Architect...D. J. Patterson, 57 Post, San Francisco.

Contractor...McGowan & Butler, 180 Jessie, San Francisco.

Filed Apr. 22, '15. Dated Apr. 8, '15.
 Progressive payments of..... 75%
 Usual 35 days..... 25%
 TOTAL COST, \$4250

Bond, \$2150. Surety, The Aetna Accident & Liability Co. Limit, 60 days.

Forfeit, none. Plans and specifications filed.

(1199) PLUMBING, SEWERAGE, GAS and water piping on above.

Contractor...H. J. Perazzi, 2237 Leavenworth, San Francisco.

Filed Apr. 22, '15. Dated Apr. 10, '15.
 Payments same as above.....

TOTAL COST, \$1827
 Bond, \$925. Sureties, John S. Phillips and F. Rolandi. Limit, forfeit, none. Plans and specifications filed.

(1200) PLASTERING AND STUCCO work on above.

Contractor...A. H. Leaf, Call Bldg., San Francisco.

Filed Apr. 22, '15. Dated Apr. 13 '15.
 Payments same as above.....

TOTAL COST, \$2281
 Bond, \$1140. Sureties, I. Goldman and B. Katschinski. Limit, none. Forfeit, none. Plans and specifications filed.

ALTERATIONS

(1201) E GUERRERO 75 N 27th; Nos. 1477 and 1479 Guerrero. All work for alterations and additions to two-story frame building.

Owner.....Jas. Lamont, 3230 23rd, San Francisco.

Architect...None.
 Contractor...Wm. Harper.

Filed Apr. 22, '15. Dated Apr. 21, '15.
 Building raised and moved...\$300.00
 Completed 519.50
 Usual 35 days..... 277.00
 TOTAL COST, \$1096.50

Bond, none. Limit, 30 days. Forfeit, none. Plans and specifications filed.

ELECTRIC WORK

(1202) S ELLIS 137-6 W Jones W 82-6 xS 137-6. Electric fixtures for six-story and basement Class "C" brick and steel apartment and store bldg.

Owner.....Traders' Realty Co.
 Architect...J. R. Miller, Lick Bldg., San Francisco.

Contractor...Thomas Day Co., 725 Mission, San Francisco.

Filed Apr. 22, '15. Dated Mar. 10, '15.
 On completion 75%
 Usual 35 days..... 25%

TOTAL COST, \$1500

Bond, \$750. Surety, American Surety Co. Limit, 40 days. Forfeit, \$60. Plans and specifications filed.

FRAME DWELLING

(1203) E COLLINS 96-8 N Geary. Two story and basement frame dwelling.

Owner.....Jeanette Yates, 335 21st Ave., San Francisco.

Architect...None.
 Contractor...Wm. F. Yates, 335 21st Ave., San Francisco.

COST, \$3900

FRAME DWELLING

(1204) W COLLINS 90 N Geary. Two-story and basement frame dwelling.

Owner.....Jeanette Yates, 335 21st Ave., San Francisco.

Architect...None.
 Contractor...Wm. F. Yates, 335 21st Ave., San Francisco.

COST, \$3900

FRAME DWELLING

(1205) W COLLINS 140 N Geary. Two story and basement frame dwelling.

Owner.....Jeanette Yates, 335 21st Ave., San Francisco.

Architect...None.

Contractor...Wm. F. Yates, 335 21st Ave., San Francisco.

COST, \$3900

FRAME DWELLING

(1206) W COLLINS 115 N Geary. Two story and basement frame dwelling.

Owner.....Jeanette Yates, 335 21st Ave., San Francisco.

Architect...None.
 Contractor...Wm. F. Yates, 335 21st Ave., San Francisco.

COST, \$3900

ADDITION, ETC.

(1207) NO. 272 NOE. Add porch and extend wall, etc.

Owner.....Mary Shannon, Premises.
 Architect...None.

Contractor...Superior Constr. Co., 1341 Golden Gate Ave., S. F.

COST, \$400

ALTERATIONS

(1208) NO. 3460-62 TWENTY-SECOND New plumbing fixtures, electric light wiring and painting for flats.

Owner.....Lena Ganz, 159 Liberty, San Francisco.

Architect...Theo. W. Lenzen, Humboldt Bank Bldg., S. F.

Day's work. COST, \$450

ADDITION

(1209) N LEESE 50 E Mission. Add 4 rooms and bath.

Owner.....C. O. H. Beatty, 1075 61st, Oakland.

Architect...None.
 Contractor...D. D. Beatty, 17 Leese, San Francisco.

COST, \$1560

FRAME GARAGE

(1210) W SLIVER 145 N 25th. One-story frame garage.

Owner.....S. F. Home Bldg. Co., 2563 Mission, S. F.

Architect...O. E. Evans, 2861 Mission, San Francisco.

Contractor...Edwin Anderson, 382 Eureka, San Francisco.

COST, \$600

ALTERATIONS

(1211) SE MARKET AND SECOND. Alter store.

Owner.....Buckbee Thorne & Co., 27 Montgomery, S. F.

Architect...None.
 Contractor...Swenson & Franzen, 230 Tehama, San Francisco.

COST, \$500

ADDITION

(1212) NO. 439 KIRKHAM. Add to dwelling.

Owner.....Herman Schlu, 1502 9th Ave., San Francisco.

Architect...None.
 Day's work. COST, \$400

ALTERATIONS

(1213) NO. 250 GRAND VIEW. Raise and add two rooms.

Owner.....Arthur Newnhan, 2217 22d, San Francisco.

Architect...None.
 Contractor...Wm. H. Grahn, 2840 Bryant, San Francisco.

COST, \$800

ALTERATIONS

(1214) N BACON 90 W Berlin. Alter dwelling.

Owner.....Jos. Maguire, 2559 San Bruno Ave., San Francisco.

Architect...None.

Day's work. COST, \$400

NEW FOUNDATION

(1215) N PINE 147 W Grant Ave. New foundation.

Owner.....Law Bros.

Architect...E. B. Scott, Humboldt Bk. Bldg., San Francisco.

Contractor..Ratto & Ratto, 232 Hartford, San Francisco.

COST, \$400-

ALTERATIONS

(1216) NO. 1317 GRANT AVE. Alter store.

Owner.....Stefano Foppiano, 662 Broadway, San Francisco.

Architect...L. Traverso, 854 Union, San Francisco.

Day's work. COST, \$400

ALTERATIONS

(1217) NO. 184 VALENCIA. Alter interior of lodgings.

Owner.....E. D. Bennett, Premises.

Architect...None.

Day's work. COST, \$1000

FRAME RESIDENCE

(1218) W TENTH AVE 65-6 E Anza. Two-story and basement frame residence.

Owner.....Jas. Welsh, 244 20th Ave., San Francisco.

Architect...None.

Day's work. COST, \$6000

BILL BOARD

(1219) NW ELLIS AND TAYLOR. Erect bill board.

Owner.....L. A. Kelly & Co., 582 Market, San Francisco.

Architect...None.

Contractor..Ellert & Stevenson, 418 Mechanics' Bldg., S. F.

COST, \$400

ALTERATIONS

(1220) SE CALIFORNIA AND 13TH Ave. Raise and alter building.

Owner.....Kate Holst.

Architect...None.

Contractor..C. A. Rushton, 714 9th Ave., San Francisco.

COST, \$450

FRAME DWELLING

(1221) E FLORIDA 29-9 N Army. Two story and basement frame dwlg.

Owner.....Emil Nelson, 244 Rivoli, San Francisco.

Architect...None.

Day's work. Cost, \$3000

FRAME FLATS

(1222) N TWENTIETH 105 E Valencia 25x85. Lumber, mill, plumbing, tinning, roofing, cement work, tiling, painting, etc., for three-story frame flats.

Owner.....Annie and Nora Finn.

Architect...None.

Contractor..John J. Binet Co., 63 Ramona Ave., S. F.

Filed Apr. 23, '15. Dated Apr. 23, '15.

Frame up\$1650

Brown coated 1650

Completed 1650

Usual 35 days..... 1650

TOTAL COST, \$6600

Bond, none. Limit, 90 days after April 26. Forfeit, none. Plans and specifications filed.

ALTER RESIDENCE

(1223) NO. 665 FELL. Wood work, electrical work, plastering for alterations to residence.

Owner.....Gabrielle Sandersfeld and Louise Aspe, Premises.

Architect...None.

Contractor..Paul J. Esz and Gustav Schaechtel, 3632-A 20th, San Francisco.

Filed Apr. 23, '15. Dated Apr. 22, '15.

Ready for lathers.....\$300

Plastering completed 300

Completed 300

Usual 35 days..... 230

TOTAL COST, \$1130

Bond, \$1100. Surety, Jno. Weihmann.

Limit, 40 days after April 26. Forfeit,

\$5. Plans and specifications filed.

ALTERATIONS

(1224) N CLARK W of Embarcadero in rear of building No. 37 Pacific St. 20x57-8. All work for alterations and additions to brick building.

Owner.....Morris & Co., Chicago, Ill.

Architect...None.

Contractor..C. A. Day Co., Wells Fargo Bldg., San Francisco.

Filed Apr. 23, '15. Dated Apr. 9, '15.

On 15th of each month..... 90%

Usual 35 days..... 10%

TOTAL COST, \$6880

Bond, none. Limit, 75 days. Forfeit,

\$10. Plans and specifications filed.

STATE BUILDING

(1225) EXPOSITION SITE. All work for erection of building for State of Texas.

Owner.....State of Texas.

Architect...None.

Contractor..Strehlow, Freese & Petersen, Exposition Bldg., S. F.

Filed Apr. 23, '15. Dated Jan. 23, '15.

As work progresses payments of 75%

Usual 35 days..... 25%

TOTAL COST, \$10,000

Bond, \$5000. Surety Pacific Coast Casualty Co. Limit, 60 days from date of signing. Forfeit, \$25. Specifications only filed.

BAGGAGE AND EXPRESS BLDG.

(1226) THIRD AND TOWNSEND. All work for baggage and express bldg.

Owner.....Southern Pacific Co., Flood Bldg., San Francisco.

Architect...None.

Contractor..MacDonald & Kahn Rialto Bldg., S. F.

Filed Apr. 23, '15. Dated Apr. 17, '15.

At end of each month..... 75%

Usual 35 days..... 25%

TOTAL COST, \$13,583

Bond, \$6800. Surety, Massachusetts Bonding & Insurance Co. Limit, 60 days. Forfeit, none. Specifications only filed.

ALTERATIONS

(1227) NW TWENTY-SECOND AND Fair Oaks. All work except painting,

electrical work, wall beds, lighting fixtures and shades for alterations

and additions to alter two-story

frame building into 5 apartments.

Owner.....Lena Ganz, 159 Liberty, San Francisco.

Architect...Theo. W. Lenzen, Humboldt Bank Bldg., S. F.

Contractor..Frank Crothers, 1426 10th Ave., San Francisco.

Filed Apr. 23, '15. Dated Apr. 21, '15.

Old building set on new foundations and new frame up.....\$ 800

Plumbing roughed in & lath on 1000

Plastering on 850

Completed and accepted..... 1032

Usual 35 days..... 1228

TOTAL COST, \$4910

Bond, \$2455. Surety, Maryland Casualty Co. Limit, 80 days. Forfeit, none

Plans and specifications filed.

FRAME FLATS

(1228) W TWENTIETH AVE 175 S Geary S 25xW 120. Concrete, lumber, mill, plaster, etc., for two-story and basement frame flats.

Owner.....Daniel F. Hurst, 129 20th Ave., San Francisco.

Architect...None.

Contractor..Johnston Co., 1769 12th Ave., San Francisco.

Filed Apr. 23, '15. Dated Apr. 22, '15.

Frame up and enclosed.....\$1000

Brown coated 1000

Completed and accepted..... 989

Usual 35 days..... 1000

TOTAL COST, \$3989

Bond, \$2000. Surety, Pacific Coast Casualty Co. Limit, 60 days after May 1. Forfeit, \$1. Plans and specifications filed.

CLASS "C" RESIDENCE

(1229) N WASHINGTON 137-6 W Octavia W 137-6xN 255-4½ W A 195. Wood and metal lath, metal furring, and corner beads, all plaster and cement work, etc., for three-story and basement Class "C" residence and garage.

Owner.....Mary Louise Phelan, 1840 California, San Francisco.

Architect...Chas. Peter Weeks, Mutual Bank Bldg., S. F.

Contractor..Floodberg & McCaffery, Monadnock Bldg., S. F.

Filed Apr. 23, '15. Dated Apr. 19, '15.

On 1st of each month..... 75%

Usual 35 days..... 25%

TOTAL COST, \$3675

Bond, \$1837.50. Surety, New England Casualty Co. Limit, 40 days. Forfeit, none. Plans and specifications filed.

LEASE.

Apr. 22, 1915—COMG. 67-6 N Caselli Ave and 50 W Clover W 25xN 53-6. J J and Mary A Kenney to City and County of S. F. March 16, 1916. \$120 with option to renew.

Apr. 23, 1915—S O'FARRELL 70 E E Hyde 40x77-6. J W Crider to Geo A Tuck. 5 years. \$350 per month, ½ assigned to Christian Mary Halling.

Apr. 23, 1915—NE TURK & LARKIN. Natalie Selling and Samuel Meyer to Chas. Kaiser. Sept. 11, 1921. \$930 per month, etc.

Apr. 23, 1915—NOS. 1710, 1712, 1714 Buchanan and 1692, 1694, 1698 Post NE Cor. Post and Buchanan. Nancy E Weldy to S Ono. 5 years. \$12,000.

Apr. 21, 1915—NOS. 45, 47, 49 TEHAMA Patrick and Ellen Hennessy to Cali-

TORENTS S. 100x100. 3 years. \$40 per month.

Apr. 19, 1915—NE POTTERIO AVE & 15th N 50x100. John Lee Baumgartner, Tr. to Emma Singleton. 3 years. \$40 per month. Extended to March 1, 1916.

Apr. 19, 1915—E DELICIOUS ST N 10th N 30-6x100. Frank Rittigstein to Roy Shapiro. 3 years. \$8.00.

RELEASE OF BUILDING CONTRACT.

Apr. 20, 1915—NO. 617 CONNECTICUT on E line 50x S 20th. Fred Lundborg or Mrs. Lundborg with M W Johnson. Released, April 20, 1915.

NOTICE OF NON-RESPONSIBILITY.

Apr. 21, 1915—NW O'FARRELL AND Stockton N 137-6xW 137-6. Hyman Bros Co as to improvements on leased property.

Apr. 21, 1915—S SACRAMENTO 137-6 E Drumm E 100xS 87-6 W 14-10 S 24-2 W 93-10xS N 87-6. Pope Estate Co as to improvements on leased property.

COMPLETION NOTICES.

San Francisco

Apr. 16, 1915—N SUTTER ST W Taylor N 137-6xW 56-6. Wm Hendrickson Jr Tr Gaffney Estate to Fred Wagner. April 9, 1915

Apr. 16, 1915—NW PINE AND HYDE 37-6 on W Hyde and 92 5-6 feet W on N Pine. Herman D Hogrefe to whom it may concern. Completed —

Apr. 16, 1915—EXPOSITION SITE. Glauber Bros Mfg Co to E C McDougall & Co. April 9, 1915

Apr. 17, 1915—S FILBERT 125 E Polk E 75xS 125. Louisa F and Gertrude F Bray to R Glaze. April 16, 1915

Apr. 17, 1915—E FILLMORE 62-6 S Chestnut E 87-6 S 50 E 25 S 25 W 112-6 N 75; S Chestnut 97-10 E Fillmore S 65 E 40 N 65 W 10. Jas P Sweeney to J S Malloch. April 12, 1915

Apr. 17, 1915—NE LAKE AND 20TH Ave N 100x100 32-6. Frank Butler to Thomas Scoble. April 17, 1915

Apr. 17, 1915—W TWENTY-FIFTH Ave 100 S Geary S 25xW 97. Thomas Hamill to whom it may concern. April 17, 1915

Apr. 19, 1915—W HOWARD 125 N 22nd W 122-6xN 30. David and Cathrine A Murphy to Michael Brueck. April 10, 1915

Apr. 19, 1915—NW JACKSON AND Scott N 127-8 1/2xW 137-6. Academy of the Sacred Heart to Globe Indemnity Co, Surety on Bonds of General Eng Co. April 14, 1915

Apr. 19, 1915—S O'FARRELL 82-6 W Stockton W 55xS 82-6. Orpheum Theatre & Realty Co to C M Moore. April 17, 1915

Apr. 19, 1915—SW COLUMBUS AVE S 1 1/4 NW Filbert NW 2 1/4 — parallel with Filbert 8-10 1/2 S parallel with Mason 75 E 22-4 1/2 S 62-6 E 46-4 1/2 N 62-6 E 2-6 1/2. D J Casassa to Farnocchia, Petri & Co. April 16, 1915

Apr. 19, 1915—N O'FARRELL 137-6 W Powell W 50xN 137-6. C A Hooper & Co to C P Moore Bldg Co. April 20, 1915

Apr. 20, 1915—N WASHINGTON 127-6

W Octavia W 107-6xN 155-1 1/2. Mary Louise Phelan to Steiger Terra Cotta and Pottery Wks. April 16, 1915

Apr. 20, 1915—NW TWENTY-FOURTH Ave and Balboa W 107-6xN 115-4. Pacific Gas & Electric Co to Alexander Coleman. April 14, 1915

Apr. 20, 1915—E EIGHTEENTH AVE 225 S Geary 25x120. Mary B Hallett to whom it may concern. April 17, 1915

Apr. 20, 1915—E TWENTIETH AVE bet "T" and "W." William Shield to Joseph Neal. Completed —

Apr. 20, 1915—E FOLSOM 223 N 19th N 38x122-6. I C Moore Estate Co to Bay City Bldg Co. April 16, 1915

Apr. 20, 1915—SW HOWARD & 16TH W 175-6 S 90 E 75-6 N 2-6 E 100 N 87-6. Mission Consolidated Realty Co to Otis Elevator Co. April 14, 1915

Apr. 20, 1915—N POST 50 W Larkin — 50 N 120 E 50 S 120. J H Keefe to J M Boscus. April 15, 1915

Apr. 20, 1915—SE CORTLAND AVE and Folsom. John Bianchi to whom it may concern. April 15, 1915

Apr. 20, 1915—SW NINETEENTH & Capp W 14-6xS 65. The Trustees of the Emanuel Church of the Evangelical Ass'n to Chas J U Koekig, A A Quandt & Son. April 17, 1915

Apr. 21, 1915—W SANSOME 46 N Sutter N 91-6xW 122. Alexander D Keyes and Mary E and Robert Brent Chilton, Maurice J Chilton and John C Chilton to San Francisco Elevator Co. April 20, 1915

Apr. 21, 1915—SW JERSEY & NOE S 39xW 80. Carolina Muller to Fred Miller. April 16, 1915

Apr. 21, 1915—NE SIXTH AVE AND Irving N 35x100. Albert W Lehrke to whom it may concern. April 19, 1915

Apr. 21, 1915—S PACIFIC 25 W Auburn S 75xW 45. Frank and Chas Cirelli to Charles Coburn. April 21, 1915

Apr. 21, 1915—W KEARNY N of Post. H Hauschildt (as The Hauschildt Music Co) to M Eiberger. April 13, 1915

Apr. 21, 1915—E TWELFTH AVE 125 N Balboa N 25x120. A R Lapham to whom it may concern. April 19, 1915

Apr. 21, 1915—LOT 38 BLK 3 Crocker Amazon Tract. Eugene Pescaro to S Montani and G Stefanni. April 19, 1915

Apr. 21, 1915—NW VAN NESS AVE and Chestnut W 125.8 m or l to W Scott S 206.4 m or l W parallel with N Lombard 1124.8 S parallel with Baker to N Lombard th along N Lombard to W Lyon N to shore of Bay of S E E to W Van Ness Ave S to beg. excepting ptn U S Government Fort Mason Reservation lying N of Fort Mason Road as now existing, except also Blks 249 and 250 Harbor View. Panama-Pacific International Exposition Co to M E Chadbourne. April 12, 1915

Apr. 21, 1915—SE VAN NESS AVE and Geary. Richelleu Investment Co to Vincent J Donovan. April 19, 1915

Apr. 21, 1915—SE BLUXOME 289 NE 6th NE 70xSE 125. Moody Estate Co to H H Larsen & Bro. April 20, 1915

Apr. 21, 1915—LOTS 37, 38, 43, 44, 45 and Ptn Lots 1, 2, 3 Wade's Sub Blk 388 South San Francisco Hd R

R Ass'n. S DUGES Co to Wm H Grahn. April 10, 1915

Apr. 21, 1915—NW STOCKTON AND O'Farrell. D Samuels Co to C M Moore. April 12, 1915

Apr. 21, 1915—W POWELL, bet Eddy and Ellis; No. 27 Powell. Edison Moving Picture Co to George G Moren. April 16, 1915

Apr. 23, 1915—SE EDDY AND HYDE W 137-6xS 137-6. W E Dean to Percy Sheet Metal Wks. April 23, 1915

Apr. 23, 1915—NW CALIFORNIA & Hyde W 87-6xN 87-6. Lena S Kalhen, Geo G Katz, Gustave A and Louis R Katz & Fred P Sherwood to B C Van Emon Elevators, Inc. April 23, 1915

Apr. 22, 1915—EXPOSITION SITE. Blythe H Henderson to Bay City Bldg Company. April 15, 1915

Apr. 22, 1915—E POWELL 137-6 N California N 68-9x137-6. A W Wilson and Jos Martin to Bradley & O'Reilly. April 20, 1915

Apr. 23, 1915—E MISSION 275 N 17th N 25x105. Rose Pignaz to Henry Conrad. April 21, 1915

Apr. 23, 1915—SE POST AND MASON E 110xS 137-6. First Congregational Society of S F to A C Wockler, April 21; H W Johns-Manville Co, April 21; Stockholm & Allyn. April 21, 1915

LIENS FILED

SAN FRANCISCO COUNTY.

Apr. 17, 1915—E JOICE 109 S Sacramento S 28-6 E 69-6 N 9-6 S 2 W 60. J H Johnson vs S Harshbarger and Wm R Bell. \$15

Apr. 17, 1915—N TWENTIETH 25 E Collingwood 25 by 75. William Heidenreich vs John H and Caroline F Palmer, Geo V and Frank McCausland (as McCausland Bros). \$236.65

Apr. 19, 1915—N TWENTIETH 25 E Collingwood E 25xN 75. Columbia Lumber Co vs John H and Caroline F Palmer and Geo V McCausland. \$657.48

Apr. 19, 1915—EXPOSITION SITE. Bass-Hueter Paint Co vs Northwest Constr Co, American Oriental Concession Co, V Cardashian and Panama-Pacific International Exposition Co. \$333.80

Apr. 19, 1915—E JONES 67-6 S Pine S 30x100 87-6. Michel & Pfeffer vs John R Schroeder. \$400

Apr. 19, 1915—N TWENTIETH 25 E Collingwood E 25xN 75. Reinhart Lumber & Planing Mill Co, \$338; D H Clinton, \$109.50 vs Caroline F and John H Palmer and McCausland Bros. \$325

Apr. 19, 1915—W BUCHANAN 72 N Francisco W 106 S 57 W 62 N 51 W 23 N 86-4 E 191 S to beg. O F Larson vs Marine Gardens Cafe Co and Panama-Pacific International Exposition Co. \$325

Apr. 19, 1915—N TWENTIETH 25 E Collingwood E 25xN 75. Eureka Sash, Door & Moulding Mills, \$29.50; C W Higgins, \$395; E A Howard, \$70; Harold W McCausland, \$105; G W Shroyer, \$50; C L Borse, \$82.50; D R Brower, \$57; R A Helgesson, \$50; Karl Hassell, \$255; Julius E Back, \$60.15; Marshall & Stearns, \$180; M H Gnecco, \$22.50; M W Farrell, \$151.20 vs John H and

Caroline F Palmer and McCausland Bros.

Apr. 19, 1915—NW VAN NESS AVE & Chestnut N 365 W 145 N 90 W 115 S 455 — 260. Electric Railway & Manufacturers' Supply Co vs Panama-Pacific International Exposition Co, Julia Rossi, Thos N Furlong, Cathe Furlong, Chas Bone, Wm. H Irvine, Maggie Moosie, Michael Moosie, Carrie E Bridge, S Lazzarini, F Michelis, Mary Gissler, Chas Bone, J Konrad Jung, Bothin Real Estate Co, F C Dowling, Emma S Willard, Albert Abrams, Hugh Farley, N Lippi Rosina Re, Giovanni Maggiora, Rosa Del Carlo, James Venaglia, Bella Maggiora, Adele Venaglia, Laura Della Maggiora, Orlando Lippi, Pia Lippi, Linda Lippi, Ben Lippi and Adele Venaglia, \$2417.03. F A Salih and M A Naify, Northwest Con Co vs Same and V Cardashian American Concessions Co, \$33,949.18; Same vs Same.....\$3443

Apr. 20, 1915—SW CHESTNUT AND Van Ness Ave W 120xS 56. Pacific Fire Extinguisher Co vs B Frankel Jacob Kessler, Rose Kessler, J H Murphy and Ella M Rohlfss.....\$225

Apr. 20, 1915—EXPOSITION SITE. W P Fuller & Co vs Northwest Constr Co, W A Ainslie, Gilbert M Anderson, A W Lewis and Panama-Pacific International Exposition Company\$171.75

Apr. 20, 1915—NW VAN NESS AVE and Chestnut N 365 W 145 N 90 W 115 S 455 — 260. Pacific Hardware & Steel Co vs F A Salih and M A Naify (as Northwest Constr Co), V Cardashian, American Oriental Concessions Co, Panama-Pacific International Exposition, Julia Rossi Thos N Furlong, Cathe Furlong, Chas Bone, Wm H Irvine, Maggie and Michael Moosie, Carrie E Bridge, S Lazzarini, F Michelis, Mary Gissler, Chas Bone Jr, Konrad Jung, Bothin Real Estate Co, F C Dowling, Emma S Willard, Albert Abrams, Hugh Farley, E Lippi, Rosina Re, Giovanni Venaglia, Bella Maggiora, Adele Venaglia, Laura Della Maggiora, Orlando Pia, Linda and Ben Lippi,\$432.97

Apr. 20, 1915—NW VAN NESS AVE and Chestnut N 65 W 145 N 90 W 115 S 455 E 260. George W Kneass vs F A Salih and M A Naify (as Northwest Constr Co)\$112

Apr. 21, 1915—NW VAN NESS AVE and Chestnut N 365 W 145 N 90 W 115 S 455 E 260. Arden Plaster Co vs Northwest Constr Co, Varhan Cardashian, American Oriental Concession Co and Panama-Pacific International Exposition Co.....\$204.45

Apr. 21, 1915—E TWENTY-SIXTH Ave 100 N Taraval N 25xE 120. J H Kruse vs Clair Auger.....\$340.99

Apr. 21, 1915—EXPOSITION SITE. The Pink & Schindler Co vs Philippine Board of the P P I E, W Barclay, Director General of the Philippine Board of the P P I E, the Government of the Philippine Islands and Panama-Pacific International Exposition Co.....\$4354

Apr. 21, 1915—N CALIFORNIA 137-6 W Devisadero W 27-4½xN 132-7. Louis or John Schmidt vs E C Bletch and Mary G Dutton....\$105.35

Apr. 21, 1915—N TWENTIETH 25 E Collingwood E 25xN 75. Richmond Electric Co vs John H and Caroline F Palmer and McCausland Bros...\$50

Apr. 21, 1915—N UNION 137-6 W Leavenworth W 20xN 137-6. G Viglino and G Viale, co-partners vs John Ratto and G Cristina, Co-partners and C O Fauda.....\$77

Apr. 21, 1915—W MOULTRIE 125 N Tompkins N 25xW 75; No. 718 Moultrie. The Greater City Lumber Co vs Sarah and Thomas McNamee\$40

Apr. 21, 1915—S FRANCISCO 160-6 E Van Ness Ave E 60xS 35. M Massoletti vs W W T Berrill and Lucius L Solomons.....\$126.33

Apr. 21, 1915—EXPOSITION SITE. Arden Plaster Co vs Northwest Constr Co, Varhan Cardashian, Adj High Commissioner and Executive Director from Turkey to Panama-Pacific International Exposition Co to Ottoman Empire and Panama-Pacific International Exposition Co.\$906.03

Apr. 22, 1915—W COLE 90 N Grove N 30xW 106-3. V Filippis vs Nellie Ryan\$212

Apr. 22, 1915—W WEBSTER 47-7% S Grove S 52-0½xW 97-6. George Singewald vs Mary L McMamara\$200.23

Apr. 22, 1915—SE FOLSOM & CORTland Ave S 43 m or l E 70 N 87 m or l SW 83 m or l. Michel & Pfeffer vs John Bianchi\$469

Apr. 22, 1915—N TWENTY-FIRST 35 E Treat Ave E 25xN 100. Redwood Manufacturers Co vs S F Land & Title Co, Chas J Grisez and H R Pickens\$82.28

Apr. 22, 1915—NW VAN NESS AVE and Chestnut N 365 W 145 N 90 W 115 S 455 E 260. California Door Co vs Northwest Constr Co, Varhan Cardashian, American Oriental Concession Co and Panama-Pacific International Exposition Co..\$309.30

Apr. 22, 1915—EXPOSITION SITE. Pacific Hardware & Steel Co vs Northwest Constr Co, Varhan Cardashian, adj High Commissioner from Turkey to Panama-Pacific International Exposition and Panama-Pacific International Exposition Co\$108.50

Apr. 22, 1915—NW VAN NESS AVE & Chestnut N 365 W 145 N 90 W 115 S 455 — 260. Hooper Lumber Co., \$8365.61; Jacob & Feykert, \$364.90 vs Northwest Constr Co, V Cardashian, American Oriental Concessions Co, cpn, Panama-Pacific International Exposition Co, Julia Rossi, Thos N Furlong, Catherine Furlong, Charles Bone, William H Irvine, Maggie Moosie, Michael Moosie, Carrie E Bridge, S Lazzarini F Michelis, Mary Gissler, Chas Bone Jr, Konrad Jung, Bothin Real Estate Co, F C Dowling, Emma S Willard, Albert Abrams, Hugh Farley, E Lippi, Rosina Re, Giovanni Maggiora, Ross Del Carlo, James Venaglia, Bella Maggiora, Adele Venaglia, Laura Dell Maggiora, Orlando Lippi, Pia Lippi, Linda Lippi, Ben Lippi and Adele Venaglia\$412.92

Apr. 22, 1915—E VALENCIA 185 N 23d N 55xE 125. Morris Stulsaft Co vs Harriet M Stevens, H C Smith and T Loncono\$318

Apr. 23, 1915—E VALENCIA 185 N 23rd N 55xE 125. J Marconi vs Harriet M Stevens, H C Smith and T Loncono\$111.90

Apr. 23, 1915—W FOURTH AVE 75 E Anza S 25xW 95. Hicks & Folte vs John F Haner.....\$61

Apr. 23, 1915—S CHESTNUT 65 E Scott E 45xS 25. Henry Ernst & Sons vs W E Grant and Frank and Cecelia Micalizzi\$201

Apr. 23, 1915—E VALENCIA 280 S 22nd S 55xE 125; Nos. 1155 to 1165 Valencia. P E Depaoli vs Harriet M Stevens, T Loncono and Henry C Smith\$34

Apr. 23, 1915—W BUCHANAN 72 N Francisco W 70 S 57 W 62 N 51 W 23 N 86 E 191 S 80 W 36. J W Bender Roofing & Paving Co vs Marine Gardens & Cafe Co, Panama-Pacific International Co...\$176.40

Apr. 23, 1915—E VALENCIA NOS. 1155 and 1165, bet. 22nd and 23rd. A I Mollis vs T Loncono and H C and Harriet M Stevens.....\$140

Apr. 23, 1915—W FOURTH AVE 75 S Anza S 25xW 95. W C Premus vs John F Haner.....\$885.40

Apr. 23, 1915—LOT 41 BLK 4, Lakeview. Spring Valley Lumber Yard vs Frank and Genevieve McCarthy and Joseph C Stromswold....\$261.15

Apr. 23, 1915—SE CHESTNUT AND Scott S 25xE 110. Gus J Peters vs Frank and Cesira Micalizzi and W E Grant\$49

Apr. 23, 1915—NW CHESTNUT AND Van Ness Ave W 250xN 425. G C Lindauer vs Northwest Constr Co, American Oriental Concessions Co and Panama-Pacific International Exposition Co\$50

Apr. 23, 1915—S CHESTNUT 70 E Scott E 38xS 25. J H Kruse vs Frank and Cecelia Micalizzi..\$1056.67

Apr. 23, 1915—W FOURTH AVE 75 S Anza S 25xW 95. Michaelk & Co vs John F Haner.....\$200

Apr. 23, 1915—W FOURTH AVE 75 S Anza W 95xS 25. Columbia Co vs John F Haner.....\$844.14


Apr. 23, 1915—NW VAN NESS AVE and Chestnut N 365 W 145 N 90 W 115 S 455 — 260. I P Lipp vs Northwest Constr. Co, V Cardashian, Panama-Pacific International Exposition Co, Julia Rossi, Thomas N Furlong, Catherine Furlong, Chas Bone, William H Irvine, Maggie Moosie, Michael Moosie, Carrie E Bridge, S Lazzarini, F Michelis, Mary Gissler, Charles Bone, Jr, Konrad Jung, Bothin Real Estate Co, F C Dowling, Emma S Willard, Albert Abrams, Hugh Farley, E Lippi, Rosina Re, Giovanni Maggiora, Ross Del Carlo, James Venaglia, Bella Maggiora, Adele Venaglia, Laura Dell Maggiora, Orlando Lippi, Pia Lippi, Linda Lippi, Ben Lippi\$412.92

Apr. 16, 1915—N TWENTIETH 25 E Collingwood E 25xN 75. W P Fuller Co vs John H and Caroline F Palmer and McCausland Bros..\$179.50

RELEASE OF LEASES

SAN FRANCISCO COUNTY.

Apr. 22, 1915—S PACIFIC AVE 85 W Devisadero W 15xS 27-N 14. O F Larson to P M Fatio, L V Vezina, Smith Bros and John Smyth.....



**Structural Steel
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San Francisco**

Telephone Market 337

OAKLAND AND ALAMEDA COUNTY.

RESIDENCE — 2 story and base, frame, \$4,000. Berkeley, Alameda Co., Cal. Architect, James W. Plachek, Architect, Berkeley. Owner, John H. H. H. The dwelling will be erected on Spruce street near Clinton, and has been designed to contain eight rooms, two baths and sleeping porch. Interior finish will be of pine and hardwood. Bed rooms will be finished white enamel. Hardwood floors will be used in the living room, dining room and reception hall. Plans provide for furnace heat and open fire places. Mantels will be of tile or brick. Tile wainscot will be used in the bath rooms. An automatic water heater is specified. Exterior of the dwelling will be covered with shingles. Plans are now being prepared and work will be done by Day Labor.

RESIDENCE — 2 story and base, frame, \$3,500. Oakland, Cal. Architect, Merrill Newsom, 1748 Broadway, Oakland. Owner, G. Gregory. The dwelling will be erected on 41st avenue and Boulevard, and has been designed to contain six rooms, bath and sleeping porch. Interior finish will be of pine and redwood. Hardwood floors will be used in the living room, dining room and reception hall. There will be furnace heat and open fire places. Mantels will be of tile. Tile wainscot will be used in the bath room and kitchen. An automatic water heater house will be covered with cement plaster on metal lath. Plans are being prepared and the work will be done by Day Labor.

RESIDENCE — 2 story and base, frame, \$3,000. Oakland, Cal. Architect, none. Owner, James McGuinness, 5615 East 16th street, Oakland. The dwelling will be erected on West Park Boulevard, and has been designed to contain seven rooms, bath and sleeping porch. Interior finish will be of pine and redwood with some hardwood veneer. Hardwood floors will be used in the principal rooms. Bed rooms will be finished in white enamel. There will be an open fire place and tile or brick mantel. An automatic water heater is specified. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor.

RESIDENCE — 2 story and base, brick and frame, \$7,000. Oakland, Cal. Architect, Glenn Allen, 941 Monadnock Bldg., S. F. Owner, Jennie Hayes. The dwelling will be erected in the Crocker Highlands, and has been designed to contain eight rooms, two baths and sleeping porch and a garage. Interior finish will be of pine and hardwood.

Hardwood floors will be used throughout. There will be furnace heat and open fire places. Mantels will be of tile or brick. Bath rooms will be finished in tile and equipped with high-grade plumbing fixtures. Automatic water heaters will be installed. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are now being figured.

RESIDENCE — 2 story and base, frame, \$3,500. Piedmont, Alameda Co., Cal. Architect, Universal Drafting Bureau, Inc., 1844 5th avenue, Oakland. Owner, R. A. McWilliams. The dwelling will be erected on Vernal avenue, and has been designed to contain seven rooms, bath and sleeping porch. Interior finish will be of pine and hardwood with white enamel in the bedrooms. Hardwood floors will be used in the living room, dining room and reception hall. Plans provide for furnace heat and open fire places. Mantels will be of tile or brick. Tile wainscot and floors will be used in the bath room. An automatic water heater will be installed. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor. Materials are now being purchased.

RESIDENCE — 2 story and base, frame, \$3,000. Oakland, Cal. Architect, none. Owner, A. B. Chase, 1521 79th avenue, Oakland. The dwelling will be erected on the east line of Peralta avenue south of Delaware, and has been designed to contain seven rooms and bath. Interior will be finished in pine and redwood with white enamel in the bed rooms. Hardwood floors will be used in the living room, dining room and reception hall. Plans provide for furnace heat and open fire places. Mantels will be of tile, the amount of \$60 having been allowed for each mantel. Bath room will be finished in tile. An automatic water heater is specified. The dwelling will be covered with cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor. Materials are now being purchased.

RESIDENCE — 1 story and base, frame, \$2,500. Berkeley, Alameda Co., Cal. Architect, Universal Drafting Bureau, Inc., 1844 5th avenue, Oakland. Owner, M. P. Brasch. The dwelling will be erected in Northbrae, and has been designed for a five room house with bath and sleeping porch. Interior finish will be of pine and redwood. Hardwood floors will be used in the living room and dining room. A large open fire place with a brick mantel will be a feature of the living room. An automatic water heater is specified.

Bath room and kitchen will have tile wainscot. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor. Materials are being purchased.

RESIDENCE — 2 story and base, frame, \$9,000. Oakland, Cal. Architect, Schirmer, Bugbee & Co., Dalziel Bldg., Oakland. Owner, Mr. Forest. The dwelling will be erected in Crocker Highlands, and has been designed for a ten-room house with three bath rooms and a separate garage. Interior finish will be of pine and hardwood with white enamel in the bed rooms. Hardwood floors will be used throughout. Bath rooms will be finished in tile and equipped with high-grade plumbing fixtures. Furnace heat, a hot water circulating system and open fire places are specified. Mantels will be of tile and stone. Bath rooms will be finished in tile. Exterior of the dwelling and garage will be covered with cement plaster on metal lath. Plans are complete and figures are now being taken.

RESIDENCE — 1 story and base, frame, \$2,000. Oakland, Cal. Architect, Universal Drafting Bureau, 1844 5th avenue, Oakland. Owner, R. A. McWilliams. The dwelling will be erected in Fourth Avenue Heights, and has been designed for a five-room dwelling with bath and sleeping porch. Interior finish will be of pine and redwood. Hardwood floors will be used in the living room and dining room. There will be an open fire place and tile or brick mantel. Imitation tile wainscot will be used in the bath room and kitchen. An automatic water heater will be installed. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are complete. The work will be done by Day Labor. Materials are now being purchased.

RESIDENCE — 1½ story and base, frame, \$3,000. Oakland, Cal. Architect, Universal Drafting Bureau, 1844 5th avenue, Oakland. Owner, Dr. Caldwell. The dwelling will be erected on Piedmont avenue, and has been designed for a six-room dwelling with bath and sleeping porch. Interior will be finished in pine and redwood with white enamel in the bed rooms. Hardwood floors will be used in the principal rooms. There will be furnace heat and open fire places. Bath rooms will be finished in tile. Mantels will be of brick. An automatic water heater is specified. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor. Materials are now being purchased.

RESIDENCE — 1 story and base, frame, \$2,500. Alameda, Alameda Co., Cal. Architect, Universal Drafting Bureau, 1844 5th avenue, Oakland. Owner, Benj. F. Kopf. The dwelling will be erected in Waterside Terrace, and has been designed for a five-room house with bath. Interior finish will be of pine and redwood. Hardwood floors will be used in the living room and dining room. There will be an open fire place with tile or brick mantel. Imitation tile wainscot will be used in the bath room. An automatic

water heater is specified. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are being prepared and the work will be done by Day Labor.

RESIDENCE—1 story and base, frame, \$2,500. Piedmont, Alameda Co., Cal. Architect, Universal Drafting Bureau, 1844 5th avenue, Oakland. Owner, Mr. Turner, Primrose Apartments, Piedmont. The dwelling will be erected in Nova Piedmont, and has been designed for a five-room house with bath and sleeping porch. Interior finish will be of pine and redwood. Hardwood floors will be used in the two principal rooms. There will be a large open fire place in the living room. Mantels will be of tile or brick. Tile wainscot will be used in the bath room and kitchen. An automatic water heater will be installed. Exterior will be covered with cement plaster on metal lath. Plans are being prepared and when complete the work will be done by Day Labor.

HOSPITAL ADDITION—2 story, brick and steel, \$12,000. Oakland, Cal. Architect, Walter J. Mathews, 927 Broadway, Oakland. Owners, Merritt Hospital. The building will be in the nature of an addition to the nurses' quarters and will be erected at the corner of Hawthorne and Webster streets. There will be eight living rooms, each with private bath. Interior finish will be of pine and hardwood. Hardwood floors will be used. Steam heat will be supplied from the central plant in the present building. Bath rooms will be finished in tile. Exterior of the building will be covered with pressed brick. Plans are complete and subfigures are now being taken by the architect.

LIBRARY—2 story and base, brick, \$10,000. Berkeley, Alameda Co., Cal. Architect, W. H. Ratcliff, Jr., First National Bank Bldg., Berkeley. Owners City of Berkeley. Plans for a branch library which is to be erected on the corner of San Pablo and University avenues have been completed and are now out for figures. The building will contain two reading rooms, stack room and office for the librarian. Interior finish will be of pine and hardwood. Maple floors will be used in the reading rooms and stack room. A central heating system, probably hot air, will be installed. Metal book stacks are specified. Exterior of the building will be covered with pressed brick. Bids will be opened on May 11th at 10 a. m. Plans and specifications can be secured from the architect.

WAREHOUSE STEEL FRAME—Cost not stated. Oakland Cal. Engineer, Harbor Engineer, City Hall, Oakland. Owners, City of Oakland. Plans have been completed and figures are now being called for the construction of a steel frame for the one-story steel frame warehouse to be erected on city property parallel with the quay wall between Jefferson and Grove streets. The building will cover an area of 402 by 91 feet. Bids will be opened on April 29th. Plans and specifications can be secured from the office of the City Clerk.

SCHOOL—2 story and base. Class C construction, \$70,000. Berkeley, Ala-

meda Co., Cal. Architect, William H. Ratcliff, Jr., First National Bank Bldg., Berkeley. Owners, City of Berkeley. A large number of segregated figures were received on April 23rd for the construction of this building. No definite action has been taken by the Board of Education. A complete list of the various figures received will be found under the heading of Oakland and Alameda County in this issue.

THEATRE—1 story, frame, \$5,000. Oakland, Cal. Architect, J. Henry Boehrer, Dalziel Bldg., Oakland. Owner's name withheld. The building has been designed for a moving picture theatre and will be erected on Telegraph avenue near 11st street. The theatre will have a seating capacity of 250 people. Interior will be finished in pine. There will be special electric work and sheet metal work. Exterior will be covered with cement plaster on metal lath. Plans are now being figured.

APARTMENT HOUSE—3 story and base, frame and brick, \$40,000. Berkeley, Alameda Co., Cal. Architects, Rousseau & Rousseau, 110 Sutter street, S. F. Owners, Rivers Brothers. The building will be erected on the southeast corner of Ashby and College avenue, and has been designed for stores on the first floor of which there will be seven beside the entrance to the apartments above. Upper two floors will be arranged for a number of two floors will be arranged for a number of two and three room apartments. All apartments will have wall beds and private bath rooms. Interior finish will be of pine and redwood. Hardwood floors will be used in the living and dining rooms. Plans provide for steam heat, hot water system, vacuum cleaning and high-grade plumbing. Bath rooms will be finished in tile. Exterior of the building will be covered with cement plaster on metal lath and pressed brick veneer. Plans are complete and figures are now being taken.

Contracts Awarded.

BRIDGE—Reinforced concrete, \$8,590. Oakland, Cal. Engineer, County Surveyor, Oakland. Owners, Alameda County. Contractor Thomas B. Russell, Hayward. Contract price \$8,590.

Bids Opened For Berkeley School

Segregated Figures Received for Berkeley School—Contract Will Be Awarded in a Day or Two.

Bids were opened by the Berkeley Board of Education at the Friday morning session for the construction of the two-story and basement Class C school building to be erected on property at the corner of Oregon and Russell streets. The building was designed by Architect W. H. Ratcliff, Jr., First National Bank Bldg., Berkeley. The estimated cost for the work was placed at \$70,000. Separate bids were taken as follows: Preparation of the site, brick and stone work, heating and ventilating, carpentry work, sheet

metal work, electric work, plumbing, plastering, and painting. An award of contract will be made shortly.

Preparation of the Site.

D. O. Church Co.	\$5,496
W. D. Henderson	7,579
J. D. Westerlund	6,590
Lester H. Stock	5,760
H. E. Franks	6,749
Otto Schubert	7,960
Isaac Penny	7,200

Brick and Stone Work.

D. O. Church Co.	\$20,414
W. D. Henderson	21,015
Arthur Arlett	22,068
Mealey & Collins	19,850
Isaac Penny	21,940

Heating and Ventilating.

Carl T. Doell	\$ 8,696
Robert Dalziel	9,913
J. C. Hurley & Co.	9,295
H. W. Van Pelt	10,640
Siebert Co.	9,497
J. E. O'Mara	10,977
Walter Mork	9,000
Pacific Fire Extinguisher Co.	9,845
Bay Engineering Co.	11,597
Johnson Service Co.	11,720
Wittman-Lymen Co.	10,980

Carpentry Work.

D. O. Church Co.	\$22,326
Dunnivant-Oakley Co.	21,349
E. T. Leiter & Sons	27,757
Isaac Penny	20,460
Phil Sheridan	27,202
Lester H. Stock	21,077
Walter Sorenson	21,699
Stockholm & Allyn	23,677
J. Wendering	20,300
W. D. Henderson	20,988
City Construction Co.	22,825
Heckenroth & Schell	19,997

Sheet Metal Work.

W. D. Henderson	\$ 4,572
Siebert Co.	3,262
Lester H. Stock	3,604
Capitol Sheet Metal Works	3,581
Ideal Cornice Co.	3,172
Yager Sheet Metal & Plumb. Co.	3,465
Walter Mork	3,010
Delucchi-Schufelt Co.	2,942
U. S. Metal Products Co.	3,655
Western Furnace & Cornice Co.	2,955
Isaac Penny	3,440

Electric Work.

Butte Eng. & Elect. Co.	\$ 2,450
Rex Elect. & Cons't Co.	2,395
Bradshaw Elect. Co. (no check)	2,075
Capitol Elect. Co.	2,290
Berkeley Elect. Co.	2,568
Gen. Elect. & Cons't Co.	2,238
H. S. Tittle	2,300
Le Page-McKenney Co.	2,075

Plumbing.

J. C. Hurley Co.	\$ 3,857
Scott Company	3,995
Wittman, Lyman & Co.	4,350
George Stoddard	3,215
Frederick W. Snook Co.	3,284
Thomas R. Catton	3,716
J. B. Cruz	3,667
J. E. O'Mara	3,983
A. M. Poulsen	3,541
Eugene Ehret	3,887
Carl T. Doell	3,869

Plastering.

W. D. Henderson	\$ 4,329
William Makin	3,650
George Dixon	2,997
Greenbank Plastering Co.	3,925
Isaac Penny	3,850

Painting.

W. D. Henderson	\$ 3,337
D. Zelinsky	2,180
C. M. Ecklund	2,200

Lester H. Stock..... 2,358
 Isaac Penny..... 2,394
 A bid of \$71,898 for the general construction was submitted by Boyd-Kerr & McLean of San Francisco.

Building Contracts Awarded.

Oakland.

No.	Owner.	Contractor	Amt.
711	Brosio.....	Raineri	450
712	Touchard.....	Trow	500
713	Kopperud.....	Kopperud	400
714	Wescheke.....	Volkman	550
715	French.....	Johnson	500
716	Silverstein.....	Cook	400
717	Momt.....	Knowles	5000
718	Newly.....	Newly	1000
719	MacGregor.....	MacGregor	1500
720	MacGregor.....	MacGregor	1600
721	MacGregor.....	MacGregor	1600
722	Schnoor.....	Bradhoff	2450
723	Peralta.....	Harris	1800
724	Hoffman.....	Powers	650
725	McGuinness.....	Owner	3000
729	Nason.....	Lydikson	600
730	Peterson.....	Lydikson	1600
731	Woodburn.....	Woodburn	2500
733	Jackson.....	Sommarstrom	2900
734	Alta Piedm't.....	Burtchael	791
735	Plunkett.....	Oakley	3101
737	Mancini.....	Boehrer	4300
738	Chase.....	Chase	3000
739	Oakland.....	Glaze	35614
746	Watson.....	Welsh	3675
749	Steele.....	Steele	1800
750	Bocchini.....	Benassini	900
751	Merritt Hsptl.....	Christensen	12000
752	Labor.....	Chambers	2500
753	Butcher.....	Bender	400
754	Luirson.....	Luirson	1450
755	Jamieson.....	Jamieson	500
756	Okd Bk Svgs.....	Mangrum	2000
757	Lewis.....	Stone	400
758	Darling.....	Gordon	400
759	Carden.....	Blabon	600
760	Marquise.....	Marquise	1800
761	Wetzel.....	Wetzel	1000
762	Magneson.....	Magneson	600
763	Howland.....	Howland	1000
765	Peppin.....	Peppin	2000

ALTERATIONS

(711) NO. 3481 HARLAN, Oakland.
 Alterations.
 Owner.....L. Brosio.
 Architect...None.
 Contractor..D. Raineri, 872 43rd, Okd.
 COST, \$450

ALTERATIONS

(712) NO. 406 LEE, Oakland. Alter.
 Owner.....Miss Touchard, Premises.
 Architect...None.
 Contractor..Chas. L. Trow, \$35 38th, Oakland.
 COST, \$500

OFFICE

(713) E HIGH 100 N California Railway, Oakland. One-story 2-room office.
 Owner.....A. H. Kopperud, 4217 Boulevard, Oakland.
 Architect...None.
 Day's work..... COST, \$100

ALTERATIONS

(714) NO. 5378 LOCKSLEY AVE., Oakland. Alterations and additions.
 Owner.....Mrs. E. Wescheke, Prem.
 Architect...None.
 Contractor..E. A. Volkman, 1974 Hayes, Oakland.
 COST, \$550

ALTERATIONS

(715) NO. 678 NINTH, Oakland.
 Alterations.
 Owner.....F. M. French, 510 10th St., Oakland.
 Architect...None.
 Contractor..Johnson & Turner, 5817 Occidental, Okd.
 COST, \$500

ALTERATIONS

(716) NO. 720 LINDEN, Oakland.
 Alterations.
 Owner.....H. Silverstein, 560 Broadway, Oakland.
 Architect...None.
 Contractor..L. T. Cook, 543 30th, Okd.
 COST, \$400

DWELLING

(717) W MIRA VISTA 132 S Alta Vista, Oakland. Two-story 8-room dwelling.
 Owner.....A. J. Mount, 583 Mira Vista Ave., Oakland.
 Architect...Wm. Knowles, Central Bank Bldg., Oakland.
 Contractor..Wm. Knowles, Central Bank Bldg., Oakland.
 COST, \$5000

DWELLING

(718) W EIGHTY-SIXTH AVE 166 S Dowling, Oakland. One-story 5-room dwelling.
 Owner.....J. A. Newly, 1528 88th Ave Oakland.
 Architect...None.
 Day's work..... COST, \$1000

DWELLING

(719) W EVERETT 236 N E-38th, Oakland. One-story 5-room dwelling
 Owner.....C. M. MacGregor, 470 13th, Oakland.
 Architect...None.
 Day's work..... COST, \$1500

DWELLING

(720) W EVERETT 193 N E-38th, Oakland. One-story 5-room dwelling
 Owner.....C. M. MacGregor, 470 13th, Oakland.
 Architect...None.
 Day's work..... COST, \$1600

DWELLING

(721) W EVERETT 150 N E-38th, Oakland. One-story 5-room dwelling
 Owner.....C. M. MacGregor, 470 13th, Oakland.
 Architect...None.
 Day's work..... COST, \$1600

DWELLING

(722) W CLAREMONT AVE 40 S 59th, Oakland. One-story 6-room dwlg.
 Owner.....P. Schnoor, 5905 Claremont Ave., Oakland.
 Architect...None.
 Contractor..C. O. Bradhoff, 911 55th, Oakland.
 COST, \$2450

DWELLING

(723) E RHODA AVE 245 N Madeline, Oakland. One-story 5-room dwelling.
 Owner.....Peralta Investment Co.
 Architect...None.
 Contractor..Harris & Hudson, 1957 E-38th, Oakland.
 COST, \$1800

ADDITION

(724) NO. 859 FIFTY-EIGHTH, Oakland. Addition.
 Owner.....John M. Hoffman, 839 53th, Oakland.
 Architect...None.
 Contractor..Bowers Bros., 2568 Shattuck Ave., Berkeley.
 COST, \$650

DWELLING

(728) W PARK BLVD. 450 N Brighton Ave., Oakland. One-story 7-room dwelling.

Owner.....James McGuinness, 5615 E-16th, Oakland.

Architect...None.
 Day's work..... COST, \$3000

ADDITION

(729) W DIMOND AVE, end of street, Oakland. Addition.
 Owner.....Captain Nason, Premises.
 Architect...None.
 Contractor..Geo. H. Lydikson, 1244 29th Ave., Oakland.
 COST, \$600

DWELLING

(730) S E-EIGHTH 100 W 36th Ave., Oakland. One-story 4-room dwlg.
 Owner.....Thos. Petersen, Cor. 36th Ave. and E-8th, Oakland.
 Architect...None.
 Contractor..Geo. H. Lydikson, 1244 29th Ave., Oakland.
 COST, \$1600

DWELLING

(731) E VISTA 360 N Wellington, Oakland. One-story 6-room dwlg.
 Owner.....Paul E. Woodburn, 3965 Greenwood Ave., Oakland.
 Architect...None.
 Day's work..... COST, \$2500

DWELLING

(733) PARK BLVD. (4th Ave) 40 E Portland Ave N 43x100, Oakland. All work for one-story 5-room dwelling
 Owner.....A. L. Jackson, Oakland.
 Architect...None.
 Contractor..M. F. Sommarstrom, 35 Ross Ave., Oakland.

Filed Apr. 20, '15. Dated Apr. 19, '15.
 Frame up ¼
 Brown coated ¼
 Completed and accepted..... ¼
 36 days after..... ¼
 TOTAL COST, \$2900
 Bond, none. Limit, 60 days. Forfeit, none. Plans and specifications filed.

FRAME DWELLING

(734) LOT 45 and ptn Lot 46 lying W line drawn parallel to W boundry line Lot 46 and distant at L 10 E therefrom Map Crocker Highlands, Oakland. Plumbing work and fixtures, water piping and fixtures and gas piping, etc., for two-story and basement frame dwelling.

Owner.....Alta Piedmont Land Co., Oakland.
 Architect...H. H. Gutterson, 80 Post, San Francisco.
 Contractor..G. T. Burtchael and D. Crowley, 1621 Broadway, Oakland.

Filed Apr. 20, 15. Dated Apr. 17, '15.
 Roughed in\$390
 Completed and accepted..... 200
 Usual 35 days..... 200
 TOTAL COST, \$791
 Bond, \$400. Surety, U. S. Fidelity & Guaranty Co. Limit, 88 days. Forfeit, \$5. Plans and specifications filed.

DWELLING

(735) E PARK BLVD 115 S E-33rd, Oakland. Two-story 7-room dwlg.
 Owner.....Cyrilla J. Plunkett, Jr., 2129 E-28th, Oakland.
 Architect...Alvin J. Stern, 306 14th, Oakland.
 Contractor..W. R. Oakley, 1911 65th Ave., Oakland.
 COST, \$3101.50

THEATRE

(737) W TELEGRAPH AVE S6 N 41st
Oakland. One-story moving picture
theatre.
Owner.....Frank Mancini, 506 55th,
Oakland.
Architect...J. Henry Boehrer, Delger
Bldg., Oakland.
Contractor..Boehrer & Legault, Delger
Bldg., Oakland.
COST, \$4300

DWELLING

(738) E PERALTA AVE 80 S Dela-
ware, Oakland. Two-story 7-room
dwelling.
Owner.....A. B. Chase, 1521 79th
Ave., Oakland.
Architect...None.
Day's work. COST, \$3000

FRAME SCHOOL

(739) SW FIFTH AND LINDEN, Oak-
land. Two-story 16-room frame
School.
Owner.....City of Oakland.
Architect...J. J. Donovan, Security
Bank Bldg., Oakland.
Contractor..R. Glaze, 1011 Franklin,
Oakland.
COST, \$35,614

DWELLING

(746) W OPAL 200 S 42nd, Oakland.
Two-story 8-room dwelling.
Owner.....C. A. Watson, 34th E of
Grove, Oakland.
Architect...None.
Contractor..Welsh & Rogers, 3603
Kingsley, Oakland.
COST, \$3675

ALTERATIONS

(747) NO. 1444 BROADWAY, Oakland
Mill work for alterations to office
building.
Owner.....Realty Syndicate, Oakland
Architect...Hamilton Murdock and W.
H. Crim, Jr., 425 Kearny,
San Francisco.
Contractor..Burnham, Standeford Co.,
Inc., 1st and Washington,
Oakland.

Filed Apr. 21, '15. Dated Apr. 15, '15.
All work delivered except
cabinet\$424.25
All work delivered..... 424.25
Usual 35 days..... 283.00
TOTAL COST, \$1131.50
Bond, \$570. Surety, U. S. Fidelity &
Guarantee Co. Limit, as soon as pos-
sible. Limit, none. Specifications only
filed.

DWELLING

(749) S THIRTY-EIGHTH 125 E
Broadway, Oakland. One-story five-
room dwelling.
Owner.....Wm. Steele, 3068 Brook,
Oakland.
Architect...None.
Day's work. COST, \$1800

ALTERATIONS

(750) NO. 1794 NINTH, Oakland.
Oakland. Alterations.
Owner.....P. Bocchini, Premises.
Architect...None.
Contractor..Peo Benassini, 5250 Boyd
Ave., Oakland.
COST, \$900

ADDITION

(751) NW HAWTHORNE & WEBSTER
Oakland. Two-story brick and steel
addition to hospital.
Owner.....Samuel Merritt Hospital,
Premises.
Architect...Walter J. Mathews, 927
Broadway, Oakland.
Contractor..Christensen Bros., 237
Wayne Ave., Oakland.
COST, \$12,000

DWELLING

(752) SE FORTY-SECOND AND
Manila, Oakland. One and one-half-
story 5-room dwelling.
Owner.....F. J. Labor, 6166 Dover,
Oakland.
Architect...None.
Contractor..J. F. Chambers, Plaza
Bldg., Oakland.
COST, \$2500

ADDITION

(753) NO. 1311 NINETY-SIXTH AVE.,
Oakland. Addition.
Owner.....Steve Dutcher, Premises.
Architect...None.
Contractor..John Bender, 1243 89th
Ave., Oakland.
COST, \$400

DWELLING

(754) W MAGNOLIA 110 S 28th, Oak-
land. One-story 6-room dwelling.
Owner.....E. Luirsone, 2516 Poplar,
Oakland.
Architect...None.
Day's work. COST, \$1450

ALTERATIONS

(755) PARK AND BLANDING AVE.,
Alameda. Alterations.
Owner.....Rhodes Jamieson, 1520
Park, Alameda.
Architect...None.
Day's work. COST, \$500

ALTERATIONS

(756) NE TWELFTH & BROADWAY,
Oakland. Alterations.
Owner.....Oakland Bank of Svgs.,
Premises.
Architect...Walter D. Reed, Oakland
Bk of Savings Bldg., Okd.
Contractor..Mangrum & Otter, 561
Mission, San Francisco.
COST, \$2000

REPAIRS

(757) NO. 384 SIXTH AVE., Oakland.
Repairs.
Owner.....Irvine C. Lewis, Premises.
Architect...None.
Contractor..E. P. Stone, 1212 Carrison,
Berkeley.
COST, \$400

DWELLING

(758) NE E-TWENTY-FOURTH AND
9th Ave., Oakland. Garage.
Owner.....Mrs. Darling.
Architect...None.
Contractor..L. D. Gordon, 5142 Con-
gress Ave., Oakland.
COST, \$400

DWELLING

(759) SW SIXTY-THIRD AVE AND
Fortune Way, Oakland. One-story 3-
room dwelling.
Owner.....Cora V. Carden.
Architect...None.
Contractor..C. M. Blabon, 3424 Chaun-
cey, Oakland.
COST, \$600

DWELLING

(760) E OXFORD 400 N Los Angeles
Ave., Oakland. Two-story 5-room
dwelling.
Owner.....P. E. Marquis, 2827 Russell
Oakland.
Architect...None.
Day's work. COST, \$1800

DWELLING

(761) E PERALTA 420 N Gilman,
Oakland. One-story 4-room dwlg.
Owner.....L. A. Wetzel, 1633 Jose-
phine, Oakland.
Architect...None.
Day's work. COST, \$1000

ADDITION

(762) W COLLEGE 150 S Derby, Oak-
land. One-story 4-room dwelling.
Owner.....Christena Magnuson, 2712
College Ave., Oakland.
Architect...None.
Contractor..O. M. Magnuson, 2712 Col-
lege Ave., Oakland.
COST, \$600

DWELLING

(763) W THIRTY-NINTH 325 S
Boulevard, Oakland. Two-story 5-
room dwelling.
Owner.....W. H. Howland,
Architect...None.
Day's work. COST, \$1000

DWELLING

(765) E LAVERNE 100 N Boulevard,
Oakland. One-story 6-room dwlg.
Owner.....J. B. Peppin Jr., San Le-
andro.
Architect...None.
Day's work. COST, \$2000

Building Contracts Awarded.

Berkeley.

No.	Owner	Contractor	Amt.
724	Allison	Larsen	1000
725	Peake	Bailey	2900
727	Donnolly	Hughson	500
732	Olafson	Olafson	1250
736	Dabney	Booth	20000
748	Lalky	Pearson	5000
764	Acheson	Kidder	20000
(766)	766 Dabney	Wold	22498

DWELLING

(724) E MATTHEWS 60 N Derby,
Berkeley. One-story 4-room dwlg.
Owner.....C. H. Allison, 34 Brook-
side Ave., Berkeley.
Architect...None.
Contractor..R. J. Larsen, 339 63rd,
Oakland.
COST, \$1000

DWELLING

(725) E COLUSA 40 S Posen, Ber-
keley. One-story 6-room dwelling.
Owner.....F. R. Peake Co., 2127 Uni-
versity Ave., Berkeley.
Architect...None.
Contractor..Fred E. Bailey, 1803 Carl-
ton, Berkeley.
COST, \$2900

DWELLING

(727) N PARKER 150 E California,
Berkeley. One-story 3-room dwlg.
Owner.....R. M. Donnolly, 1725 Carl-
ton, Berkeley.
Architect...None.
Contractor..Hughson & Donnolly, 1608
Stuart, Berkeley.
COST, \$500

DWELLING

(722) N RUSSELL 336 E San Pablo Ave., Berkeley. One-story 5-room dwelling.

Owner....Elmer Olafson, 351 Athen, San Francisco.

Architect...None.

Day's work. COST, \$1250

APARTMENTS AND STORES

(736) SE COLLEGE AVE & DERBY, Berkeley. Three-story 36-room apartments and 2 stores.

Owner.....Mrs. L. Dabney, 2730 Webster, Berkeley.

Architect...W. L. Schmolle, 166 Geary San Francisco.

Contractor..J. M. Booth, 2730 Webster, Berkeley.

COST, \$20,000

DWELLING

(718) E ARCH 369 N Vine, Berkeley. Three-story 11-room dwelling.

Owner.....Mary A. Lalay, 1905 Berryman, Berkeley.

Architect...None.

Contractor..Ben Pearson, 2403 Grant, Berkeley.

COST, \$5000

CLASS "C" STORE BUILDING

(761) NW UNIVERSITY AVE AND Home, Berkeley. One-story 2-room Class "C" store building.

Owner.....Wm. Acheson, Berkeley.

Architect...James W. Plachek, Acheson Bldg., Berkeley.

Contractor..Kidder & McCullough, 2025 Addison, Berkeley.

COST, \$20,000

FRAME APARTMENTS AND STORES

(766) SE COLLEGE AVE & DERBY S 52xE 110, Berkeley. All work for two-story frame apartments and stores.

Owner.....Lina Dabney, 2730 Webster, Berkeley.

Architect...W. L. Schmolle, 166 Geary, San Francisco.

Contractor..C. L. Wold Co., 75 Sutter, San Francisco.

Filed Apr. 23, '15. Dated Apr. 20, '15.

As work progresses..... 75%

Usual 35 days..... 25%

TOTAL COST, \$22,498

Bond, \$11,249. Surety, Hartford Accident & Indemnity Co. Limit, 110 days.

Forfeit, \$25. Plans and specifications filed.

Alameda.

No.	Owner	Contractor	Amt.
740	Noble	Noble	1600
741	Hillen	Hillen	2000
742	Joost	Arada	500
743	Heritage	Brown	500
744	Myall	Burton	750
745	Toombs	Toombs	500

(740) NO. 2524 BUENA VISTA, Alameda. One-story 5-room dwelling.

Owner.....G. H. Noble, 2220 Central Ave., Alameda.

Architect...None.

Day's work. COST, \$1600

DWELLING

(741) NO. 141 CENTRAL AVE., Alameda. One-story 5-room dwelling.

Owner.....R. C. Hillen, 130 Haight Ave., Alameda.

Architect...None.

Day's work. COST, \$2000

ALTERATIONS

(712) NO. 1509 FERNSIDE BLVD.

Alameda. Alterations.

Owner.....Hy Joost, Premises.

Architect...None.

Contractor..T. Arada, 861 Oak, Ala.

COST, \$500

ALTERATIONS

(743) NO. 2308 SANTA CLARA AVE., Alameda. Alterations.

Owner.....J. Heritage, 1523 Stanton, Alameda.

Architect...None.

Contractor..C. A. Brown, 2317 Alameda Ave., Alameda.

COST, \$500

ALTERATIONS

(744) NO. 1635 EVERETT, Alameda. Alterations.

Owner.....C. C. Myall, Premises.

Architect...None.

Contractor..Chas. Burton, 993 Park, Alameda.

COST, \$750

DWELLING

(745) NO. 714 LINCOLN AVE., Alameda. One-story 3-room dwelling.

Owner.....Mrs. M. A. Toombs, Prem.

Architect...None.

Contractor..Ned Toombs.

COST, \$500

COMPLETION NOTICES.

ALAMEDA COUNTY

Apr. 16, 1915—LOT 2 BLK "C" Map 4th Avenue Terrace, Okd. Paul E Woodburn to whom it may concern.....April 16, 1915

Apr. 17, 1915—NW WALNUT AVE & Lilac, being Lot 20 Blk 5 Brookdale Terrace, Okd. Robert Davies to O G Smith.....Apr. 12, 1915

Apr. 17, 1915—PTN LOTS 8 AND 9, Peralta Heights Tract on Cor. E-18th and 4th Avenue right of way of O T Co., Okd. Cyrrilla J Plunkett to Edwin C Graff.Apr. 16, 1915

Apr. 21, 1915—LOT 19 BLK "B" Claremont Court, Bkly. L R Markell to C M Blabon....Apr. 16, 1915

Apr. 21, 1915—NW 45 LOT 3 BLK "A" Map Piedmont Vista Tract, Piedmont. Wm H Hoyt to E Lundberg.....Apr. 8, 1907 (as recorded)

Apr. 22, 1915—LOT 6 BLK "B" Amended Map Christiana Tract, Bkly. Carl Ericsson to whom it may concern.....Apr. 22, 1915

Apr. 22, 1915—LOT 8 BLK 1, Colusa Ave Ext, Bkly. J S Hanson to Fred E Bailey and C G Betz....Apr. 21, 1915

Apr. 22, 1915—S 2 LOT 23 and all Lot 22 and N 11 Lot 21 Map Holway & Lanes Tract, Okd. William H Sims to whom it may concern....Apr. 21, 1915

Apr. 22, 1915—N CHANNING WAY 111 from E line McKinley Ave E 32xN 120, Bkly. James W Kraftt to whom it may concern....Apr. 22, 1915

Apr. 22, 1915—PTN LOTS 7 AND 8 Blk 21 Map Northbrae, Bkly. C E Sinclair to whom it may concern.....April 20, 1915

Apr. 23, 1915—ASHMONT AVE at Cor. Lots 98 and 206 NE on curve to right 116.24 NW 150 W 109.36 SW 93.90 SE 181.31 NE 136.16, Okd. Anne J Larkey to J F Dingwell....Apr. 23, 1915

LIENS FILED.

ALAMEDA COUNTY.

Apr. 13, 1915—NE FIFTEENTH & Broadway N 124xE 100, Oakland. Downey Glass & Paint Co vs Helen McCrum, John Yule, James Crichton, East Bay Title Co, A S MacDougall, A P Holland, Stocker & Holland Abstract Co.....\$223.22

Apr. 14, 1915—PTN LOT 83, Fruitvale Add'n Tract lying S ln drawn from point on E Bartlett 39½ N Brookdale Ave line running E and parallel to E line Lot 83, Okd. John P Maxwell (Maxwell Hardware Co) vs Oakland Homes Corporation.....\$112.22

Apr. 17, 1915—S SIXTH 100 W Broadway W 50xS 100, Okd. California Metal Works vs S Klein and Greater Oakland Free Market..\$135 S 30 LOT 135 and N 10 Lot 134, Fruitvale Add'n Tract, Okd., \$63.43. S 10 LOT 137 and N 30 Lot 126, Fruitvale Add'n Tract, Okd., \$56.91. John P Maxwell (Maxwell Hardware Co) vs Oakland Homes Corporation.....

Apr. 13, 1915—SE SANTA CLARA Ave and Broadway S 41.6xE 50.2, Ala. Joseph A McGowan vs A J Frank and Carl Overaa....\$37?

Apr. 21, 1915—LOTS 307, 309 & 311, Map Terminal Junction Tct, Okd. F I Peacock vs A P Buchanan..\$930

SAN JOSE AND THE SANTA CLARA VALLEY

BRIDGE—Reinforced concrete and steel. Cost not stated. San Jose, Santa Clara Co., Cal. Engineer County Surveyor, San Jose. Owners, Santa Clara County. Plans and specifications prepared by the County Surveyor for a reinforced concrete bridge on the San Jose and Los Gatos road over Los Gatos Creek have been adopted by the County Supervisors and bids for the structure will be opened on May 10th at 11 a. m. Further information together with plans and specifications may be had from the County Surveyor at San Jose.

STREET PAVING—Cost not stated. San Jose, Santa Clara Co., Cal. Engineer, Milton Maggini, San Jose. Owners, City of San Jose. At the last meeting of the City Council bids were ordered advertised for on the paving of Grant street from First to Delmas avenue. At the same meeting the Council adopted resolutions of intention for the paving of the following streets: Taylor street, First to Thirteenth; First street, San Salvador to San Carlos; William street, Third to Sixteenth; San Carlos Tenth to Fourteenth.

HIGHWAY IMPROVEMENT — Cost not stated. Salinas, Monterey Co., Cal. Engineer, County Surveyor Salinas. Owners, Monterey County. Plans are complete and figures will be opened on May 10th for the improvement of the Salinas-Watsonville road; also for the improvement of a portion of the Watsonville-San Juan road. Plans and specifications can be secured from the County Clerk's office.

RESIENC — 2 story and base, frame, \$25,000. Woodside, San Mateo Co., Cal. Architect, Houghton Sawyer, Shreve Bldg., S. F. Owner, Mrs. Dress-

er. The dwelling has been designed for a large country home. There will be extensive gardens and a garage and stables in connection with the house. Interior will be finished in pine and hardwood. Bed rooms will be finished in white enamel. Hardwood floors will be used throughout. There will be steam heat, open fire places and vacuum cleaning. A hot water circulating system will be installed. Bath rooms will be finished in tile. Exterior of the house and out buildings will be covered with cement plaster on metal lath. Plans are being prepared.

Contracts Awarded.

SEWER WORK—\$2,085. Monterey, Monterey Co., Cal. Engineer, City Engineer Monterey. Owners, City of Monterey. Contractors, Schuyler & Edwards, Oakland. Contract price, \$2,-85.

BUILDING CONTRACTS

SAN MATEO COUNTY.

ALTERATIONS AND ADDITIONS

PTN LOT 15 Map of Villa Lots at Fair Oaks. All work for alterations and additions to frame residence.

Owner.....Elsa A. Wiel, Atherton, (Fair Oaks.)

Architect...Sylvain Schnaittacher, 233 Post, San Francisco.

Contractor...Frank W. Fox.

Filed Apr. 16, '15. Dated Apr. 14, '15.

All work completed.....\$843

Usual 35 days.....282

TOTAL COST, \$1125

Bond, \$563. Surety, National Surety Co. Limit, 30 days. Forfeit, \$10. Plans and specifications filed.

BUNGALOW

LOT 6 BLK 13, Re-sbdivn of Dingee Park, San Mateo. Concrete, brick and stone work, hardware, varnishing, etc., for one-story frame and plaster bungalow.

Owner.....J. P. H. Dykes, Redwood City.

Architect...None.

Contractor...Harry H. Putnam, Redwood City.

Filed Apr. 16, '15. Dated Apr. 14, '15.

Frame completed\$710

Exterior and roof completed.... 710

Plastering completed 710

Completed and accepted..... 711

Usual 35 days..... 947

TOTAL COST, \$3783

Bond, none. Limit, 60 days. Forfeit, none. Plans and specifications filed.

FRAME DWELLINGS

LOTS 21 AND 20 BLK 12, Crocker Yct. Sbdvn No. 1, San Mateo. All work for two one-story frame dwellings.

Owner.....F. Marty.

Architect...None.

Contractor...J. J. Doering.

Filed Apr. 22, '15. Dated Apr. 19, '15.

Concrete foundations all settled and dry\$535

Frame up and rustic on and roof shingled 535

Lathing and 1st coat plaster on.. 535

Both houses completed and accepted 535

Usual 35 days..... 708

TOTAL COST, \$2848

Bond, none. Limit, 60 days. Forfeit, \$1. Plans and specifications filed.

COMPLETION NOTICES

SAN MATEO COUNTY.

RECORDED ACCEPTED

Apr. 14, 1915—NW LINDEN AVE & the Alley bet. Grand and Baden

Aves, San Mateo. E E Cunningham and Marianne G Martin to Jones & Brunner.....Apr. 14, 1915

Apr. 14, 1915—LOT 1 BLK 5 North Palo Alto. Henrietta C von Gehren to Floyd L Baird & Earl D Baird

April 10, 1915

Apr. 15, 1915—HILLSBOROUGH. Wm H Crocker to American Marble & Mosaic Co.....Apr. 14, 1915

Apr. 16, 1915—LOT 6 BLK 12 Re-sub of Dingee Park. H H Putnam and Irene V B Putnam to whom it may concern.....Apr. 15, 1915

Apr. 17, 1915—LOTS 9, 10, 11, 12, 13 and 14 Blk 23, Town of Burlingame The Burlingame Grammar School District to J J Leonard.....Mar. 31, 1915

Apr. 20, 1915—GREENLAWN CEMETERY, San Mateo. C P Gibbons to Raymond Granite Co., Inc.....

April 15, 1915

Apr. 21, 1915—LOTS 9, 10, 11, 12, 13 and 14 Blk 23, Town of Burlingame Burlingame Grammar School District to Pacific Blower & Heating Co.....March 31, 1915

Apr. 21, 1915—HOLY CROSS CEMETERY E Station 2 Area 3 Plot 4. Antoine Vayssie to H U Realing.. ..April 12, 1915

BUILDER'S BOND.

SAN MATEO COUNTY.

Apr. 21, 1915—LOT 4 BLK 2 Sbdvn Lots 1, 2 and 3 of San Mateo Park. Contract filed March 4, 1915. Owner, Chester W. O'Neill; contractor, Myrl R. Crane; sureties, Pacific Casualty Co.; bond \$2350. (Chester W. O'Neill's interest assigned to Edgar Sinshaimer).

MARIN, CONTRA COSTA AND SONOMA COUNTIES.

HOTEL—2 story and base, frame, \$35,000. Sausalito, Marin Co., Cal. Architects, O'Brien Bros., 240 Montgomery street, S. F. Owner, Henry Kruse, Sausalito. The building will cover a considerable ground area and is designed for a number of stores, a cafe, saloon and an entrance to the hotel on the first floor. Upper floor will be arranged for a number of private rooms and bath. Interior finish will be of pine and mahogany. There will be a hot water supply. Bath rooms will be finished in tile. Patent store fronts are specified. Exterior of the building will be covered with cement plaster on metal lath. Plans are now being prepared.

SCHOOLS—1 story and base, frame. Cost not stated. Sebastopol, Sonoma Co., Cal. Architect not given. Owner Sebastopol School District. Revised figures are now being called for the construction, including heating and vacuum cleaning, for a one-story frame grammar school building. The structure will contain four class rooms and an assembly hall. Interior will be finished in pine. Exterior of the dwell-

ing will be covered with rustic and shingles. Plans can be secured at the Jones Hardware Co., Sebastopol. Bids will be opened on April 30th at 8 p. m.

SCHOOL ADDITION—1 story and base, brick, \$8,425. Richmond, Contra Costa Co., Cal. Architect, James T. Narbett, Berry Bldg., Richmond. Owners, City of Richmond. Bids were opened for the addition of four class rooms and an assembly hall to the Fairmount School and show W. H. Ecker, 1306 Bissell avenue, Richmond, low on the work at \$8,425.25 and he has been awarded the contract. Bids were also opened for the heating and ventilating and show Dickson & Holbrook of Richmond low at \$1,346. No award has been made.

BRIDGE—Reinforced concrete. Cost not stated. Santa Rosa Sonoma Co., Cal. Engineer, County Surveyor Malcolm P. Youker, Santa Rosa. Owners, Sonoma County. The County Board of Supervisors has instructed County Surveyor Malcolm P. Youker to prepare plans and specifications for the rebuilding of the Lambert bridge, which was washed out in the February storms. When the plans have been adopted the Board will direct the Clerk to advertise for bids.

BRIDGE—Steel and concrete, \$60,000. Martinez Contra Costa Co., Cal. Engineer, County Surveyor, Martinez. Owners, Contra Costa County. The Board of Supervisors has issued a call for bids for the Borden road bridge across Old River, near Byron. The approximate cost of the structure is placed at \$60,000. It is to be of steel construction with cement piling.

ROAD WORK—Cost not stated. San Rafael, Marin Co., Cal. Engineer, County Surveyor, San Rafael. Owners, Marin County. Plans have been completed and figures will be opened on May 4th for grading and straightening that portion of the road known as the Bolinas and Sausalito road from the junction of the Bolinas and San Rafael road at the head of Bolinas Bay southerly along the east side of said bay for a distance of 3 4-10 miles all in Road Districts Nos. 2 and 3. Plans and specifications can be secured from the office of the County Clerk.

HOTEL—2 story and base, frame, \$35,000. Sausalito, Marin Co., Cal. Architects, O'Brien Bros., 240 Montgomery street, S. F. Owner, Henry Kruse. The building will have a frontage of 206 feet and a depth of 48 feet, and has been designed for five stores on the first floor besides the hotel entrance, saloon, cafe and dining room. Upper floor will contain a total of fourteen rooms, all of which will have private baths. Interior will be finished in pine and mahogany. There will be a hot water system. Exterior of the building will be covered with cement plaster on metal lath. Plans are complete and figures are being taken.

BUILDING CONTRACTS

CONTRA COSTA COUNTY.

BUNGALOW

LOT 10 BLK 63, as laid out in Map "Official Map of City of Pittsburg."

Wybro

Reg. U. S. Pat. Office
Veneered Panels that
ARE good—order
today from

Avoid Complaints—Use Wybro Panels.

When that particular job requires SERVICE PANELS, then be sure you use Wybro veneered panels. No other panels on the market can approach the Wybro quality.

Wybro Panels do not blister or crack—they are always smooth and even.

To avoid complaints, protect yourself with WYBRO QUALITY PANELS.

White Brothers

5th and Brannan Streets

San Francisco

All work for four room bungalow.
Owner.....C. A. Hooper & Co., Balboa
Bldg., San Francisco.

Architect...None.

Contractor...J. H. Mosquillo.

Filed Apr. 17, '15. Dated Apr. 16, '15.

Floor joists laid.....\$400

Floor completed.....100

Completed and accepted.....400

Usual 35 days.....125

TOTAL COST, \$1625

Bond, \$812.50. Sureties, A. V. McFarland and Casper Cantulla. Limit, 60 days from date of agreement. Forfeit, none. Plans and specifications filed.

BRICK ADDITION

LOTS 9 TO 28, both numbers inclusive, Blk 10, Turpin Add'n, City of Richmond. Excavation, concrete and cement work, brick, carpenter, roofing, plumbing, plastering, painting, electric work, iron, tinting and all other work for brick veneer Class "C" addition to Peres School Building.

Owner.....Board of Education of City of Richmond.

Architect...James T. Narbett, Berry Bldg., Richmond.

Contractor...J. S. Hannah, 614 O'Farrell San Francisco.

Filed Apr. 15, '15. Dated Apr. 15, '15.

During last week of each month certificate will be issued to contractor by supervising architect for amount of 75% of valuation of all work installed.....

Completed and accepted.....25%

TOTAL COST, \$10,341

Bond, \$5,1750.50. Surety, Hartford Accident & Indemnity Co. Limit, With-

in 30 days. Forfeit, none. Plans and specifications filed.

HEATING AND VENTILATING SYSTEM on above.

Engineer...Leland & Haley.

Contractor...J. E. O'Mara, 449 Minna, San Francisco.

Filed Apr. 15, '15. Dated Apr. 9, '15.

Monthly payments of 75% of work installed.....

Usual 35 days.....Balance

TOTAL COST, \$1844

Bond, \$922. Surety, Fidelity & Deposit Co. of Maryland. Limit, as soon as building is completed. Forfeit, none. Plans and specifications filed.

LIENS FILED

MARIN COUNTY.

RECORDED AMOUNT

Apr. 29, 1915. SAN ANSELMO. Mrs. M Lavaron to H H Jepsen. Apr 10, '15

LIENS FILED.

CONTRA COSTA COUNTY

RECORDED AMOUNT

Apr. 17, 1915— LOT 6 BLK 11, City of Richmond. A M Coleman vs E A Daphkins.....\$193

FRESNO, MODESTO, STANISLAUS AND CENTRAL CALIFORNIA

RAILROAD CONSTRUCTION — Cost

not stated. Fresno Fresno Co., Cal. Engineer, Engineering Department, Fresno Interurban Railway. Owner, Fresno Interurban Railroad Co. A

E. H. Williams Chalmer Munday

Munday & Williams

Attorneys-at-Law

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franchise to run cars of the Fresno Interurban Railroad Co. through the streets of the city has been granted to John B. Rogers, president of the company. Mr. Rogers declares that he will start construction within ninety days. The line will embrace several of the principal thoroughfares of the city. Bids for materials will be called for shortly. Further mention will be made of this work.

OIL RESERVOIR—Cost not stated. McKittrick, Kern Co., Cal. Engineer, Claude Pearsons, McKittrick. Owners, East Puente Oil Co. The East Puente Oil Co., which operates leases in the north end of the McKittrick District, known as Nos. 1 and 2, this week began the construction of a reservoir with a capacity of 75,000 barrels. The work is being done under the supervision of Superintendent Claude Pearsons.

STREET PAVING—Cost not stated. Porterville, Tulare Co., Cal. Engineer, City Engineer Althouse, Porterville. Owners, City of Porterville. City Engineer Althouse is now preparing plans and specifications for the paving of Ducommon street, E street, Fig street Murray avenue and portions of Second and Thurman streets to be constructed in addition to the thirty-three blocks of paving now underway. He is also preparing an estimate of the cost of paving the streets which border the campus of the Porterville Union High School. Residents of East Granito, on which the high school is located, have asked the Council for paving on their streets.

Williamson's Continuous Clothes Line Outfit

Clothes Line Problem Solved At Last

DOUBLE your line space, use all the line. No empty top line, keeps the clothes free from the soiled line, making it sanitary. Take clothes off any part of line without removing the wet clothes.

CONSTRUCTION: The pulleys are made of cast iron galvanized; so constructed as to allow the patent clothes pins to pass through carrying the clothes around the pulleys, thereby using both lines.

BY using three pulleys, the lines are spread apart as shown in the picture and allows you to put clothes on or take them off the line without hanging out of the window side-ways. The clothes pin is made of heavy galvanized wire formed in such a manner as to allow it to be fastened to the clothes line very easily; nothing complicated to get out of order. Holds the clothes free from the line so the lines need not be covered with cloth-strips in order to keep the clothes from being soiled from the line. The strongest wind cannot blow the clothes out of the pins as they are held in a spring slot. When the wind blows it pulls the clothes deeper into the slot holding them tighter.

NO SPRINGS TO PRESS OR SQUEEZE
to get the clothes in or out. Just slip clothes in slot and pull down. WILL hold the daintiest fabrics or the heaviest blanket. 1340 Mission St. Phone Mkt. 4008.

THIS OUTFIT CONSISTS OF 3 DOZEN
Sanitary, Stronghold, Clothes Pins, 3 Continuous Clothes Line Pulleys and 1 Pair Line Splacers.
Price, \$2.00 per Set.

RESIDENCE—2 story and base, frame \$8,000. Visalia, Tulare Co., Cal. Architect, Frederick L. Swartz, Rowell Bldg., Fresno. Owner, Mrs. F. Bodden. The dwelling has been designed for an eight-room house with bath and sleeping porch. Interior will be finished in pine and hardwood veneer. Hardwood floors will be used in the living room, dining room and reception hall. There will be furnace heat and open fire places. Mantels will be of tile or brick. Bath room will be finished in tile. An automatic water heater will be installed. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are now being prepared.

SCHOOL—1 story and base, frame. Cost not stated. Shafter, Kern Co., Cal. Architect, J. M. Saffell, Fiske Bldg., Bakersfield. Owners, Richland School District. The building has been designed to contain three class rooms. Interiors will be finished in pine. There will be a central heating system. Exterior of the building will be covered with cement plaster on metal lath. Plans are complete and figures are being taken. Bids will be opened on May 6th. Plans and specifications can be secured from the architect.

SCHOOL—1 story and base, brick, \$20,000. Delano, Kern Co., Cal. Architect, J. M. Saffell, Fiske Bldg., Bakersfield. Owners, Delano School District. The building will contain a number of class rooms and an assembly hall. Interior will be finished in pine. Maple floors will be used in the class rooms. Either a hot air or steam heating system will be installed, bids being called for both systems. Exterior of the building will be faced with pressed brick. Plans are complete and figures are being taken. Bids will be opened on May 4th. Plans and specifications can be secured from the architect.

SEWERS—Cost not stated. Bakersfield, Kern Co., Cal. Engineer, City Engineer, Bakersfield. Owners, City of Bakersfield. A petition presented to the City Council some weeks ago, asking that sewers be constructed in blocks 125 and 126, has been acted upon and the City Engineer has been instructed to prepare plans and specifications for the work. Bids will be called for on the completion of the plans.

LODGE HALL—3 story and base, reinforced concrete, \$40,000. Los Banos, Merced Co., Cal. Architect, Ernest J. Kump, Rowell Bldg., Fresno. Owners, Los Banos Odd Fellows' Hall Association. The building will be designed for stores on the first floor and lodge rooms, banquet hall, library and living apartments on the upper floors. Interior will be finished in pine and hardwood veneer. Maple floor will be used in the ball room. There will be steam heat and open fire places. Mantels will be of tile. Patent store fronts are specified. Exterior of the building will be faced with cement plaster. Plans are now being prepared.

Contracts Awarded.

LODGE HALL AND STORES 2 story and base, reinforced concrete,

Cost not stated. Fresno, Fresno Co., Cal. Architect Frederick L. Swartz, Rowell Bldg., Fresno. Owner, F. M. Roessler. Contractor, Frank Rehorn, 1059 South street, Fresno. Contract price not stated.

HOSPITAL—2 story and base, frame, \$12,500. Fresno, Fresno Co., Cal. Architects Glass & Butner, Rowell Bldg., Fresno. Owners Fresno County. Contractor, G. H. Walley, 135 Diana street, Fresno. Contract price, \$12,500. The Hansen Construction Co. was awarded the contract on its bids of \$3,650 for the construction of the physician's residence at the Fresno County Hospital.

GARAGE—2 story and base reinforced concrete, \$40,000. Fresno, Fresno Co., Cal. Architect, Eugene Mathewson, Forsythe Bldg., Fresno. Owner, J. D. Phelan. Contractors, Trewhitt & Shields, Rowell Bldg., Fresno. Contract price, \$41,000.

BUILDING CONTRACTS.

FRESNO COUNTY.

FRAME APARTMENTS
NE 62½ feet Lots 13 to 16 Blk 110, Fresno. All work for frame apartment building.
Owner....Ralph J. Wofford.
Architect...J. C. Thayer, 349 Forsyth Bldg., Fresno.
Contractor..W. R. Norris and F. J. Wallace.

Filed Apr. 21, '15. Dated Apr. 19, '15.
1st floor joists in.....\$1587
frame completed 1587
Roofed and plastered..... 1587
Completed 1587
Usual 35 days..... 2116

TOTAL COST, \$8464
Bond, \$232. Surety, Southwestern Surety Co. Limit, 90 days. Forfeit, none. Plans and specifications filed.

FRAME AND CONCRETE DWELLING
LOTS 4 AND 5 BLK 11 Alhambra Tct., Fresno. All work for two-story frame and concrete dwelling.
Owner.....Jos. Maracci, 1153 J St., Fresno.

Architect...E. J. Kump, 227 Rowell Bldg., Fresno.
Contractor..Jas. L. Daly.

Filed Apr. 21, '15. Dated Apr. 21, '15.
On 1st of each month..... 75%
Usual 35 days.....Balance

TOTAL COST, \$6941
Bond, \$4000. Sureties, G. A. Howell and Dan McNamara. Limit, 90 days. Forfeit, none. Plans and specifications filed.

BRICK BUILDING
LOTS 5, 6 Ptn Lot 4 Blk 72, Fresno. All work for two-story and basement brick building.
Owner.....Mary E. Berry.
Architect...R. F. Felchlin, Rowell Bldg., Fresno.

Day's work or by sub-contractors.
Filed Apr. 21, '15. Dated Apr. 20, '15.
Each month 75%
Usual 35 days.....Balance
TOTAL COST, not more than \$13,971
Bond, \$7000. Surety, E. F. Lacour. Limit, 80 days. Forfeit, none. Plans and specifications filed.

HEATING AND VENTILATING
FRESNO. Heating and ventilating system in Washington Grammar School.

Owner.....City of Fresno School Dist
Architect...E. Mathewson, Forsyth Bldg., Fresno.

Contractor..J. C. Hurley & J. A. Nelson
Filed Apr. 17, '15. Dated Mar. 19, '15.
Boiler, fans, motors, washer, vento, piping, oil tanks and ducts installed\$3240
Completed 3000
Usual 35 days..... 2080

TOTAL COST, \$8320
Bond, \$4500. Surety, Pacific Coast Casualty Co. Limit, Sept. 1, 1915. Forfeit, none. Plans and specifications filed.

DWELLING AND GARAGE
LOTS 3 AND 4 BLK 71, K B Heights, Fresno. Dwelling and garage.
Owner.....Ole Synoground.
Architect...None.

Contractor..Geo. P. Wells, 1622 Modoc St., Fresno.

COST, \$1110

LIENS FILED.

FRESNO COUNTY.

RECORDED	AMOUNT
Apr. 19, 1915—LOT 37 Plat "A", Mt. Campbell Orange Tract, Fresno.	
Frank J Davis vs A L Kreiss....	\$95
Apr. 21, 1915—LOTS 12, 13 14 BLK 70, Fresno. Fresno Planing Mill Co vs Roeding Estate Co and C M Wright	\$28

COMPLETION NOTICES

FRESNO COUNTY.

RECORDED	ACCEPTED
Apr. 19, 1915—LOT 20 BLK 1, Wood-bawn. F M Bronaugh to Lee R Dunean	April 15, 1915
Apr. 21, 1915—LOT 4 BLK 19 Alta Vista, Fresno. F B Billing to whom it may concern.....	April 15, 1915

SACRAMENTO, STOCKTON AND NORTHERN CALIFORNIA.

RESIDENCE—2 story and base, concrete block, \$4,000. Sacramento, Cal. Architect none. Owner, Fred Lohman, 1717 24th street, Sacramento. The dwelling has been designed for a seven-room house with bath and sleeping porch. Interior will be finished in pine and redwood. Bed rooms will be finished in white enamel. Hardwood floors will be used in the principal rooms. There will be furnace heat and open fire places. Mantels will be of tile or brick. Tile wainscot will be used in the bath room and kitchen. An automatic water heater will be installed. Exterior of the dwelling will be of imitation stone. Plans are complete and in the hands of the owner who will do the work by Day Labor.

RESIDENCE—1 story and base, frame, \$2,000. Sacramento, Cal. Architect, none. Owner, Wm. M. Morris, 2214 H street Sacramento. The dwelling has been designed for a six-room house and will be finished in pine and redwood. Hardwood floors will be used in the principal rooms. There will be

a large open fire place in the dining room with tile or brick mantel. Bath room will be finished in imitation tile. An automatic water heater will be installed. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor.

LIBRARY—1 story and base, brick, \$7,335. Willits, Mendocino Co., Cal. Architect, Tobias Bearwald, Merchants' National Bank Bldg., S. F. Owners, City of Willits. Nine bids were opened by the library trustees for the construction of a new building. The lowest bid was received from Arthur Elvin, 3854 23rd street, San Francisco. This bid was for \$7,335. He was awarded the contract.

STORE AND OFFICE ALTERATION—\$15,000. Stockton, San Joaquin Co., Cal. Architect, Glenn Allen, Monadnock Bldg. S. F. Owners, Clark-Henry Co. The Clark-Henry Building in Stockton will undergo extensive alteration and modernization. The work will include re-arrangements of interior partitions, new plastering, plumbing, electric work and interior finish. A modern elevator will also be installed. No exterior alteration is contemplated. Plans are complete and figures will be taken the early part of next week.

BRIDGES—3, cable and reinforced concrete, \$75,000. Eureka, Humboldt Co. Cal. Engineer, County Surveyor Logan Eureka. Owners, Humboldt County. At the last meeting of the Board of Supervisors plans were made for the expenditure of \$75,000 for the construction of three bridges. The location and types of construction follow: Over Eel River at Scotia across the State Highway to cost \$45,000. This structure will be a cable suspension viaduct, but will be 700 feet long, as against 520 for the old bridge, and will be carried by 30 cables, 15 on each side. The additional length is given the bridge in order that the anchor towers for the cables shall be well up to the bank from the river where bed rock can be found. Over Klamath River on the Hoopa-Orleans road to cost \$9,000. This bridge will replace the present Gist ferry used there, and with the completion of the road into Hoopa over Bair's Mountain from Redwood Creek, will give two routes from here to New Orleans and thus into Siskiyou County via Salmon River. The remaining bridge, for which plans have already been ordered, is to be erected across Salmon Creek on the State Highway. This structure will be of concrete construction, comprising two 30-foot spans, and will probably cost \$8,000 or \$9,000. Bids on all the work will be called by the Supervisors immediately.

BRIDGE—Reinforced concrete. Cost not stated. Sheridan, Placer Co., Cal. Engineer, County Surveyor, Auburn. Owners, Placer County. Plans and specifications for a new reinforced concrete bridge to be erected near Sheridan have been completed and are now out for figures. The bridge is on the line of the new State Highway. Bids will be opened on May 14th. Plans

and specifications can be secured from the office of the County Clerk.

IRRIGATION SYSTEM—Cost not stated. Willows, Glenn Co., Cal. Engineer, John P. Ryan, Willows. Owners, Willows Irrigation District. John P. Ryan, a local civil engineer, has announced preliminary plans for irrigating 25,000 acres in the foothills west of Willows with water from Stony Creek. What action will be taken has not yet been made public.

RESIDENCE—2 story and base, frame, \$10,000. Stockton, San Joaquin Co., Cal. Architect, Joseph Losekann, San Joaquin Bldg., Stockton. Owner, Thomas Lewis. The dwelling will be erected on a large lot in North Stockton, and has been designed for a nine-room house with two baths sleeping porch and garage. Interior finish will be of pine and hardwood with white enamel in the bed rooms. Hardwood floors will be used in the principal rooms. There will be furnace heat, open fire places and a hot water circulating system. Bath rooms will be finished in tile. Vacuum cleaning is specified. Exterior of the building will be covered with cement plaster on metal lath. Plans are now being prepared.

CITY HALL PAINTING—Cost not stated. Washington, Yolo Co., Cal. Architect, none. Owners, Town of Washington. Plans are complete and figures will be opened on May 3rd for painting the Town Hall. Plans and complete information can be secured from the County Clerk, Woodland.

SCHOOL ADDITION—1 story, frame, \$4,000. French Camp, San Joaquin Co., Cal. Architect, Ralph P. Morrell, Odd Fellows' Bldg., Stockton. Owners, French Camp School District. Plans are complete and figures will be opened on May 5th for constructing a two-room addition to the present school building. Plans and specifications can be secured from the architect.

SCHOOL REPAIRS—Frame construction. Cost not stated. Gridley, Butte Co., Cal. Architect, none. Owners, Gridley School District. Bids will be opened on May 6th for repairs to the Gridley school building recently damaged by fire. Plans and specifications for this work can be secured on application to Clerk of the Gridley School District, Gridley, Cal.

Bids Opened For Willits Library.

Nine Sets of Figures Received and
Contract Awarded to Arthur Elvin
of San Francisco.

Nine sets of bids were opened by the Library Trustees of the town of Willits, Mendocino County, for the construction of a one-story and basement brick library building, designed by Architect Tobias Bearwald. Arthur Elvin, 3854 23rd street, San Francisco, submitted the lowest bid at \$7,335 and was awarded the contract. Following is a complete list of the bids opened:

Willits Library.

Arthur Elvin\$7,335
L. A. Rose..... 7,398

George Thompson 7,452
T. J. Murray..... 7,752
Harvey A. Klyce..... 8,373
MacLeran & Peterson..... 8,650
J. E. Beck..... 8,700
Petterson & Persson..... 8,800
John Monk 8,897

COMPLETION NOTICES

SACRAMENTO COUNTY.

CONCRETE BLOCK RESIDENCE
NO. 2916 O ST., on W ½ of Lot 3, O. P., 29th and 30th Sts., Sacramento. Two story concrete block residence.
Owner.....Fred Lohman, 1717 24th St., Sacramento.

Architect...None.

Day's work.

COST, \$4000

HOTEL, STORE, ETC.

NO. 209 N ST., on W 30 feet of S ½ Lot 7, M, N, 2nd and 3rd Sts., Sacramento. Two-story brick hotel, store building and lodging house.

Owner.....Karm Singh, 211 N St., Sacramento.

Architect...None.

Contractor...W. McCoy & W. Ludwick, 3000 I St., Sacramento.

COST, \$3000

RESIDENCE

NO. 2319 X ST., on W ½ of Lot 6, W, X, 23rd and 24th Sts., Sacramento. Six-room residence.

Owner.....Wm. M. Morris, 2214 H St., Sacramento.

Architect...None.

Day's work.

COST, \$2000

FLATS

NO. 1700 TWELFTH ST., on N ½ of S ½ Lot 4, Q, R, 11th and 12th Sts., Sacramento. Two-story residence (flats.)

Owner.....John Daroux, 1130 Q St., Sacramento.

Architect...None.

Contractor...Thielbar & Bender, North Sacramento.

COST, \$1900

RESIDENCE

NO. 810 T ST., on W ½ of N ½ of Lot 2, T, U, 8th and 9th Sts., Sacramento. Four-room residence.

Owner.....Antonio Jurach, 6th and K Sts., Sacramento.

Architect...None.

Contractor...D. Tatti & F. Corey, 2116 O St., Sacramento.

COST, \$1500

RESIDENCE

NO. 814 T ST., on E ½ of N ½ Lot 2, T, U, 8th and 9th Sts., Sacramento. Four-room frame residence.

Owner.....John Jurach.

Architect...None.

Contractor...D. Tatti & F. Corey, 2116 O St., Sacramento.

COST, \$1500

MOVE AND REMODEL DWELLING

NO. 610 THIRTEENTH ST., on N 40 feet of S 90 feet Lot 5 and N 40 feet of S 90 feet of E 20 Lot 6, F. G. 12th and 13th Sts., Sacramento. Move dwelling to rear of lot and remodel same.

Owner.....W. H. B. Kellam, 614 13th St., Sacramento.

Architect...None.

Contractor..G. B. Stahl, Colonial Heights, Sacramento.
COST, \$600

BUILDING CONTRACTS

SAN JOAQUIN COUNTY.

FRAME BUILDING
NEAR WOODBRIDGE. All work except plumbing and sheet metal work for one-story frame building.
Owner.....J. S. Gerard, Jr., Lodi, Cal.
Architect...Joseph Losekann, 79 San Joaquin Bldg., Stockton.
Contractor...A. J. McPhee & Sons, N-California St., Stockton.
Filed Apr. 19, '15. Dated Apr. 1, '15.
Concrete foundations completed..\$300
Frame work completed and roof is shingled 697
Building enclosed and plastering completed 697
Building completed 697
Usual 35 days..... 710
TOTAL COST, \$3101
Bond, \$1550.50. Sureties, W. H. Snell and S. W. Carman. Limit, 60 days. Forfeit, \$5. Plans and specifications filed.

RESIDENCE AND CHURCH
FAIR OAKS AVE AND DELLA ST., Stockton. All work for two-story frame and brick veneer residence and church for Father Murphy (St. Gertrude's Parish).
Owner.....The Roman Catholic Archbishop of San Francisco, 1100 Franklin, S. F.
Architect...John J. Foley, 46 Kearny, San Francisco.
Contractor...James Mulcahy, 5265 Grant St., Stockton.
Filed Apr. 19, '15. Dated Mar. 27, '15.
On 1st of each month..... 75%
Usual 35 days..... 25%
TOTAL COST, \$25,187
Bond, \$12,593. Surety, Globe Indemnity Co. Limit, 125 days. Forfeit, none. Plans and specifications filed.

LIENS FILED

SACRAMENTO COUNTY.

RECORDED AMOUNT
Apr. 17, 1915—W ½ LOT 7, N. O. 13th, 14th Sts., Sacramento. J McDermott vs Arthur Hollenbeck.....\$179

LOS ANGELES AND SOUTHERN CALIFORNIA.

DRAINAGE CONDUIT—\$25,000. Riverside, Riverside Co. Cal. Engineer, City Engineer, Riverside. Owners, City of Riverside. The following bids were opened at the last meeting of the City Council for construction of the Market Street-Fairmount Boulevard drainage conduit: Holland Construction Co., San Diego, \$33,937.95; Messmer & Rice, Los Angeles, \$35,925.76; Johnson-Shea Co., Riverside, \$31,949.40; Mlagenovich & Gillespie, Los Angeles, \$23,421.54. All bids have been referred to the City Engineer, who will submit a report at the next meeting of the Council, when a contract will be awarded.

RESIDENCE — 2 story and base,

frame. Cost not stated. Hollywood, Los Angeles Co., Cal. Architect, Frank T. Kegley, Consolidated Realty Bldg., L. A. Owner, Maye W. Stephens. The dwelling will be erected in West Hollywood and has been designed for a fifteen-room house with five baths and a garage. Interior finish will be of pine, hardwoods and white enamel. Hardwood floors will be used in the principal rooms. There will be a central heating system, probably warm air, open fire places, a hot water circulating system and vacuum cleaning. Bath rooms will be finished in tile. Mantels will be of tile and brick. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are now being prepared.

SCHOOL—2 story and base, reinforced concrete, \$27,000. Lancaster, Los Angeles Co., Cal. Architect, E. L. Hopkins, Delta Bldg., L. A. Owners, Antelope Valley Union High School District. The building will cover an area of 106 by 66 feet, and will contain departments for domestic science and manual training. Interior will be finished in pine with maple floors in the class rooms. There will be furnace heat and modern school plumbing, vacuum cleaning and program clocks. Exterior will be faced with cement plaster. Plans are complete and figures are being taken. Bids will be opened on May 8th.

SCHOOL—1 and 2 story and base, hollow tile, \$40,000. San Gabriel, Los Angeles Co., Cal. Architects, Dennis & Hewitt, Fay Bldg., L. A. Owners, Garvey School District. Details of construction have not been given out. The building will probably contain eight class rooms and assembly hall. A central heating system will be installed. Exterior will be faced with cement plaster. Plans are now being prepared.

RESIDENCE — 2 story and base, frame, \$20,000. Los Angeles, Cal. Architects, Milwaukee Building Co., Wright and Callender Bldg., L. A. Owner, R. L. Horton, Washington Bldg., L. A. The dwelling will be erected in Windsor Square, and has been designed to contain fourteen rooms, four baths and a private garage. Interior finish will be of pine and hardwood. Hardwood floors will be used in the principal rooms. There will be a central heating system, either steam or hot air. Open fire places and tile and brick mantels are specified. Bath rooms will be finished in tile. There will be a hot water circulating system. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are now being prepared.

HOTEL—3 story and base. Class C construction, \$25,000. Los Angeles, Cal. Architect, B. B. Bixby, 631 South Spring street, L. A. Owner, Mrs. Mary Norman. The building will be erected on Ruth avenue, covering an area of 50 by 135 feet, and has been designed to contain 65 rooms and several baths. Interior will be finished in pine. There will be steam heat and a hot water supply. Bath rooms will have tile wainscot and composition floors. Exterior of the building will be faced with pressed brick. Plans are now being prepared.

SCHOOL—1 and 2 story and base, brick and hollow tile. Cost not stated. San Fernando, Los Angeles Co., Cal. Architect, John C. Austin, Detwiler-Baker Bldg., L. A. Owners, San Fernando Union High School District. The date for opening bids for this work has been extended from April 24th to May 1st. Plans and specifications can be secured from the architect.

SCHOOL—1 and 2 story and base, interlocking tile construction, \$58,000. Hyde Park, Los Angeles Co., Cal. Architect, George A. Howard, Grant Bldg., L. A. Owners, Hyde Park School District. The main building will cover an area of 100 by 100 feet and will contain, besides the class rooms and departments of domestic science and manual training, an auditorium seating 500 people. Each of the small buildings will contain two class rooms and teachers' rooms. Interiors will be finished in pine. A hot air heating system will be installed. Modern school plumbing, vacuum cleaning and program clocks are included in the work. Exteriors will be faced with cement plaster. Plans are complete and segregated figures are being taken. Bids will be opened on May 7.

SCHOOL—2 story and base, brick \$40,000. Los Angeles, Cal. Architects, Edelman & Barnett, Black Bldg., L. A. Owners, City of Los Angeles. The building will be erected on the 65th street school site, and will cover an area of 118 by 100 feet. There will be eight class rooms and assembly hall. Interior will be finished in pine with maple floors in the class rooms. Plans provide for steam heat, vacuum cleaning and program clocks. Exterior of the building will be faced with pressed brick. Plans are complete and figures are being taken. Bids will be opened on May 6th. Plans and specifications can be secured from the office of the Secretary of the Board of Education at 730 Security Bldg.

SCHOOL—2 story and base, brick, \$45,000. Los Angeles, Cal. Architect, W. S. Garrett, Currier Bldg., L. A. Owners, City of Los Angeles. The building will be erected on Logan street near Sunset Boulevard, and will contain eight class rooms and auditorium. Interior finish will be of pine with maple floors in the class rooms. There will be steam heat, vacuum cleaning system and program clocks. Exterior of the building will be faced with pressed brick. Plans are now being prepared.

SCHOOL—2 story and base. Class C construction. Cost not stated. Los Angeles, Cal. Architects, Hudson & Munsell, Stimson Bldg., L. A. Owners, City of Los Angeles. The building will be erected on Staunton avenue and has been designed for an eight-classroom building with a large auditorium. There will be a central heating system, modern school plumbing, program clocks and vacuum cleaning. Exterior of the building will be faced with pressed brick. Plans are complete and figures are now being taken. Bids will be opened on May 1st.

SCHOOL—2 story and base, brick. Cost not stated. Los Angeles, Cal. Architect, Albert C. Martin, Higgins Bldg., L. A. Owner, City of Los An-

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geles. The building will be erected on Macy street, and has been designed to contain eight class rooms and an auditorium. Fine finish and maple floors will be used throughout. There will be a central heating system. Modern school plumbing, electric work, vacuum cleaning and program clocks will be used. Exterior of the building will be faced with pressed brick. Plans are complete and figures are now being taken. Bids will be opened on May 1st.

STORES AND LOFTS—3 story and base, brick and steel. Cost not stated. Los Angeles, Cal. Architects, Milwaukee Building Co., Wright and Callender Bldg., L. A. Owner, Dr. W. W. Hitchcock. The building will be erected on the east side of 3rd street, and will have a frontage of 50 feet and a depth of 100 feet. There will be two stories on the first floor. Interior will be finished in pine. Patent fore and aft elevator service are specified. Exterior of the building will

be faced with pressed brick. Plans are now being prepared.

Contracts Awarded.

SCHOOL—1 and 2 story and base, hollow tile, \$35,980. Marian, Los Angeles Co., Cal. Architects, Dennis & Hewitt, Fay Bldg., L. A. Owners, Marian School District. Contractors, J. W. Morrison & Son, Builders' Exchange L. A. Contract price, \$35,980.

SCHOOL—3, 1 story and base, brick and hollow tile, \$44,861. Puente, Los Angeles Co., Cal. Architect, Carroll H. Brown, Stimson Bldg., L. A. Owners, Puente Union School District. Contractors, John Herington and J. A. Weddle, 341 West 51st street, L. A. Contract price, \$44,861.

APARTMENT HOUSE—3 story and base. Class C construction, \$30,000. Los Angeles, Cal. Architect's name not given. Owner, Mrs. Louise J. Hamer. Contractors, A. S. O'Neil Co., Lankershim Bldg., L. A. Contract price, \$30,000.

APARTMENT HOUSE—2 and 3 story and base, reinforced concrete, \$63,000. Los Angeles, Cal. Architect, A. B. Benton, 114 North Spring street, L. A. Owner, O. T. Johnson. Contractor, John Mulder, 143 South Rose street, L. A. Contract price \$63,000.

SCHOOL—1 story and base, interlocking tile, \$23,000. Chatsworth, Los Angeles Co., Cal. Architects, Dennis & Hewitt, Fay Bldg., L. A. Owners, Chatsworth School District. Contractors, Mann & Knox, Delta Bldg., L. A. Contract price, \$23,795.

DEPARTMENT STORE—3 story and base, reinforced concrete. Cost not stated. Atascadero, San Luis Obispo Co., Cal. Architects, Bliss & Faville, Balboa Bldg., S. F. Owners, Atascadero Colony. Contractors, F. O. Engstrom Co., 5th and Seaton streets, L. A. Contract price not stated.

PORTLAND AND OREGON

APARTMENT HOUSE—4 story and base, brick, \$40,000. Portland, Ore. Architects, Jacobberger & Smith, Board of Trade Bldg., Portland. Owner, E. A. McGrath, 461 Hassalo street, Portland. The building will be erected at the corner of Park and Taylor streets, covering an area of 50 by 100 feet. The apartments will consist of two, three and four rooms, all with wall beds and private baths. Interior finish will be of pine and some elm panels. Hardwood floors will be used in the living and dining rooms. Plans provide for steam heat, a hot water system, automatic elevators, dumb waiters and vacuum cleaning. Bath rooms will be finished in tile. Exterior of the dwelling will be faced with pressed brick. Plans are complete and in the hands of the owner who will do the work by Day Labor. Materials are now being purchased.

COAST GUARD QUARTERS—1 and 2 story, frame. Cost not stated. Coos Bay, Ore. Engineer, Chief Engineer, 13th District, Coast Guard, San Francisco. Owners, U. S. Government. Plans have been completed for the construction of a coast guard station on the south channel at Coos Bay. The buildings included in the work are the coast guard station, keeper's quarters, boat house, launch way and jetty.

Construction will be of frame. Plans are now being figured. Bids will be opened on May 19th at 2 p. m. at Washington, D. C. Plans and specifications can be secured from the Coast Guard of the 13th District, Custom House, San Francisco. An official proposal appears in another column of this issue.

APARTMENT HOUSE—3 story and base, brick. Cost not stated. Salem, Ore. Architects, MacNaughton & Raymond, Title and Trust Bldg., Portland. Owners, Judge McNary and George F. Rodgers. The building has been designed to contain a total of 25 suites of two and three rooms. All apartments will have wall beds and private bath rooms. Interior will be finished in pine and elm. Hardwood floors will be used in the principal rooms. There will be steam heat a hot water system, elevator and vacuum cleaning. Bath rooms will be finished in tile. Exterior of the building will be faced with pressed brick. Plans are complete and figures are now being taken.

HOW MANUFACTURERS MAY AID CONSULS.

[Consul Felix S. S. Johnson, Kingston, Ontario, Canada, Mar. 1.]

From time to time there have appeared in commerce reports suggestions by consuls on how to extend American trade in their respective districts. These articles were primarily for the assistance of the American exporter. There are, however, ways in which manufacturers can assist consular officers, especially those inexperienced in writing trade reports or giving trade hints. As a rule, when manufacturers write to a consular officer for a list of importers of their goods in his district no other information is requested, yet it would seem that if questions along the lines of those that follow were also propounded they would greatly aid the consul in replying to commercial communications:

1. If similar goods are sold, what are the prices quoted?
2. What is the import tariff?
3. In what manner should merchandise be packed? (This should be asked, for in many countries goods are transported to interior places on mule-back.)
4. Gives rates and discounts of other competing countries.
5. Best way of transportation, with freight rates.
6. Are consular invoices needed? How should they be made out?
7. What are the fees charged by customs brokers for making entries?
8. Are there any octroi charges?
9. In what language should correspondence be conducted?
10. Is there a duty on catalogues?
11. What course of action do you recommend for the introduction of merchandise?

After receiving the necessary information from the consul the American exporter is in a position to quote his prices, including all charges, to a foreign importer, who as a rule dislikes to be annoyed in clearing merchandise at the customhouse.

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Looney Co., J.
Mangrum & Otter
Snook & Co., Fred W.
Torrid Zone Furnace Co.
Turner Co., The
Wilson, Robt. M.
- House Movers & Raisers.**
Hatch, H. L.
Pearson, N. H.
Sullivan, D. J. & T.
- Hoisting Engineer.**
Le Clair, S. D.
- Inlaid Floors.**
Hardwood Interior Co.
Inlaid Floor Co.
Pac. Floor Sanding Co.
- Interlocking Tile Blocks.**
California Denison Block Co.
- Iron Foundry.**
Steiger & Kerr, Steve & Foundry Co.
Iron & Steel.
Baker & Hamilton
Dawson & Noyes
Judson Mfg. Co.
Pacific Coast Steel Company.
Trussed Concrete Steel Company.
Woods & Huddart
- Iron Works.**
Brode Iron Wks.
Dyer Bros.
Eureka Wire & Iron Wks.
Golden Gate Iron Works
Hillard Co., C. J.
Kell Iron Works
Michel & Pfeffer
Monarch Iron Works
Pacific Iron Wks.
Pacific Structural Iron Works.
Ralston Iron Works
S. F. Iron Works
Sartorius Co.
Schraeder's Iron Works
Steiger & Kerr
Stove & Foundry Co.
Vulcan Iron Wks.
West Coast Wire & Iron Works
Western Iron Works
- Joint Hangers & Post Caps.**
Falls Mfg. Co.
Pac. Bldg. Materials Co.
Roman Co., C.
Waterhouse & Price Co.
Western Bldgs. Supply Co.
Lathers, Wood & Metal.
Balzke, Robt.
Edwards, C. H.
Hayden, Fred
Kaiser, Jos.
McAbee, E. T.
Raymond, Wm. H.
Snell, Ralph L.
- Lighting Fixtures**
Day Co., Thomas
Mohillite Co.
- Lime & Plaster Dealers.**
Arden Plaster Co.
Cal. Lime & Hydrate Co.
Cowell Lime & Cement Co.
Guerlin & Co., J. S.
Lennon Co., J. E.
Pacific Portland Cement Co.
Western Lime & Cement Co.
- Lumber Dealers.**
Acme Lumber Co.
Christenson Lumber Co.
Columbia Lumber Co.
Doe Co., Frank P.
Excelsior Redwood Co.
Hardy Lumber Co.
Hart-Wood Lumber Co.
Hauptman Lumber Co.
Kruse Co., J. H.
Hooper Lumber Co.
Higgins Lumber Co., J. E.
Loop Lumber Co.
MacDonald Lumber Co.
Moore Mill and Lumber Co.
Oakley, —
Olsen, —
Mahony Lumber Co.
Peterson, E. T.
Pope & Talbot
Reinhart Mill & Lumber Co.
Ryan, George
Santa Clara Valley Mill & Lumber Co.
Santa Fe Lumber Co.
S. F. Lumber Co.
Schouten & Co., J. W.
Sunset Lumber Co.
Tierman & Beronie
Van Arsdale-Harris Lumber Co.
Wilson Bros. & Co.
Wood Lumber Co., E. K.
Wright, Jr., Wm.
- Magnesite Flooring.**
Artolith Mfg. Co.
Bender R.&P. Co.
Dwan Co., J. E.
Fibrestone & Roofing Co.
Flaherty R.&P. Co., R. H.
Goodmanson, A. K.
Malott & Peterson
Watsonite Co.
- Mantels, Tiles & Grates.**
General Building Work Co.
Ginsberg Bros.
Mangrum & Otter
Peerless Agencies Co.
- Marble and Mosaic Work.**
General Building Work Co.
Ginsberg, M. H.
Grassi & Co., P.
Mission Concrete & Mosaic Wks.
Mission Marble Works
Musto Sons-Keehan Co.
New Era Marble & Concrete Co.
Teltz, Francis E.
Tomagnini & Co., G.
Vermont Marble Co.
- Metal Lath.**
Atlantic Fireproofing Co.
Berger Mfg. Co.
Holloway Metal Lath Company.
- Waterhouse & Price**
Western Builders' Supply Co.
- Metal Stamping**
S. F. Metal Stamping & Corr. Co.
U. S. Metal Products Co.
- Notary Public.**
Duncan, A. M.
- Oils and Greases.**
Standard Oil Co.
Union Oil Co.
- Ornamental Plastering.**
Benkman, Ed. G.
Blinner, Theodore
Larson, O. F.
Lipp & Co., J. F.
- Painters and Decorators.**
Baker Co., W. T.
Bell, Wm. J.
Bernstein, Wm.
Blum, Louis
Brown, J. L.
Burns Bros.
Clark & Dickson
Cramer Bros.
Conlin, J. J.
Copnick, T. W.
Dahl, T. H.
Donovan, V. J.
Hansen, Elbing A.
Johnson, C.
Kissel, Isidor
Miller, L.
Miller, J. A.
McCubbin, James
Manning, John
Neal, L. J.
Progressive Painting Co.
Quandt & Son
Ruderman, I.
Simon Neilson Co.
Smith, J. S.
Sovig, C. B.
Trost, C. R.
Walk, Mayer
Wagner, Fred
Wagner Bros.
Zelinsky, R.
- Paints, Oils, Varnishes, Etc.**
Clark & Dickson
Cohn & Co., Marion D.
Fuller Co., W. P.
O'Brien, J. S.
Paint Products Corporation
Paraffine Paint Co.
Pratt & Lambert
Whittier - Coburn Co.
- Patent Chimneys.**
Clawson Co., L. E.
Dresser - McDon Hughes, H. J.
- Pile Driving.**
Lamburth, C. E.
- Paving Brick.**
Cal Brick Co.
- Planing Mills.**
Acme Plgn. Mill
Anderson Bros.
Atlas Planing Mill Co.
Builders' Supply Depot
Cal. Door Co.
Cal. Planing Mill.
Emanuel, L. & E. (Inc.)
Empire Planing Mill
Hart & Burmester
Herrmann, A.
Herring's Mill
Hollen - Deuprey Co.
Lorden Mill Co., J. P.
Main St. Planing
Premus Planing Mill
Reinhart Lumber & Planing Mill
Ryan, George
- San Mateo Planing Mill**
Santa Clara Valley Mill & Lumber Co.
Spencer St. Planing Mill
Taylor & Co.
Western Planing Mill
Veyhle & Collins
- Plasterers.**
Bosch, Herman
Bradley & O'Reilly
Brumman, James
Campbell, Chas
Campbell & Williams
Connel Co., J. E.
Daly, J. H.
Duthie, Chas.
Gilmour, W. G.
Jones, Francis
Kaiser, Jos.
Leaf, Al.
MacGruer & Co.
Mellon, Thos.
Modica, S.
Mowat Donald
Philbin, J. J.
Sexton, T. D.
Terranova Bros.
Wagner, James A.
- Plumbing and Gas Fitting.**
Band, S. W.
Bernard, Geo. F.
Dunn, Neil H.
Goss, Wm. P.
Grundy, Ed.
Houston, J. J.
Kara, F. E.
Kiernan & O'Brien
Lacey, E. V.
Lauder, H. I.
Lawson, Herman
Lettich, Antone
Lettich, J. M.
Looney Co., J.
May, Gus
McLeod, J. J.
Penkerton, J. H.
Skelly, Thomas
Snook & Co., Fred W.
Turner Co., The
Weitzel, Theo.
Wilson & Co., W.
- Plumbers Supplies**
Kinney Co., R. W.
Mark-Lally Co.
Mueller Mfg. Co., H.
Nelson Mfg. Co.
Pac Sanitary Mfg Co.
Paragon Brass Mfg. Co.
- Radiators.**
American Radiator Co.
- Railway Materials**
Orenstein - Arthur
thur Koppel Co.
- Rigging.**
Lamburth, C. E.
- Roofing, Gravel & Composition.)**
Bender Roofing & Paving Co.
Cantley & Co., J.
Enterprise Roofing Co.
Flaherty, R. H.
Keene Co., R. E. G.
Lawson Roofing Co.
Lewis, W. S.
Malott & Peterson
Rapheld Roofing Co.
Samuel Co., H. D.
Watsonite Co.
Western Asbestos
Magnesia Co.
Western Felt and Refining Co.
- Roofing (Slate & Tile.)**
Graham, R. G.
Klatt, R. J.
White, Ed. A.
Fibrestone & Roofing Co.
- Roofing Materials.**
Johns - Manville Co., H. W.
Paraffine Paint Co
Waterhouse & Price
Western Asbestos
Magnesia Co.
Western Builders' Supply Co.
Whittier - Coburn Co.
- Sand, Gravel, Etc.**
Bay Devel. Co.
Cal. Building Material Co.
McMullin Bros.
Stone Co., E. B. & A. L.
Western Development Syndicate.
- Sanitary Garbage Chutes.**
Bill & Jacobsen
Sand Blasting.
McDermott, W.
- Sheet Metal Wks.**
Amsler Sheet Metal Works
Appman Cornice Works
Atlas Heating & Ventilating Wks
Capitol Sheet Metal Works
Comyns & Nygren
Cronan, Wm.
Crown Cornice Works
Elite Sheet Metal Works
Forderer Cornice Works
G. & M. Sheet Metal Works.
Gullifoy Cornice
Hibernia Sheet Metal Works
Hughes, H. J.
Ideal Cornice Wks
Korell & Co., J. A.
Modern Sheet Metal Works.
Morrison & Co.
S. F. Metal Stamping & Corr. Co.
U. S. Metal Products Co.
Western Furnace & Cornice Co.
- Sidewalk Lights.**
Jackson Co., P. H.
Dwan & Co., J. E.
Phoenix Sidewalk Light Co.
- Stair Builders.**
Bishop & Perraino
Boller, John
Jacobsen, J.
Porter, W. F.
Stewart, J. K.
- Stationery.**
Foster & Short
Wright, J. H.
- Steel Bars.**
Baker & Hamilton
Dawson & Noyes
Woods & Huddart.
- Pacific Coast Steel Co.**
Soule Co.
- Steel Erector.**
Schafer, Fred C.
Pioneer Con. Co.
Williams Construction Co.
Store Fronts
Kawner Mfg. Co.
U. S. Metal Products Co.
- Structural Steel Contractors.**
Central Iron Wks
Dyer Bros.
Judson Mfg. Co.
Pacific Structural Iron Works
Pac. Rolling Mills
Schraeder's Iron Works.
S. F. Iron Works
Western Iron Supply Co.
- Stoves.**
Mangrum & Otter
Steiger & Kerr

Structural Steel Contractors.

Brode Iron Wks.
Dyer Bros.
Golden Gate Iron Works
San Francisco Iron Works
Ralston Iron Wks
Vulcan Iron Wks.

Surveyors.

Morser, E. J.
Quimby, L. S.
Wetherell, Chas E

Teaming & Grading.

Branick, J. P.
Blanchini, G.

Federal Transfer & Draying Co.

Carlin Bros.
Devencenzi & Co., L.
Dillon Teaming Co.

Federal Transfer & Draying Co.

Harbor View Contract Co.
Hule Co., E. M.
Lennon Co., J. E.

McGlinchey & Monohan

Montague Co., P.
O'Day Co., D.

Powers, Chas. J.

Sibley Teaming & Grading Co.

Star Contracting Co.
Wright Co., J. H.

Tilling.

Cal. Tile Contr.Co.
Ginsberg & Co., S.
Mangrum & Otter
Peerless Agency Co.

Vacuum Co.

Bill & Jackson
Hughson & Merton Co.

Schaer Bros.
Stevens Co., Frank A.

Hyde Henry C. United Elec. Co.

Wall Beds.
Marshall - Stearns Co.

Water Company.

Spring Valley Water Works.
Whitewashing

Brickley, P. J.
Reigle & Jamison
Taylor, L. A.

Waterproofing

Coyle, Jos. A.

Window Cleaning.
American Window Cleaning Co.

Windows, Patent.

Simplex Window Co.

Central Electric Co.

City Electric Co.
De Lew, M. A.

Decker Electric Co.

Globe Elec. Co.
Levy Elec. Co.

Elevators.

Otis Elevator Co.
Van Emon Elevator Co.

Fibre.

S. F. Fibre & Cordage Co.

Fireproof Doors.

Norris, L. A.

U. S. Metal Products Co.**Floor Sanding**

Hardwood Interior Co.

Inland Floor Co.

Pacific Floor Sanding Co.

Grill Work.

Cal. Art Metal & Wire Works.

Merle Co., A.
Sartorius Co.
Withington, C. W.

Gen. Contractors.

Andrus, R. C.
Brigham, H. B.

Brockhage, Foley & Green

Caldwell & Co.
Cereghino & Son, Louis

Currie & Currie
Dempniak Bros.

Farquharson, D. B.
Fluth, J.

Frasler & Frasier
Graham, D. E.

Griffith, Wm.
Hannah, J. D.

Hannah & Co. J.S.
Hayes, W. W.

Jackson, A.
Kuykendall, J. O.

Malley, Edward.
Matthies, Henry

Mulcahy, James
Peacock, John

Schnebl, Host-tawser & Ped-grift

Glass and Glazing

Cal. Plate & Window Glass Co.

Cohen, I.
Cobbledick-Kibby

Glass Co.
Friedman Bros.

Fuller, W. P. & Co.

Habenicht & Howlett

Holland, J. P.
Schwarz & Gottlieb (Inc.)

Grading & Teaming.

Dillon, D.

Eureka Teaming Co.

Fay, S. J.
McClure, H. N.

Wilhelm, A. H.
Wilkie Co., A.

Williams, F. A.
Wright, Chas.

Monarch Teaming Co.

Sibley, L. B.
McLenegan, S. H.

Granite.

Bradbury, Thos.

Cal. Granite Co.
De Lano & Sons, I. L.

Hunt, A. T.
Raymond Granite Co.

Hardware.

Baker & Hamilton
Joost Bros.

Kruse, J. H.
Lorenz, Schffner & Co.

Meyer, A.
Palace Hdw. Co.

Heat and Light.
Pacific Gas and Electric Co.

Heating & Ventilating.

Burnham Plumbing & Heating, Inc.

Cronan, Wm.

Mangrum & Otter
Montague, W. W. & Co.

House Moving & Raising.

Blume Cont'g Co.
Pearson, E. K.

Sullivan, D. J. & T.

Inland Floors.

Hardwood Interior Co.

Inland Floor Co.

Pacific Floor Sanding Co.

Iron Works.

Lorenz, Schffner & Co.

Michaels & Pfeiffer

Monarch Iron Works.

Pacific Rolling Mill Co.

Pacific Struc. Iron Works.

Joint Hangers & Post Caps.

Kortick - Falls Mfg. Co.

Lilley & Thurston Co.

Lorenz Schaffer & Co.

Western Builders' Supply Co.

Kawneer System Store Fronts.

Falls Mfg. Co.

Lilley & Thurston Co.

Light and Power

City Electric Co.

Pac. Gas & Electric Co.

Lime, Cement, Etc.

Acme Cement Plaster Co.

Arden Plaster Co.

Cowell Lime & Cement Co.

Holland, J. P.

Holmes Lime & Cement Co.

Lennon, Jas. E.

Nephi Plaster Co.

Pacific Bldg. Material Co.

Pac Lime & Plaster Co.

S. F. Lime Co.

Shasta Lime Products Co.

Western Building Material Co.

Western Lime & Cement Co.

Lumber.

Acme Lumber Co.

Christenson Lumber Co.

Hardy, Jas. H., Inc.

Hart-Wood Lumber Co.

Humboldt Lumber Co.

Hauptman Lumber Co.

Hooper Lumber Co.

Kruse, J. H.

Loop Lumber Co.

Macdonald Lumber Co.

Moore, R. B. Mill & Lumber Co.

National Mill & Lumber Co.

Olsen Mahoney Lumber Co.

Pope & Talbot.

Santa Fe Lumber Co.

Schouten Lumber Co.

Tiernan & Bero-nio

Van Arsdale-Harris Lumber Co.

Wilson Bros. & Co.

Doe Co., F. F.

Lumber (Hardwood.)

Dieckmann & Co.

Howard, E. A. & Co.

Niehaus, Ed. F. & Co.

White Bros.

S. F. Lumber Co.

Machinery.

Harron, Rickard & McCona.

OFFICIAL LIST OF MEMBERS**BUILDERS' EXCHANGE**

OF SAN FRANCISCO

180-186 JESSIE STREET

PHONE KEARNY 4700

OFFICERS AND DIRECTORS.

President, H. Maundrell.
Vice-President, E. J. Brandon.
Treasurer, C. W. Withington.
Secretary, R. J. H. Forbes.

Financial Secretary, S. A. D. Schenck.
Asst Secretary, W. J. Carberry.
Doorkeeper, B. R. Wolcott.

DIRECTORS

H. Maundrell
E. J. Brandon
C. W. Withington
R. J. H. Forbes

H. Jacks.
E. S. Rainey.
Alexander Menzie
W. W. Hayes.

Chas. McDonnell
Fred P. Fischer
J. D. McGilvray

MEMBERS.**Architectural Iron Works**

Acme Iron Works.
Bay City Iron Works.

Brode Iron Works
Central Iron Wks.
Dyer Bros.

Eureka Iron Wks
Kell Iron Works
Kortick - Falls

Mfg Co.
G. G. Structural Iron Works.

Hillard, C. J. Co.
Judson Mfg. Co.

Mortenson Cons. Co.
Michaels & Pfeiffer

Phoenix Iron Wks
Ralston Iron Wks
Lorenz Schaffer & Co.

Jonrader Iron Works.

St. Francis Orn. Iron Works

Itelger & Kerr
Stove & Foundry Co.

Vulcan Iron Wks.
Western Iron Wks

Withington, C. W.

Art Glass.

Ingerson & Glaser Co.

Blacksmith.

Paul Kleiber

Bonds.

Costello, J. T.

Aetna Life Ins. Co.

Boole, F. W.

Empire State Surety Co.

Fidelity & Deposit Co. of Maryland

Gale, M. A.

Guyett & Co., R. G.

Hillman & Son, J. R.

Jones, Edward M.

Lawton, A. F.

Lloyd & Spengler

MacMeans, H. V.

Pacific Coast Casualty Co.

Perley, A. E.

Smith, Leo J.

United States Metal Products Co.

United States Fidelity and Guaranty Co.

Brick and Pottery.

Bay Development Co.

Cal. Brick Co.

Carey, J. E.

Carnegie Brick & Pottery Co.

Carquinez Brick & Pottery Co.

McNear Brick Co., E. B.

Peterson - Kartschoke Brick Co.

Remillard Bk. Co

Sacramento Trans. Co.

Steiger T. C. and Pottery Wks.

Thermos Brick Co

Building Material.

California Building Material

City Supply Co.

Fernald Co., The

Kortick - Falls Mfg Co.

Holland, J. P.

Howard Co.

J. E. Lennon.

Johns-Manville Co

Pacific Bldg. Material Co.

Pacific Refining & Roofing Co.

Parrott & Co.

Paraffine Paint Co

Pratt Building & Material Co.

United Material Co

Waterhouse & Price Co.

Western Bldgs' Supply Co.

Cement Dealers

Balfour, Guthrie Co.

Cowell Lime & Cement Co.

Holmes Lime & Cement Co.

Holland, J. P.

Maynard, Jr., J. L.

Meyer, A.

Pacific Portland Cement Co.

Western Building Materials Co.

Standard Portland Cement Co.

Clay Products.

Cal Brick Co.

Stanquist, Edward

Concrete.

Chase, Silas A.

Camp & Carillon.

Duncanson, Harrelson Co.

Forbes, R. J. H.

Foster & Vogt.

Goodman Artificial Stone Co.

Haun, C. C. W.

Leonard, J. J.

Lynch, A.

Pasqualetti, J.

Petersen, H. L.

Sartorio, Charles

Stanquist, Victor

Zimmerman, L. M.

Concrete Reinforcement.

Pacific Building Material Co.

Contractors & Builders.

Allen, Alex. M.

Anderson, W. W.

Arthur, L.

Boring, F. H.

Born & Son, S. A.

Brady, C. A.

Braunton Bros.

Buller, Thos.

Burdick, Wm. A.

Caldwell & Co.

Cameron & Diss-ton.

Masons & Builders
 Alexander, R.
 Allen, C. J.
 Anderson & Ral-
 ney.
 Arlett, A.
 Beck, A.
 Brady, M. V.
 Brady, O. E. & Son
 Brandon, E. J.
 Brennan, J. E.
 Brigham, H. B.
 Butcher & Hadley
 Byron, D. J. & Son
 Campbell Bros.
 Carr, J. W.
 Drake, Harry E.
 Downey, J.
 Farrell & Reed
 Fennell, Jas.
 Gale, M. F. & Son
 Gilson, J. E.
 Harrison, A.
 Hibbins & Barker
 Hoff, Chas.
 Hoffman, V.
 Hogberg & Lud-
 wig
 Larsen, H. H.
 Lawson, A. W.
 McGowan, M.
 Miller, J. W.
 Murray & Mow-
 bray.
 Mulcahy Bros.
 Nagel, W. L.
 O'Connor, J. J.
 O'Rourke, T. F.
 Scott Co.
 Rainey & Phil-
 lips.
 Reed & White
 Ringrose, R. & Son
 Scott, W. S.
 Walker, P. J.
 Watson, Sage
 Watson, Sidney
 Whitney & Davies
 Wilson, James A.
 Wygant, J. H.

Marble.
 American Marble
 & Mosaic Co.
 Columbia Marble
 Co.
 Grassl, Peter Co.
 Hunt, Andrew T.

Maino, F. L. & Co.
 Musto & Sons, Jos
 Keenan Co.
 Vermont Marble
 Co.
Mantels, Tiles
 Grates.
 Ginsberg & Co., S.
 Holloway Ex-
 panded Metal
 Co.
 Kirwin & Dono-
 van.
 Mangrum & Otter
 Montague & Co., W
 Peerless Agencies
Merchant Bars
 Pacific Coast Steel
 Co.
Metal Furring &
Lathing.
 Holloway Ex-
 panded Mtl Co.
 Lynch, H. T.
 Lynch, Richard
 National Lathing
 and Furring
 Northwestern Ex-
 panded Metal
 Co.
Metal Window
Works.
 Dwan, J. E.
 U. S. Metal Prod-
 ucts Co.
Mortar.
 Atlas Mortar Co.
Mosaic.
 Amer. Marble &
 Mosaic Co.
 Maino, F. L. & Co.
Office Fixtures.
 Bateman, Wm.
 Forbes & Son, A. J.
 Fink & Schindler
 Co.
 Simmen, John
Open Hearth Steel
Pacific Coast Steel
Co.
Ornamental
Plasterers.
 Binner, Theo.
 Larson, O. F.
 Woods, J. P.
Painters.
 Daniels, Gus V.
 Donovan, V. J.

Fraser, J. P.
 Kuss, P. N.
 Lewellyn, J.
 Maundrell, H.
 Spark, J. H.
 Neal, L. J.

Paint Burner
 Paint (Damp Re-
 sisting.)
 Dwan Co. J. E.
Paints, Oils, Etc.
 Bass - Heuter
 Fuller & Co., W. P.
 Kuss, P. N.
 Maundrell, H.
 Pacific Refining &
 Roofing
 Paraffine Paint Co
 Whittier - Coburn
 Co.

Patent Chimneys.
 Clawson & Co., L.
 E.
 Dunlevy & Gettle
 Dresser - McDon-
 nell Co.
 Cal. Pottery Co.
Paving Brick.
 Cal Brick Co.
Planing Mills.
 Anderson Bros.
 Burnham - Stan-
 ford Co.
 Car. Door Co.
 Cal. Milling Co.
 Elkington &
 Huckle
 Herring Mill (Int)
 Kendall, A.
 Kruse, J. H.
 Lorden Mill Co., J.
 P.
 R. B. Moore Mill &
 Lumber Co.
 National Mill &
 Lumber Co.
 Pacific Mfg. Co.
 Reinhart Lumber
 & Planing Mill
 Co.
 Reilly, P. F.
 Santa Clara Mill
 & Lumber Co.
 San Mateo Plan-
 ing Mill.
 Searle & Hayman

Plasterers.
 Binner, Theo.
 Bradley & Reilly
 Carrick, M. H.
 Chalmers, H. A.
 (Inc.)
 Clark, D. Ross.
 Crichton, J. L.
 Coghlan, Frank
 Connolly, J. J.
 Connell, J. E.
 Fay, John
 Felt, R. L.
 Floodberg & Mc-
 Caffery.
 Fraser, Simon
 Gregg & Clute
 Gilmour, Wm. G.
 Jacobsen, N.
 Kaiser, Joe
 Knowles A.
 Leaf, A.
 Lyden & Bickel
 MacGruer & Co.
 Mennie, Alex.
 McCleod, J. C.
 Morehouse, C. C.
 O'Kane & Co., C. T.
 O'Sullivan & Bow-
 ler.
 Smith, James F.
Plaster of Paris.
 Nephi Plaster Co.

Plumbing & Gas
Fitting.
 Ahlback & Mayer
 Bernard, G. F.
 Burnham Plumb-
 ing Co., Inc.
 Dalziel, R., Jr., Co
 Gilley-Schmid Co.
 Levy, M.
 Looney, J., Co.
 (Inc.)
 Snook & Co.,
 Frederick W.
 Turner Co. The
Real Estate.
 Williamson Co., H.
 Wittman Lyman
 Cross & Co.
 Urban Realty
 Impt. Co.
Reinforcing Bars.
 Pacific Coast Steel
 Co.

Riggers.
 Blume Contract-
 ing Co.
 Pioneer Const. Co.
Crushed Rock.
 Healy-Tibbitts
 Constr. Co.
 Holland, J. P.
 S. F. Bay Imp. Co.
 Stone, E. B. & A. L.

**Roofing Composi-
 tion.**
 Artolith Mfg. Co.
 Bender, J. W.
 Roof Co.
 Fibrestone Roof-
 ing Co.
 Larkin Asphalt &
 Paving Co.
 Magnesia Asbes-
 tos Supply Co.
 Malott & Peterson
 Johns - Manville
 Co., H. W.
 Meuer Bros. Co.
 Pacific Refining &
 Roofing Co.
 Paraffine Paint Co
 The Thos. H.
 Price Co.
 Western Asbestos
 Mag. Co.
 Watson Roofing
 Co.

Sand, Gravel, Etc.
 Cassaretto, John
 Healy-Tibbitts
 Constr. Co.
 Holland, J. P.
Sanitary Flooring.
 Artolith Mfg. Co.
 Stone, E. B. & A.
 L., Co.
 Fibrestone Roof-
 ing Co.
Sidewalk Lights.
 Jackson, P. H. & Co
 McGuigan, John
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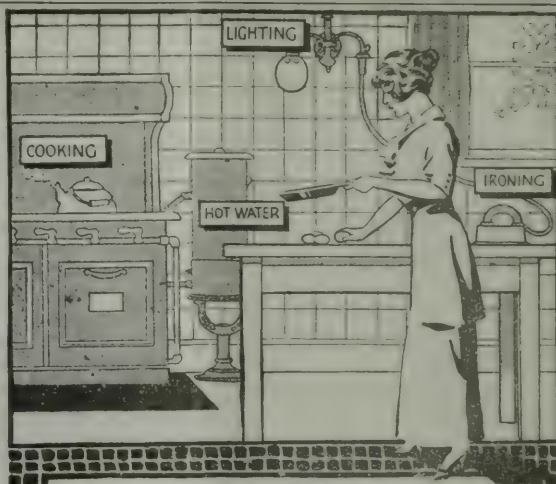
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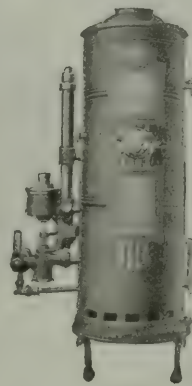
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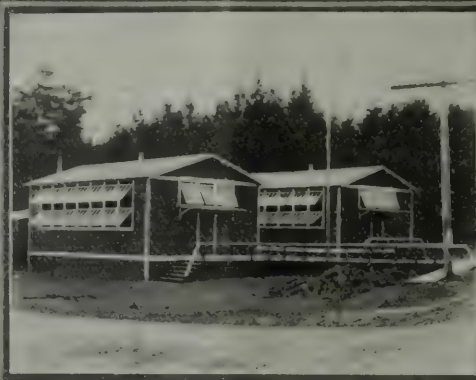
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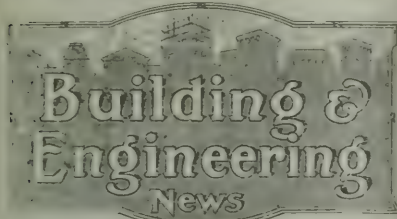
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Devoted to the Architectural, Building, Engineering and Industrial Activities
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Issued Weekly, \$3.00 per year

San Francisco, May 5 1915

Fifteenth Year, No 18



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Entered as second-class matter at San Francisco Post Office under act of Congress of March 3, 1879.

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Editorial Comment.

France and Russia have declared for prohibition on account of the war and England is considering the same thing. The principal reason is on account of the efficiency of the lower classes. In Germany, where everything is so perfectly organized, there is no need of declaring a ban on the liquor business for the government regulates almost everything as it is.

The free institutions of England gives a greater latitude to all its people. The dock laborers, for instance, have received an increase of pay on account of the war. As a consequence a great many stay drunk most of the time. It is usually this class of people who lack the active minds or who are the slaves of habit that follow the more menial occupations. Their lives are vacant, their surroundings are cheerless and their enjoyments are not much higher than that of the lower animals. When the earthquake and fire occurred in San Francisco the lower element that had access to the saloons and groceries and liquor houses when they were forced to be abandoned immediately proceeded to get beastly drunk and render themselves unfit for even taking care of themselves, let alone helping anybody else, even in the face of the most imminent disaster. This is the psychology of drink which has caused the nation to enforce prohibition as an efficiency measure. It is the doggeries and saloons that offer temptations to ignorant and unrestrained appetites of the classes that can ill afford to spend their money on booze. For this reason all classes have deprived themselves of any luxury that may come from the use of wines at the table and have enforced total abstinence upon all people.

The Geographical Magazine for March has an interesting article on Palestine. It illustrates in its usual way the customs of the people, the habitations and cities, and the modes of life in city and country. As the war will probably result in removing the control of this country from the hands of the Turks and place it in control of the Christian nations it will furnish an opportunity for the Zionists among the Jews to again control the land of their forefathers. Interesting is the comparison of that country to our own. The whole of the country there is no larger than New Jersey and the inhabited portion no larger than Massachusetts. But in the times of the old testament it supported an immense population and in the days of

Solomon was of the foremost nations of the world. Wars have reduced it to a sterile and unproductive land. A land once flowing with milk and honey now supports a scanty population. If the European countries should assume control of this country it will be interesting to see what modern methods can do in a land once enormously productive but which has now lapsed into a semiwilderness.

A great deal is being said about the relative efficiency of our navy as compared with the world powers. Secretary Daniels seems to think it is all right while others who are just as well or perhaps better informed seem to think it is not nearly up to the standard that it should be. It is a question for us all to ponder on for a navy can not be built in a day, and while we might defend our cities by mines and submarines to a certain extent, we have assumed obligations in constructing the Panama canal that may at any time plunge us into war with a military nation.

The present war has taught us that there is no treaty which nations can be made to respect. International law is like any other law when there is no one to enforce it. And as long as governments depend on military control there will always be the possibility of this reversion to barbarism wherein every nation must depend upon its own ability to defend itself. We need an efficient navy large enough to defend our country and our possessions. The size is dependent upon the size of the navy of other nations with whom we are likely to have differences. And while it is a lamentable fact that one military nation can compel all the others to arm and thus hinder advance in the arts of peace we must nevertheless meet conditions as they exist for in these days of rapid transportation no nation lives alone.

The bond issue for 18 millions for the construction of a State highway has proved to be a good expenditure. The great highway is being constructed along proper lines and the roadways of the State have been improved in every department. The legislature has attempted to supplement this by the introduction of a bill for a bond issue of 12 million dollars to fill out the roadbuilding and complete the great highway.

And now another new word has been coined and is in use in Eastern newspapers, promising to become permanent.

It is jitnibus.

The terminal syllables have a Latin finish that may make the work acceptable even in Boston.—Sacramento Bee.

Basis of Current Practice in Design of Reinforced Concrete Structures.

By C. A. P. Turner, M. Am. Soc. C. E.,
M. Can. Soc. C. E., Minneapolis.

The universally accepted basis of reinforced concrete design may be summarized in the following stock quotation from building codes; "see the Chicago, San Francisco, Columbus codes, or those of other cities:

"The adhesion is such as to cause concrete and steel to act together"—or

"The bond between the concrete and the steel is such that the two materials shall act as a homogeneous solid."

Adhesion or bond is thus generally accepted as the connecting link between the concrete and the metal and we should naturally expect to see its operation discussed in all the literature of the art found in text books and the like.

The problem of the continuous flat slab of reinforced concrete is one which the writer has studied continuously for something like seventeen years, and it is needless to say that this study from the scientific view point has not been unaccompanied by many investigations and tests of finished structures. Incidentally the writer has many times designed reinforced concrete floors with two-way continuous beams from support to support and made many tests of such structures, and has also built and tested simple beam structures where the work covered single spans as well.

In any structure in which these is combined stress of the same kind acting in two directions it is a well known fact that these stresses tend to reduce each other or increase the resistance to deformation by mutual action.

Grashof undertook to account for this relation in operation of a homogeneous plate by the general equations of eternal stress and the introduction of Poisson's ratio. In the reinforced concrete plate we have only an imitation of the homogeneous plate. The Poisson effect, or the increased resistance by the co-action of stresses in different directions, would not be property of either the concrete or the metal but a function of their co-action arising from indirect tensions and compressions due to bond shear.

Dr. Eddy has accounted for the deportment of such reinforced concrete plates in a very satisfactory manner by taking a co-efficient representing the lateral action as .5. This step in Dr. Eddy's mathematical solution has been treated by some members of the engineering profession as involving the mystery of Poisson's ratio in which they have no faith at all. Let us see how far the Doctor's mathematics is affected by Poisson's ratio.

The working stress is also reduced in the same ratio. This does not account for a difference of approximately three hundred per cent found in the deflection formula for the continuous beam and the continuous slab and we must turn back to the bond shear relations which I have pointed out in order to understand the matter clearly.

It has been noted that the empirical

co-efficients are such that the stiffness of the continuous beam when combined integrally with a slab is six times as stiff as a simple beam, its stiffness having been increased by the slab with which it is combined from being five times as stiff as a simple beam, as it is in general case of a continuous beam, to six times as stiff, as it is in this case.

The relation can be best understood by consideration of the theory of work discussed very fully in the recent treatise by Dr. Eddy and the present writer, which has been already referred to, in which is shown that where circumferential resistance act in circles about the tops of the columns energy is stored in such a manner that it does not affect the vertical geometry of the slab. When however, the panel is rectangular these resistances act in ellipses about the column tops and the energy is no longer stored in a manner which does not affect the vertical geometry of the floor but it does affect it to a considerable and increasing extent as the panel becomes more and more oblate.

Comparing the continuous plate with the simple beam, the continuous plate with the same cross section of steel at mid span in the square panel, assuming that Poisson's ratio equals zero, is by the theory of work approximately six times as strong and twenty as stiff as the simple beam with the same cross section of steel and thickness of slab and a span equal to the diagonal of the panel.

The absurd character of the regulations in vogue in many cities will become apparent from these regulations which have been presented in a simple manner from the standpoint of experimental evidence from hundred of tests and from the standpoint of theory of work, assuming Poisson's ratio equals zero, as well as from the consequences derived from the general equations of equilibrium or an infinitesimal element in which the lateral effects are given proper consideration in the mathematical determination of deflections and stresses from one and the same formula.

The law governing the mode of operation of the connecting link between the concrete and metal determines the limiting steel ratios. We have 50 per cent of the building codes in the United States requiring 50 per cent more steel than is necessary to develop the concrete used in the continuous slab on column supports. Here, then, is an opportunity for economy without reduction in the safety of the structure.

The Chicago code while requiring computed steel stresses of 100 per cent at mid span greater than determined by test, allows in a light rectangular slab a thickness so small that the true concrete stresses may under test be at least 50 per cent higher than would be computed. This relation is brought about by an irrational comparison of the rectangular slab with a square slab having a side equal to the aver-

age of the long and short sides of the panel. The gross error involved is evident from the deflection formula given and the well-known relation of steel stress to deflection in any fixed arrangement of steel.

In the design of simple slabs or wide beams there is hardly a code that I have examined which would not under the rules followed literally permit double the amount of steel to be used which an experienced engineer would employ to develop the concrete element. Here is an opportunity for the regulations of our cities to be greatly improved, because these rules are supposed to govern the conduct of those who are lacking in experience as well as those who have had the benefit of this experience and the structures figured under the letter of the law may prove unsatisfactory.

In the provisions for shear little attention has been paid to the difference in the horizontal shearing deformations of the continuous and the simple beam. This has been discussed quite fully by Eddy and Turner in their treatise, and it has been shown that the continuous beam is capable of resisting double the shear that the simple beam can carry.

Having discussed briefly beam action and slab action, it is next in order to consider the question of columns. The variations in the regulations of different cities amounts to more than 100 per cent in the amount of material required in the construction of columns for the same load. Such a variation cannot evidently be based on any rational hypothesis.

The American Society Joint Committee has rules governing column design which render such columns as were designed in the Edison factory more economical to build than tough, strong, reliable hooped columns such as are usually built in the western cities and particularly in the north-western sections of the United States and Canada where the enhanced safety in cold weather work coincident to this form is recognized and appreciated. The rules devised by the Joint Committee seem to be based on tests so conducted as to preclude or prevent the coaction of the concrete and metal. That is, test data have been secured from test specimens in which the longitudinal steel and concrete were made to bear equally on the face plate of the machine. The results from such tests can evidently have no relation whatever to the strength developed in a column of a building properly designed.

The committee on concrete and reinforced concrete of the Canadian Society of Civil Engineers have exhibited a higher order of mechanical intelligence in their rules relative to the design of columns than have the committee of the American Society, since they permit reasonable working values which encourage the design of columns well hooped and vertically reinforced.

The great divergence found in test results of columns was the subject of careful consideration by the writer for several years and formulas which would fit test results were found only by taking into consideration the end condition of the vertical steel. This has been discussed quite fully in the recent treatise of Eddy and Turner.

*Extract from address delivered before the Eleventh Convention of the American Concrete Institute.

CONCRETE: A MEDIUM OF AESTHETIC EXPRESSION.

By Irving K Pond, F. A. I. A., Chicago.

Though the use of concrete goes back into antiquity, plastic architecture would seem to be in the veriest infancy, and would seem also to be asking the genius of this age to give it perfect expression and make it worthy to stand with the architecture of the past and the yet-to-come. Though the past be examined for precedent, little will be found. Rome used concrete in bulk—but undeniable evidence of a scientific use of the material is wanting. Rome applied superficially the arts of other times and countries, but of itself left to posterity only monuments expressive of a highly temperamental force, breathing little or nothing of spirituality. Persia covered with stucco or veneered with beautiful tiles her masses of crude masonry. The Arabians and the Moors expressed their emotionalism in a plastic architecture decorated with a skim coat of ornamental plaster or an incrustation of tile, intricate in pattern and beautiful in color. The concrete of the mass was but mud, and the science of building was unknown. In such material beautiful day dreams were realized only to crumble when the spell was past. The Spanish missions were built with rare feeling for mass and light and shade; but feeling swayed and science did not guide. With the science of today to guide and the art experience of the past to illumine, into what logical, noble and beautiful forms should not concrete shape itself, to the end of an enduring, spiritualized architecture.

The possibilities, even the aesthetic possibilities, within the range of reinforced concrete construction can hardly be overestimated. Little beyond the introductory chapter has been written in the history of reinforced concrete, and every advance in the science of its manufacture and use will signal an advance along the line of artistic application. Except in well-defined types, designed to serve certain well-defined uses, it is impracticable so to carry masonry construction beyond and behind the facade as to result in a homogeneous structure — wanting which architecture becomes but a hollow sound. The architecture of a reinforced plastic material may, and logically will, express itself throughout the entire structure to the remotest core. The unity, the truth, the harmony of the whole may in every part be manifested. Therefore, again, the possibilities inherent in concrete present themselves alluringly to the architect to whom the art means as much as does the science of building.

It is not inconceivable that ornamental terra cotta and tile, beautiful in color and texture, and also sculptured stone, will be called upon to embellish and distinguish, though not in any manner to clothe or conceal, the concrete structure. The presence of these materials may be needed as a saving grace in these early days of design in concrete, to save the designers from a too brutal conception of the forms they deem the material must necessarily take. This is an unfortunate, though marked tendency now, in what should be a refined and restrained domestic architecture, to shape concrete, and its lath and plaster imitations, into the crude, though characteristic, forms of the old mission work. It is needless to say that these forms have no meaning outside of their original environment and would have not existed there but for the exigencies of the case—the crude nature of the materials procurable and the absence of all skilled labor.

But today, with art and science co-operating, it would seem as though architecture were on the verge of an awakening. Commercial architecture with us is beginning to feel the thrill. Abroad, monumental architecture as well is showing signs of a renewed joy in life, and structural concrete, both of itself and embellished with richer materials, furnishes the new and seemingly adequate medium of architectural expression.

*Extract from address delivered before the Eleventh Convention of the American Concrete Institute.

EUROPE'S "BLEEDING VEIN."

"The bleeding vein," a great writer called the narrow Bosphorus; there have been so many wars, so much blood spilled in battle there.

It has been the scene of many mighty fights on land and water, and nothing that may be done in the present war in the way of heroic effort, of courage, of daring, of glorious sacrifice can exceed what has already been done there throughout the centuries.

The attacking Allies are simply repeating, with newer devices for breaching walls and for killing men, what the Moslems did when they took Constantinople thirty-nine years before Columbus discovered America. The newer guns will shoot farther, the newer explosives will kill quicker, but their effect is not more cruel than that of the old devices of the Turkish hordes of Mahomet II, which captured Constantinople in 1453.

In April of that year, Mahomet II, determined to wrest Constantinople from the "Christian dogs," gathered an army of two hundred thousand men from every province of Islam and began the twelfth siege of the city, whose fall had been predicted by the prophet Mahomet. His fleet of four hundred galleys blockaded the Bosphorus.

In the land siege of the city the Turks used a great cannon, the direct ancestor of the "busy Berthas" of the recent German operations in Belgium. That cannon must have caused as much awe and consternation then as the German howitzers have in the present war. It was made at Adrianople by a Hungarian founder, named Orban. It was so large and heavy that it required an

army of men to load and point it. It hurled huge granite shot weighing 1,344 pounds each a distance of one mile. When first tested, it is recorded that its smoke formed a curtain over the city, and the stone shot buried itself a fathom deep in the earth.

This gun, and two others, shooting granite balls weighing 672 pounds, and numerous smaller pieces, were hauled up to batter down the walls of Constantinople, but the big gun burst and killed its inventor early in the siege.

Within the city were only five thousand men under arms, but they were filled with religious frenzy and swore to die in the attempt to keep the Turkish infidels out of the city, just as the Turks have sworn now to die rather than let the Christians in.

The Christians had no war galleys but they converted fourteen merchant ships into service and armed them to guard the harbor and the great chains stretched across its entrance.

The cannon of the Christians were small, but they were well served by an old Scotch soldier of fortune, who made havoc in the trenches of the besieging Turks.

During the siege a fleet of four Grecian and Genoese galleys, allies of the besieged Christians, made as heroic a dash as has been made by any mosquito fleet of submarines in the present war. With sails set and raining cannon shot and Greek fire from their decks, the four galleys hurled through the Turkish fleet of four hundred sail and safely entered the harbor, passing over the great chains lowered for their passage, which were then drawn tightly up behind them.

When Mahomet heard of it he was as furious as was the British admiralty a few months ago when a commander of its ships in the Mediterranean let the German ships Goeben and Breslau slip past his guard and sail through the Dardanelles into Constantinople harbor. Mahomet loaded his admiral with chains, gave him a hundred blows of the bastinado with his own hand and sent him into exile. The British recalled its admiral and took away his command. Verily there is nothing new under the sun.

Then came Mahomet's great coup. He laid a chute of greased planks from the shore of the Bosphorus, around back of the city, for five miles to the Golden Horn, near the water front of the city, and seventy of his galleys were hauled by men and horses across dry land and launched again where they could bombard the Christian fleet and city direct.

Then, May 29, the land and water forces, operating together, broke down the walls of the city and the Turks, hungry for slaughter, stormed in. Constantine, the last Christian ruler of Constantinople, fell under the sabers of the Janizaries, who spared neither sex nor age until Mahomet himself wearied of his vengeance.

Since then Constantinople has been the Turkish stronghold in Europe.—Kansas City Star.

General reports seem to indicate that business is coming back to a more normal condition. Bank clearings are on the increase, securities on the New York Stock Exchange have a better tone and outside of the war, 1915 ought to make a pretty good showing.

ADVANCE NEWS

Classified according to Character of Work

APARTMENT HOUSES.

SAN FRANCISCO—Apartment house, 3 story and base, frame, \$35,000. Architect, Frederick H. Meyer, Banker's Investment Bldg., S. F. Owner, L. E. W. Pioda, Merchants' National Bank Bldg., S. F. The building will be erected at the corner of Washington and Taylor streets, and will cover a considerable ground area. There will be a number of two, three and four room suites, all of which will have private baths and wall beds. Interior finish will be of pine with some elm panels. Hardwood floors will be used in the living rooms and dining rooms. Plans provide for steam heat and a hot water system. Bath rooms will be finished in tile. Dumb waiter is specified. Marble and tile wainscot will be used in the entrance vestibule. Exterior of the building will be covered with cement plaster on metal lath. Plans are now being prepared and figures will be called for within the next ten days or two weeks.

SAN FRANCISCO—Apartment house alteration, 3 story and base, frame, \$5,000. Architect, O. E. Evans, 2638 Mission street, S. F. Owner, Mr. Powers. The building located on 26th street near Army will undergo alteration. Included in the work will be new interior trim, plumbing, painting and electric work. The exterior will also be altered and covered with cement plaster on metal lath. Plans are complete and figures are now being taken.

BONDS.

HILLSBOROUGH, SAN MATEO CO., CAL.—The town of Hillsborough is preparing to hold a special election to issue bonds of \$40,000 for the purpose of building several new roads and sewers.

The Town Engineer has been instructed to prepare estimates and specifications on the work which will be presented at the next meeting of the Town Trustees when final action is expected.

MARYSVILLE, YUBA CO., CAL.—The City Council has definitely decided to hold a bond election to raise the necessary funds for the extension of the E street sewer from Tenth to Fourteenth street by the way of D street, the raising of the grade of the latter thoroughfare from Tenth to Fourteenth street, and the abatement of the nuisance existing at the outlet of the present E street sewer. This work will cost approximately \$20,000. The City Attorney has been instructed to prepare the necessary resolutions calling the election. The amount of the bonds to be issued will be decided at the next meeting of the City Council.

FALLON, NEV.—Project Manager D. W. Cole has asked water users of the Government's Truckee-Carson project

to vote on a drainage proposition by open ditches that will involve 39,000 acres of land at a cost of \$9 per acre, making a total of \$352,000.

It is declared that the ability of the acreage affected may be destroyed within a few years by seepage water unless the drainage system is installed.

COLUSA, COLUSA CO., CAL.—The County Supervisors have passed resolutions authorizing the purchase of \$120,000 more highway bonds for the construction of the northern unit between Maxwell and Colusa Junction. The purchase of these bonds means the completion of the State Highway in Colusa County.

OLYMPIA, WASH.—The State Capitol Commission has reached a tacit agreement to issue the \$1,500,000 bonds authorized by the legislative act becoming effective June 10th, if bond authorities believe the securities will be saleable. The proceeds of the sale will go towards the completion of the Temple of Justice and to retire outstanding capitol fund indebtedness.

MARICOPA, KERN CO., CAL.—An election held in Maricopa for the purpose of forming a high school district carried by a vote of 168 for to 3 against.

Another election will be held in the near future, at which time the people of the district will decide on the question of issuing bonds with which to erect a new high school building.

MARTINEZ, CONTRA COSTA CO., CAL.—An election will be held on May 20th at which time the voters will decide the question of issuing and selling bonds to provide funds for additions to be made to the present school building. Four lots adjoining the present building have been purchased for the proposed additions.

ROSEVILLE, PLACER CO., CAL.—The special election held here for the purpose of bonding the Roseville Grammar School District for \$10,000 to build additions to the present school building carried.

Plans for the proposed additions will be ordered immediately.

REDDING, SHASTA CO., CAL.—The Shasta County Chamber of Commerce has endorsed the \$12,000 proposed highway bond issue for completing the highway through the State of California.

SHERIDAN, ORE.—The voters have voted bonds of \$24,000 with which to erect a new school building. The selection of an architect is now under discussion.

RIVERSIDE, RIVERSIDE CO., CAL.—An ordinance calling a special bond election on June 5th to vote bonds of \$50,000 to provide the necessary funds for the construction of the Arlington street sewer has been passed by the City Council.

BRIDGES AND DAMS

SAN FRANCISCO—Cement for Harbor Board. Engineer, Assistant State Engineer Newman, Ferry Bldg., S. F. Owners, State of California. The State Board of Harbor Commissioners is now calling for figures for furnishing the Board with a minimum of 30,000 barrels of cement per year. The contract is to be for one year with an option of two. Additional information can be secured from the State Board of Harbor Commissioners, Ferry Bldg., S. F.

SAN FRANCISCO—Heating system tant State Engineer Newman, Ferry in post office, \$4,746. Engineer, Assistant Bldg., S. F. Owners, State of California. The lowest bid submitted at last Thursday's meeting of the State Board of Harbor Commissioners for installing a heating system in the branch post office was by Carl T. Doell, 467 21st street, Oakland. Ten bids were submitted. A complete list of the figures will be found under the heading of San Francisco in this issue.

BURLINGAME, SAN MATEO CO., CAL.—Bridges, reinforced concrete. Cost not stated. Engineer, City Engineer, Burlingame. Owners, City of Burlingame. At a recent meeting of the Burlingame Trustees steps were taken to build ten concrete bridges in Easton. The old wooden structures now in place have been declared unsafe for travel. The plans and specifications have been prepared. Bids on this work will be called for at an early date.

SANTA BARBARA, SANTA BARBARA CO., CAL.—Bridge, reinforced concrete and steel, \$20,000. Engineer, City Engineer Archie B. Cook, Santa Barbara. Owners, City of Santa Barbara. Engineer Archie B. Cook is completing plans for a bridge to be erected over Mission Creek on Carrillo street. The cost will be about \$20,000. Bids will be called for shortly.

SANTA ROSA, SONOMA CO., CAL.—Bridge, concrete and timber. Cost not stated. Engineer, County Surveyor, Santa Rosa. Owners, Sonoma County. Bids will be opened on May 11th for constructing a bridge over the Santa Rosa Creek in accordance with one of two sets of plans recently adopted by the Supervisors. Plans and specifications can be secured from the County Clerk.

MARTINEZ, CONTRA COSTA CO., CAL.—Trestle and bridge. Cost not stated. Engineer, County Surveyor Arnold, Martinez. Owners, Contra Costa County. County Surveyor Arnold is preparing plans and specifications for the erection of a long trestle over the stretch between Avon and Bay Point. There is also another bridge yet to be built along the route, plans for which Arnold is also arranging. Bids will probably be called at the next meeting of the Supervisors, according to Arnold's statements.

PORTLAND, ORE.—Bridge approach, \$112,988. Engineer, Interstate Bridge Commission, Portland. Owners, States

of Oregon and Washington. Bids opened for the second approach to the interstate bridge, the approach being on the Oregon side, show the Standard American Dredging Company of Oakland, Cal., low on their bid of \$112,988. All bids received were referred to the engineers for report.

CHURCHES.

SEBASTOPOL, SONOMA CO., CAL.—Church, 2 story and base, frame. Cost not stated. Architect, W. J. Wythe, Central Bank Bldg., Oakland. Owners, Methodist Episcopal Church, Sebastopol. The building has been designed in the Mission style and will contain beside a large main auditorium, a Sunday school room, pastor's study and social room. Interior finish will be of pine throughout. There will be heating and ventilating systems. Art glass windows will be installed. Exterior of the building will be covered with cement plaster on metal lath. Plans have been revised and new figures are now being taken.

COURT HOUSES.

SAN FRANCISCO—City Hall hardware, \$20,000. Architects, Bakewell & Brown, 251 Kearny street, S. F. Owners, City and County of San Francisco. Bids opened at the regular Wednesday afternoon session of the Board of Public Works for furnishing the finish hardware on the new City Hall show P. A. Smith low at \$17,125. He will probably be awarded the contract. Only two other bids were submitted. A complete list of the figures will be found under the heading of San Francisco in this issue.

Contracts Awarded.

SAN FRANCISCO—City Hall glass and glazing, \$20,000. Architects, Bakewell & Brown, 251 Kearny street, S. F. Owners, City and County of San Francisco. Contractor, W. P. Fuller & Co. Contract price, \$19,431, and the California Plate and Window Glass Co. Contract price, \$2,000.

FACTORIES AND WAREHOUSES

OAKLAND, CAL.—Coal bunkers, timber construction, \$150,000. Architect, none. Owner, Western Fuel Co. What is to be the largest coal bunkers on San Francisco Bay will be erected at Howard's Wharf by the Western Fuel Co. A lease of the property has been negotiated and plans have been prepared for the construction. A large amount of special conveyor and unloading machinery will be required. Figures will be called for shortly on the work.

LODI, SAN JOAQUIN CO., CAL.—Supply station and oil tank. Cost not stated. Engineer, Engineering Department of the Shell Oil Co., 343 Sansome street, S. F. Owners, the Shell Company. The local manager of the Shell Oil Co. has requested the City Trustees for permission to locate several supply stations throughout the city. The company will start the erection of a number of steel oil tanks and the building of a spur track, 100 feet in length, within the next three weeks.

PORTLAND, ORE.—Warehouse, 6 story and base, reinforced concrete,

\$70,000. Architects, Jacobberger & Smith, Board of Trade Bldg., Portland. Owners, Doernbecher Manufacturing Co., Portland. The building will be erected on East 28th street at the junction of the Oregon-Washington Railroad and Navigation Co., and will cover an area of 100 by 150 feet. Construction will be of reinforced concrete throughout and will be fireproof. Interior finish will be used only in a portion of the building which will be occupied by the officers of the company. There will be elevator service, special power equipment and plumbing. Metal window sash and frames will be used. Exterior of the building will be faced with cement plaster. Plans are complete and in the hands of the owners who will let segregated contracts for the work.

PORTLAND, ORE.—Warehouse addition, 3 story, reinforced concrete, \$70,000. Architects, MacNaughton & Raymond, Title and Trust Bldg., Portland. Owners, Marshall-Wells Hardware Co. The present three story and base reinforced concrete building, located at the corner of 14th and Kearny streets, will be enlarged by the addition of three stories of similar construction. The warehouse covers an area of 200 by 260 feet. The present freight and passenger elevators will be extended. An automatic sprinkling system will be installed and gravity conveyor. Interior finish will be of pine. Metal window sash and frames are specified. Exterior of the building will be faced with cement plaster. Plans are being prepared. Figures will be called for shortly.

PORTLAND, ORE.—Warehouse, 3 story and base, brick, \$30,000. Architects, Root & Kerr, Henry Bldg., Portland. Owner, D. P. Thompson. The building will be erected at the corner of Irving and 15th streets and will cover a considerable ground area. Interior finish will be of pine. Plans provide for a steam heating system, automatic sprinkler and a large freight elevator. Exterior of the building will be faced with dark brick. Plans are complete and figures are now being taken.

OAKLAND, CAL.—Warehouse structural steel, \$14,406. Engineer, Harbor Engineer, Oakland City Hall. Owner, City of Oakland. Bids were opened at the Thursday afternoon session of the Oakland City Council for furnishing and erecting the structural steel frame for the one-story warehouse to be erected on property parallel with the quay wall. The lowest bid was received from Dyer Bros, S. F., for \$14,406, and they will probably be awarded the contract. Four bids in all were received. A complete list of these figures will be found under the heading of Oakland and Alameda County in this issue.

FIREHOUSES AND JAILS

FOLSOM, SACRAMENTO CO., CAL.—Prison completion, cell house, 2 story, reinforced concrete, \$60,000. Architect, State Architect, George B. McDougall, Sacramento. Owner, State of California. Senator Cohn's two bills to appropriate the sum of \$60,000 for the completion of the new cell house at Folsom Prison have been passed by the Senate, and it is said will meet with no further objection. At the present

time the cell house is badly overcrowded, and the completion of the building is an absolute necessity.

PITTSBURG, CONTRA COSTA CO., CAL.—Jail, 1 story, frame. Cost not stated. Engineer, Town Engineer George Oliver, Pittsburg. Owner, Town of Pittsburg. The Town Board of Trustees have ordered City Engineer Oliver to prepare plans and specifications for a temporary jail building. Further mention will be made of the work when bids are advertised.

FLATS

SAN FRANCISCO—Flats, 2 story and base, frame, \$5,000. Architect, none. Owner, O. E. Anderson, 207 10th avenue, S. F. The building will be erected on the north side of Clement street north of 16th avenue, having a frontage of 25 feet and a depth of 66 feet. The building has been designed to contain two modern flats of five and six rooms each. Interior will be finished in pine with some elm panels. Hardwood floors will be used in the living room, dining room and reception hall. There will be an open fire place in each living room. Mantels will be of tile or brick. Tile wainscot will be used in the bath rooms. Automatic water heaters will be installed. Exterior of the building will be covered with rustic and cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor.

SAN FRANCISCO—Flats, 2 story and base, frame, \$3,000. Architect, none. Owner, Thomas F. Carson, 1527 Church street, S. F. The building will be erected on Mission street, north of Persia, and has been designed for a store on the first floor and two flats on the upper floor. Interior finish will be of pine throughout. Some oak floors are specified. There will be an open fire place in each living room with a tile mantel. Imitation tile wainscot will be used in the bath room. Exterior of the building will be covered with cement plaster on metal lath. Plans are now being prepared.

GOVERNMENT WORK & SUPPLIES.

Alaska Government Railway.

The Seward-Fairbanks route has been selected for the Government railway in Alaska. The property of the Alaska Northern Railway Company from Seward over the first stage of the journey has been purchased for \$1,150,000.

The Government system will include a 38-mile branch to tap the Matanuska coal field. W. S. Edes is designated as chairman of the Alaskan Engineering Commission, which will build the road by the President's order. The estimated cost of the entire system is given at \$26,800,000. Congress provided not to exceed \$35,000,000.

Secretary Lane said construction work would be begun at once, and that probably 40 miles of the extension of the Alaska Northern from Ship Creek would be completed this year. Construction will be carried on under contract, individual contractors building separate units of roadway.

In one of the orders signed by the President, the Alaskan Commission was instructed to guard particularly

the health of the men at work and to adopt a system of compensation for accidents similar to that in force on the Panama Canal.

The Interior Department issued a statement in part as follows:

"The route adopted is known as the Susitna route and extends from Seward, on Resurrection Bay, to Fairbanks, on the Tanana River, a distance of 471 miles. This route includes the existing Alaska Northern Railroad, which runs from Seward through the Kenai Peninsula, for a distance of 71 miles to Turnagain Arm. This route is to be bought from its present owners by the Government for \$1,150,000, \$500,000 of which will be paid on the 1st of July, 1915, and the remainder July 1, 1916.

"The contract for the purchase of this road was signed by Secretary Lane and approved by the President, subject to the approval of title.

"From Turnagain Arm the route is to be extended through the Susitna Valley and across Broad Pass to the Tanana River and from there on to Fairbanks. It is to be a standard-gauge road. A side line is to be run from Matanuska Junction into the Matanuska coal fields, a distance of 38 miles. The road is to be built with the present base at Ship Creek, on Cook's Inlet, and from this point it is expected that the Matanuska coal will be shipped during the greater portion of the year. The grade from the Matanuska field to Ship Creek is 4-10th of 1 per cent.

"The President has made an order directing that the work be carried on by the Alaskan Engineering Commission, which is to have the general duty of preparing and adopting plans for construction, the employment of the force, and the making of contracts for the purchase of supplies for the work.

"The members of the commission, which consists of William C. Edes, chairman; Lieut. Frederic Mears, late superintendent of the Panama Railroad, and Thomas Riggs, Jr., are directed to proceed to Alaska at once. The chairman is to make his headquarters at Seward; Lieut. Mears is to be stationed at Ship Creek, and Mr. Riggs is to conduct surveys in the Broad Pass region.

"In one of the orders signed by the President he says:

"I charge the Commission particularly with the preparation and maintenance of such arrangements as may be required for the health of the men engaged in the work of construction, and I instruct you to prepare and adopt a proper system of compensation for accidents which may occur on the work, in general on the lines of the system now in force in the construction of the Isthmian Canal, but such system shall be so framed that its benefits will be applicable not only to those who are directly in the service of the Commission upon salary, but also to those who may, by contract with the Commission, be actually engaged in the work of construction in Alaska."

Secretary Lane in making public the President's orders said:

"The work on the railroad is to begin at once. Lieut. Mears is already on his way to Alaska. Chairman Edes and Mr. Riggs will soon follow. The

first work will be the building of a wharf at Ship Creek and the dredging of a more adequate channel. From this point the railroad will be constructed northward to the Matanuska field. The probability is that not more than 40 miles of road can be constructed this year, owing to the fact that our appropriation is but \$2,000,000. We have something over \$500,000 remaining from the \$1,000,000 last year authorized and this will be used as the first payment on the Alaska Northern road.

"It is expected that the Commission will employ a very small force, chiefly composed of engineers, to supervise the construction. The President has directed the Commission that the few places which are to be filled shall be filled exclusively upon the ground of merit and experience.

Western Navajo Indian School, Dormitory

The contract for the construction of a stone dormitory at the Western Navajo Indian School, Ariz., has been awarded to the Hetzel-Winget Company, Los Angeles, Cal., at \$25,300; time, 150 days.

Berkeley, Cal., Furniture.

The following bids were received by the supervising architect, Treasury Department, Washington, D. C., for installing furniture in the U. S. post office at Berkeley, Cal.:

The Federal Equipment Co., Carlisle, Pa., \$3,542.25.

Jacob Beitzel & Sons, York, Pa., \$3,575.

Louck & Hill Co., Richmond, Ind., \$3,726.78.

Furnas Office and Bank Furniture Co., Indianapolis, Ind., \$3,840.70.

John E. Sjostrom Co., Philadelphia, Pa., \$3,847.50.

Douglas, Wyo., Furniture.

The following bids were received by the supervising architect, Treasury Department, Washington, D. C., for installing furniture in the U. S. post office at Douglas, Wyo.:

Furnas Office and Bank Furniture Co., Indianapolis, Ind., \$1,107.

Jacob Beitzel & Sons, York, Pa., \$1,186.

The Nelson Co., Brooklyn, N. Y., \$1,215.

Louck & Hill Co., Richmond, Ind., \$1,297.34.

John E. Sjostrom Co., Philadelphia, Pa., \$1,330.67.

The Federal Equipment Co., Carlisle, Pa., \$1,346.

FORT BAKER, MARIN CO., CAL.—

Gymnasium addition, 1 story, brick. Cost not stated. Engineer, Constructing Quartermaster, Fort Mason. Owners, United States Government. Plans have been completed and figures are now being taken for an addition to the gymnasium building at Fort Baker. The building will cover an area of 85 by 18 feet with an L 15 by 33 feet. Two modern bowling alleys will be installed. Roof will be of slate. Plans are complete and figures are now being taken. Bids will be opened on May 18th. An official proposal appears in another column of this issue.

FORT HUACHUCA, ARIZ.—Power house, 1 story and base, reinforced concrete. Cost not stated. Engineer,

Capt. E. L. Walton, Constructing Q. M., Fort Huachuca. Owners, United States Government. Plans and specifications have been completed by Capt. E. L. Walton, Constructing Quartermaster at Fort Huachuca, Ariz., for the construction of a concrete power plant, light plant and ice plant to be erected at the post. The specifications have been forwarded to the Const. Q. M. office at Fort Mason for printing and figures will be called for not later than June 15th. Included in the work will be the following: Concrete power plant, concrete chimney, 10-ton crane, 3 150-H. P. boilers, 2 120-H. P. Corless valve engines, 2 75-K. W., 3-phase, 60-cycle generators; 1-feed water heater, 2 feed pumps, 2 circulating pumps, 1 switchboard, 1 15-ton ice machine, 1 5-ton ice machine, 2 150-H. P. Diesel engines, 2 condensers, 1 oil tank, oil burners, transformers, feed water heater, wiring, street lamps, meters, electric fixtures for about 40 buildings, pole line, switches. An official advertisement will appear in the Building and Engineering News when figures are called.

HALLS AND SOCIETY BUILDINGS

ALAMEDA, ALAMEDA CO., CAL.—Lodge hall alterations, 2 story and base, frame, \$2,500. Architect, Paul Dufur, 3008 San Jose avenue, Alameda. Owners, Knights of Columbus. A large two-story and basement frame dwelling located at 2152 Clinton avenue will be altered into lodge rooms. The work will consist of tearing out the present partitions on the second floor and altering the same into lodge rooms. Included in the work will be new interior finish, plumbing, electric work and heating. The organization also intends to build several small bath houses at the wharf. Plans are now being prepared and bids will be called for shortly.

HOSPITALS.

SAN FRANCISCO—Hospital, 4 and 6 story and base. Class A construction, \$1,000,000. Architect, Lewis P. Hobart, Crocker Bldg., S. F. Owners, Regents of the University of California. Architect Hobart states that plans for the excavating for the new hospital building to be erected by the University of California at the Affiliated Colleges in this city are complete and bids will be advertised for at once following the letting of a contract for this work, bids will be called for on the reinforced concrete foundation work and after that for the fireproofing. The contract for the structural steel has been awarded to the U. S. Steel Products Co.

SAN FRANCISCO—Hospital, 1 story and base, reinforced concrete, \$10,000. Architect, City Department of Architecture, Temporary City Hall, S. F. Owner, City and County of San Francisco. The Board of Public Works has allotted \$800 to defray the expense of the preparation of plans and specifications for a nurses' home to be erected at the Relief Home Tract. No details of the work have been published. Further mention of the work will be made as the plans progress.

PATTON, SAN BERNARDINO CO., CAL.—Superintendent's residence, 2 story and base, frame, \$8,749. Archi-

tect, State Architect George B. McDougall, Sacramento. Owner, State of California. Bids opened by the State Department of Engineering for the construction of a two-story and base superintendent's residence at the Southern State Hospital show John Mullin low at \$8,700 and L. G. Bergren & Son of S. F., second low at \$8,749. Bergren & Son will be awarded the contract as they offered to complete the building in considerable less time. A complete list of these figures will be found under the heading of Los Angeles and Southern California in this issue.

HOTELS

BERKELEY, ALAMEDA CO., CAL.—Hotel alteration and addition, 5 story and base, brick, \$14,000. Architect, Eugene K. Martin, 2192 Shattuck avenue, Berkeley. Owner's name withheld. The present five-story and base office building located on the east side of Shattuck avenue between Center and Addison streets will be altered into a modern hotel. Besides the usual interior finish work, plumbing, electric work, painting and heating, the work will include the installation of an automatic elevator. Exterior brick work and marble bases will be required. Plans are complete and figures are now being taken.

SAN FRANCISCO—Hotel, 10 story and base. Class A construction. Cost not stated. Architects, Rousseau & Rousseau, 110 Sutter street, S. F. Owner's name withheld. The building will be erected in the down town district, and will be designed for a high-class commercial hotel. There will be stores on the first floor besides the hotel office and lobby. Upper floors will contain single rooms and baths. There will be a complete steel frame with exterior walls of pressed brick faced with terra cotta. Only preliminary plans have been prepared and details will be given later.

RAILROAD CONSTRUCTION AND EQUIPMENT

SAN FRANCISCO—Freight house platform, \$5,000. Engineer's name not given. Owner, A. T. & S. F. R. R. Co., 3rd and Channel streets, S. F. Plans have been completed and the work is now underway for the construction of a large freight platform at the company's freight house on Kentucky street near Channel.

MODESTO, STANISLAUS CO., CAL.—Passenger station, 2 story and base, reinforced concrete, \$20,000. Architect, Engineering Department Southern Pacific Co., Flood Bldg., S. F. Owners, Southern Pacific Co. The Railroad Commission has granted the S. P. Co. an extension of six months' time for building a new depot at Modesto. As has been previously stated the building will be of reinforced concrete construction, containing waiting rooms a freight handling department and baggage room. The design is in the mission style. The exterior will be covered with cement plaster.

RESIDENCES.

SAN FRANCISCO—Residence, 2 story and base, frame, \$3,000. Architect, none. Owners, Martin and Hans

Nelson, 515 Dolores street, S. F. The dwelling will be erected on the east side of 18th avenue south of Geary street, and has been designed to contain six rooms and bath. Interior finish will be of pine and redwood with some elm panels. Hardwood floors will be used in the living room and dining room and reception hall. There will be an open fire place with tile or brick mantel. An automatic water heater is specified. Bath room will be finished in tile. Exterior of the dwelling will be covered with rustic and cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor.

SAN FRANCISCO—Residence, 2 story and base, frame, \$6,000. Architect, none. Owner, James Welsh, 244 20th avenue, S. F. The dwelling has been designed for an eight-room house with two baths and sleeping porch, and will be erected on the east side of 10th avenue south of Anza. Interior finish will be of pine and hardwood with elm panels in the principal rooms. Bed rooms will be finished in white enamel. Hardwood floors will be used in the living room, dining room and reception hall. Plans provide for furnace heat, open fire places and hot water circulating system. Bath rooms will be finished in tile and equipped with high grade plumbing fixtures. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor. Materials are now being purchased.

SAN FRANCISCO—Residence, 2 story and base, frame, \$7,500. Architect, Charles J. Rousseau, 46 Kearny street, S. F. Owner, Mr. Fuller. The dwelling will be erected on Forest Hill, and has been designed to contain eight rooms, two baths and sleeping porch, and a separate garage. Interior of the dwelling will be finished in southern gum, pine and white enamel. Hardwood floors will be used throughout the first story. Bath rooms will be finished in tile and equipped with high grade plumbing fixtures. There will be open fire places and tile mantels. A hot water system for heating will be installed. Vacuum cleaning is also specified. Exterior of the dwelling will be covered with cement plaster on metal lath, and has been designed in the Tudor style. Plans are now being prepared and figures will be called for shortly.

SAN FRANCISCO—Residence, 2 story and base, frame, \$5,000. Architect, Albert Farr, Foxcroft Bldg., S. F. Owner, William Little. The dwelling has been designed for a seven-room house with bath and sleeping porch, and will be erected on the east side of 17th avenue north of Lake street. Interior will be finished in pine and redwood with some elm panels. Bed rooms will have white enamel finish. Hardwood floors will be used in the principal rooms. Plans provide for furnace heat and open fire places. Mantels will be of tile or brick. An automatic water heater is specified. Bath rooms will be finished in tile. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are now being prepared.

SAN FRANCISCO—Residence, 2 story and base, frame, \$3,500. Architect, none. Owner, Allie B. Johnson,

1032 Balboa street, S. F. The dwelling has been designed for a six-room house with bath, and will be erected on the north side of Balboa street west of 11th avenue. Interior will be finished in pine with some elm panels. Bed rooms will be finished in white enamel. Hardwood floors will be used in the living room, dining room and reception hall. There will be open fire places and tile or brick mantels. Tile wainscot will be used in the bath room. An automatic water heater is specified. Exterior of the dwelling will be covered with cement plaster on metal lath. The work will be carried on under the superintendence of Otto F. Schiller, and will be done by Day Labor.

SAN FRANCISCO—Residences, 2, 2 story and base, frame, \$9,000 each. Architects, Falch & Knoll, Hearst Bldg., S. F. Owner, Eisenbach Co. These two dwellings have been mentioned here before, and will be erected on Cherry street near Sacramento. Each of the houses has been designed to contain nine rooms, two baths and sleeping porch, and private garage. Interiors will be finished in southern gum, elm, pine and white enamel. Hardwood floors will be used in the living rooms, dining rooms, libraries and reception halls. There will be a central heating system, probably furnace heat. Open fire places are also specified. Mantels will be of tile or brick. Bath rooms will be finished in tile. A hot water circulating system and vacuum cleaning will be installed. Interiors of the dwellings will be covered with cement plaster on metal lath. Plans are complete and in the hands of the owners who are now taking figures on the work.

SAN FRANCISCO—Residence, 2 story and base, frame, \$3,600. Architect, none. Owner, Thomas Hamill, 268 25th avenue, S. F. The dwelling will be erected on the east side of 15th avenue south of Geary street, and has been designed for a six-room house with bath and sleeping porch. A garage will occupy the basement. Interior finish will be of pine and some elm panels. Hardwood floors will be used in the living room, dining room and reception hall. There will be a large open fire place in the living room. Mantel will be of tile or brick. Bath room will be finished in tile. An automatic water heater is specified. Exterior of the dwelling will be covered with rustic. Plans are complete and in the hands of the owner who will do the work by Day Labor. Materials are now being purchased.

SAN FRANCISCO—Residence, 2 story and base, frame, \$2,500. Architect, none. Owner, J. S. Purcell, 856 Presidio avenue, S. F. The dwelling will be erected on 16th avenue south of Balboa street, and has been designed for a five-room house with bath. A garage will occupy the basement. Interior finish will be of pine with elm panels in the dining room. Hardwood floors will be used in the living room dining room and reception hall. There will be an open fire place with tile or brick mantel. Imitation tile wainscot will be used in the bath room and kitchen. An automatic water heater is specified. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are complete and in the hands

of the owner who will do the work by Day Labor.

SAN FRANCISCO — Residence, 2 story and base, frame, \$2,500. Architect, none. Owner, F. Nelson, 30 Presidio Terrace, S. F. The dwelling has been designed for a five-room house with bath and will be erected on the west side of 27th avenue south of Lincoln Way. Interior will be finished in pine and elm. Some hardwood floors will be used. There will be a large open fire place in the living room with a tile or brick mantel. Bath room will have tile wainscot. An automatic water heater is specified. Exterior of the dwelling will be covered with rustic and cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor. Materials are now being purchased.

BERKELEY ALAMEDA CO., CAL. — Residence, 2 story and base, frame, \$4,500. Architect, Olin S. Grove, 2911 Telegraph avenue, Berkeley. Owner, Matthew Hunter. The dwelling will be erected in Eton Court, and has been designed for a seven-room house with bath, sleeping porch, and garage. Interior finish will be of pine, elm panels and white enamel in the bed rooms. Hardwood floors will be used in the principal rooms. Plans provide for furnace heat and open fire place. Mantel will be of tile or brick. An automatic water heater will be installed. Bath room will be finished in tile. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are complete and the owner is taking sub-figures. Mr. Hunter may be reached at his place of business at the corner of Shattuck and Woolsey streets Berkeley.

BERKELEY ALAMEDA CO., CAL. — Residence, 2 story and base, frame, \$4,500. Architect, Olin S. Grove, 2911 Telegraph avenue, Berkeley. Owner, Frederick Townsend. The dwelling will be erected in Arlington Oaks, near Berkeley, and has been designed for an eight-room house with bath and sleeping porch. A garage will also be erected on the property. Interior of the dwelling will be finished in pine with elm panels and white enamel in the bed rooms. Hardwood floors will be used in the living room, dining room and reception hall. There will be open fire places with tile or brick mantels. Tile wainscot will be used in the bath room. An automatic water heater is specified. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are now being prepared.

BERKELEY ALAMEDA CO., CAL. — Residence, 2 story and base, frame, Cost not stated. Architect, N. W. Shaw, 3073 Bateman street, Berkeley. Owner, Mrs. A. Cornell Perdue. The dwelling will be erected on College avenue near Alcatraz, and has been designed for a six-room house with bath and sleeping porch. Interior finish will be of pine and redwood. Hardwood floors will be used in the living room, dining room and reception hall. There will be an open fire place in the living room. Mantel will be of brick. Tile wainscot will be used in the bath room. An automatic water heater is specified. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are complete and

figures are now being taken by the architect.

HILLSBOROUGH, SAN MATEO CO., CAL. — Residence and stable, 2 story and base, reinforced concrete. Cost not stated. Architect, Willis Polk, Hobart Bldg., S. F. Owner, W. B. Bourn, President of the Spring Valley Water Co. The dwelling will be erected on a large estate near Hillsborough. Beside the dwelling there will be extensive stables, conservatory and other buildings. Construction will be of reinforced concrete. The design will probably be in the classic style. No details as to arrangement and construction have been made public. Further mention will be made of the work as the plans progress. It is reported that Mr. Bourn has spent in the neighborhood of \$100,000 on the estate.

SAN JOSE, SANTA CLARA CO., CAL. — Residence, 1 story and base, frame, \$2,000. Architect, none. Owner, P. N. Dalis, First and Post streets, San Jose. The dwelling will be erected on Hull avenue, and has been designed for a five-room house with bath. Interior finish will be of pine throughout. Some oak floors will be used. There will be an open fire place in the living room. Mantel will be of tile. Tile wainscot will be used in the bath room. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor.

SAN JOSE, SANTA CLARA CO., CAL. — Residence, 1 story and base, frame, \$1,800. Architect, none. Owner, Joe Tancilla, 768 North 15th street, San Jose. The dwelling will be erected on North 15th street, and has been designed to contain five rooms and bath. Interior finish will be of pine and redwood. Some oak floors will be used. There will be an open fire place in the living room. Mantel will be of tile. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor.

MILL VALLEY, MARIN CO., CAL. — Residence, 1½ story and base, frame, \$3,500. Architects, Falch & Knoll, Hearst Bldg., S. F. Owner, Mrs. Quedness. The dwelling has been designed for a six-room house with a large veranda and sleeping porches. A complete basement will be excavated. Interior of the dwelling will be finished in pine with hardwood floors in the living and dining rooms. Bath room will be finished in tile. There will be a large open fire place in the living room with a brick mantel. An automatic water heater will be installed. Exterior of the dwelling will be lap-sided. Plans are now being prepared.

FRESNO, FRESNO CO., CAL. — Residences, 2, 2 story and base, frame, \$3,000 each. Architect, none. Owner, John Stark 14 Effie street, Fresno. The dwellings will be erected in the Villa Addition and each has been designed to contain six rooms, bath and sleeping porch. Interior finish will be of pine with some elm panels. Hardwood floors will be used in the principal rooms. There will be a large open fire place in the living rooms. Mantels will be of tile or brick. Tile wainscot will be used in the bath rooms. Automatic water heaters are

specified. Exterior of the houses will be covered with rustic and cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor.

SAN FRANCISCO — Residence, 2 story and base, frame, \$2,500. Architect, O. E. Evans, 2861 Mission street, S. F. Owner, D. Condon, 4188 20th street. The dwelling will be erected on the west side of 46th avenue south of Cabrillo, and has been designed for a five-room house with bath and sleeping porch. Interior will be finished in pine with some elm panels. Hardwood floors will be used in the living room, dining room and reception hall. There will be an open fire place with tile or brick mantel. Imitation tile wainscot will be used in the bath room. An automatic water heater is specified. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor.

OAKLAND, CAL. — Residence, 2 story and base, frame, \$6,000. Architects, Milwain Bros., Delger Bldg., Oakland. Owner, J. E. Dibert. The dwelling has been designed for a nine-room house with two baths and sleeping porches, and will be erected on Belmont near Staten avenue. Interior of the house will be finished in pine and hardwood with white enamel in the bed rooms. There will be a hot air furnace and open fire places. Mantels will be of tile. Hardwood floors will be used in the principal rooms. Bath rooms will be finished in tile. An automatic water heater is specified. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are complete and figures are now being taken.

PALO ALTO, SANTA CLARA CO., CAL. — Residence, 1½ story and base, frame, \$3,000. Architect, Sidney B. Newsom, Nevada Bank Bldg., S. F. Owner, Miss Elizabeth Gardner. The dwelling will be erected in Palo Alto, and has been designed for a six-room house with bath and sleeping porch. Interior finish will be of pine and hardwood with some white enamel. Hardwood floors will be used in the living room, dining room and reception hall. There will be furnace heat and open fire places. Mantels will be of brick. Tile will be used in the bath room. An automatic water heater will be installed. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are complete and figures are now being taken.

FRESNO, FRESNO CO., CAL. — Residence, 1 story and base, frame, \$2,000. Architect, none. Owner, G. C. Cannon, 312 Abby, Fresno. The dwelling will be erected in the Belmont Addition, and has been designed to contain five rooms and bath. Interior will be finished in pine and redwood. Some oak floors will be used. There will be a large open fire place in the living room. Mantel will be of tile. Exterior of the dwelling will be covered with rustic and cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor. Materials are now being purchased.

FRESNO, FRESNO CO., CAL. — Residence, 1 story and base, frame, \$1,500. Architect, none. Owner, A. J. Sowles, 2804 Madison street, Fresno. The

dwellings will be erected in Bartlett Heights, and has been designed to contain five rooms and bath. Interior finish will be of pine and redwood. Some oak doors are specified. There will be an open fire place in the living room with tile or brick mantel. Exterior of the dwelling will be covered with rustic and cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor.

SAN FRANCISCO.—Residence, 1 story and base frame, \$10,000. Architect, none. Owners, 1300 & 1302 Market street. The dwelling will be erected on the west side of 33rd avenue south of Lincoln Way, and has been designed for a seven-room house with bath and sleeping porch. Interior will be finished in pine and hardwood with some white enamel. Hardwood floors will be used in the principal rooms. There will be furnace heat and open tile floors. Mantels will be of tile or brick. Tile wainscot will be used in the bath room. An automatic water heater will be installed. Exterior of the house will be covered with cement plaster on metal lath. Plans are complete and in the hands of the owners who will do the work by Day Labor. Materials are now being purchased.

SAN FRANCISCO.—Residence, 1 story and base frame, \$10,000. Architect, none. Owner, Emil Nelson, 144 Howell street, S. F. The dwelling will be erected on the west side of 14th avenue south of California, and has been designed for a seven-room house with bath and sleeping porch. Interior will be finished in pine and hardwood with white enamel in the bed rooms. There will be hardwood floors in the principal rooms. Plans provide for open fire places and tile or brick mantels. Bath room will have tile wainscot. An automatic water heater will be installed. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor.

SEWERS, STREET WORK & WATER SYSTEMS.

WOODLAND, YOLO CO., CAL.—Water system improvements. Cost not stated. Engineer, Engineering Department Yolo Water and Power Co., Woodland. The Yolo Water and Power Company has decided to erect a number of permanent buildings at Woodland to house its machinery and supplies. An entire block of land has been purchased at the site. Willis Pike is general manager of the Company at the Woodland office.

STOCKTON, SAN JOAQUIN CO., CAL.—Storm water sewer, \$20,000. Engineer, City Engineer H. T. Compton, Stockton. Owners, City of Stockton. Action on the construction of this system is expected immediately. A bond election will be held in June to raise the necessary funds with which to complete construction. From present indications the issue will carry by a large majority. When bonds have been sold bids will be called.

SANTA CRUZ, SANTA CRUZ CO., CAL.—Sanitary sewer. Cost not stated. Engineer, City Engineer, Santa Cruz. Owners, City of Santa Cruz. At the last meeting of the City Council,

the City Engineer presented plans and specifications for a 16-inch sewer nearly two miles in length. The sewer includes work on the following streets: Cliff road, Columbia street, Pelton avenue and other streets, National, Bay, Centennial, Liberty, Gharkey, Laguna, Monterey, Nevada and Oregon streets. Bids on this work will be called on the approval of the plans.

SANTA CRUZ, SANTA CRUZ CO., CAL.—Highway construction. Cost not stated. Engineer, County Surveyor, Santa Cruz. Owners, Santa Cruz County. The County Supervisors have decided to call for bids for the construction of a road leading to the State Redwood Park.

BURLINGAME, SAN MATEO CO., CAL.—Street paving, \$13,544.50. Engineer, City Engineer, Burlingame. Owners, City of Burlingame. Plans and specifications for the paving of Cypress avenue and portions of Barriohlet and Occidental avenues have been adopted by the city officials and bids for the work will probably be called at their next meeting. The engineer's estimate on the cost of the work is \$13,544.50.

DALY CITY, SAN MATEO CO., CAL.—Sewer system. Cost not stated. Engineer, City Engineer, Daly City. Owners, Daly City. Plans are complete and figures are now being taken for the construction of the following sewers in Daly City: 15-inch in San Jose avenue, and an 8-inch across San Jose avenue. There will be the customary Y branches and manholes. Plans can be secured from the City Engineer. Bids will be opened on May 10th.

TULARE, TULARE CO., CAL.—Street paving. Cost not stated. Engineer, City Engineer, Tulare. Owners, City of Tulare. Because the Federal Construction Co., Sharon Bldg., S. F., did not start work within fifteen days after the award of contract for doing certain paving work in this city, the new Board of Trustees has instructed the City Clerk to inform the Federal Company that their contract is now invalid.

BAKERSFIELD, KERN CO., CAL.—Sewer work. Cost not stated. Engineer, City Engineer, Bakersfield. Owners, City of Bakersfield. No bids were received by the City Council of this city for the completion of the Myrtle street sewer. New bids will probably be called for.

TAFT, KERN CO., CAL.—Dyke construction. Cost not stated. Engineer, Engineering Department Standard Oil Co., S. F. Owners, Standard Oil Co. The Standard Oil Company is preparing to build a new catch basin beyond the gap of the McNee lease, that all danger may be obviated should any of its tanks burst. This basin is to be built so as to stop the flow of the 2,000,000 barrel tank farm on section 16, between the Buena Vista and Elk Hills. Bids are now being received for the work. The contract calls for the moving and placing of 20,000 yards of dyke, the dyke to be about half a mile in length.

CALEXICO, IMPERIAL CO., CAL.—Street paving, etc. Cost not stated. Engineer, City Engineer, Calexico. Owners, City of Calexico. Plans have been completed for street paving, sidewalks and gutters. Bids will be opened on May 11th. Plans and specifications

can be secured from the City Clerk.

RIVERSIDE, RIVERSIDE CO., CAL.—Storm water sewer, \$20,000. Engineer, City Engineer, Riverside. Owners, City of Riverside. All bids received for the building of the big Market Street-Fairmount Boulevard storm drain have been rejected by the City Council. New bids will be called for. The low bidders on this work were Mlagenovich & Gillespie of Los Angeles at \$20,000.

PAYSON CITY, UTAH.—Reclamation work. Cost not stated. Engineers, U. S. Reclamation Service, Provo, Utah. Owners, United States Government. Bids will be opened on May 19th for approximately 30,000 cubic yards of excavation and 3,400 cubic yards of reinforced concrete work. Plans and specifications can be secured from the U. S. Reclamation Service at Provo, Utah. An official proposal appears in another column of this issue.

Contracts Awarded.

RIVERSIDE, RIVERSIDE CO., CAL.—County highway, \$15,966.50. Engineer, County Surveyor, Riverside. Contractor, A. S. Hilliard, Anaheim. Contract price, \$15,966.50.

SACRAMENTO, CAL.—Sewer construction, \$81,052.48. Engineer, City Engineer, Sacramento. Owners, City of Sacramento. Contractors, James Kennedy Co., Los Angeles. Contract price, \$81,052.48.

SACRAMENTO, CAL.—Water main extension, \$593,525.59. Engineer, City Engineer, Sacramento. Owners, City of Sacramento. Contractors, Schaw-Batcher Co., S. F. Contract price, \$593,525.59.

PALO ALTO, SANTA CLARA CO., CAL.—Water main extensions, \$13,396.14. Engineer, City Engineer, Palo Alto. Owners, City of Palo Alto. Contractor, James Stanley, Sr., Palo Alto. Contract price, \$13,396.14.

SAN MATEO, SAN MATEO CO., CAL.—Street paving, \$71,032.50. Engineer, City Engineer, San Mateo. Owners, City of San Mateo. Contractors, McGillivray Construction Co., Sacramento. Contract price, \$71,032.50.

RIVERSIDE, RIVERSIDE CO., CAL.—Street paving, macadam, \$11,397.43. Engineer, City Engineer, Riverside. Owners, City of Riverside. Contractors, Johnson-Shea Co., Riverside. Contract price, \$11,397.43.

CALIFORNIA—State Highway construction. Cost as follows. Engineer, State Highway Commission, Forum Bldg., Sacramento. Owners, State of California. Contractors, Frank L. Smith, Eureka. Contract price, \$92,435.20. Monterey Co., Div. 5, Route 2, Sec. H. T. M. Burns, Sacramento, \$30,662. Monterey Co., Div. 5, Route 2, Sec. A. Twoby Bros., S. F., \$39,729. Sonoma Co., Div. 4, Route 1, Sec. C. Bates, Borland & Ayer, Oakland, Contra Costa Co., Div. 4, Route 14, Sec. A.

SCHOOLS.

BERKELEY, ALAMEDA CO., CAL.—School, 1 story and base frame, \$37,000. Architects, Coxhead & Coxhead, Hearst Bldg., S. F. Owners, City of Berkeley. The building will be erected on property bounded by Rose street, Shattuck avenue, Vine and Walnut streets, and has been designed to contain six rooms and auditorium. Interior will be fin-

ished in pine throughout. Maple floors will be used in the class room and auditorium. A central heating system, probably steam heat with an oil burning furnace, will be installed. Modern school plumbing and vacuum cleaning are specified. Exterior of the building will be covered with cement plaster on metal lath. Plans are complete and figures are now being taken. Bids will close on May 15th at 10 a. m. Separate figures are being called for on the general contract and the heating and ventilating.

RICHMOND CONTRA COSTA CO., CAL. School heating and ventilating system. Cost not stated. Engineers, Leland & Healy Richmond Owners, City of Richmond. Plans have been completed for the heating and ventilating system which is to be installed in the Fairmont school. Bids are now being taken for the work and figures will be opened on May 15th at 8 p. m. Plans and specifications can be secured from the engineers at Richmond.

NEEDLETA, FRESNO CO., CAL. School, 1 story frame. Cost not stated. Architect, Ernest J. Kamp. Fresno Owners, Alta School District. The building has been designed for a rural school and will contain two class rooms. Interior will be finished in pine. Exterior of the building will be covered with rustic and shiplap. Plans are now being prepared.

Contracts Awarded.

SANTA CRUZ, SANTA CRUZ CO., CAL. School, 2 story and base, frame, \$10,000. Architect, W. H. Weeks, 75 Post Street, S. P. owner. City of Santa Cruz. Contractors, McGleffert Bros. Santa Cruz. Contract price, \$2,000.

EVERETT, WASH. School, 1 story and base, reinforced concrete, \$7,536. Architect, W. W. Hastings. Everett Owners, School District No. 24. Contractor, A. F. McAdams. Contract price, \$7,536.

STORES AND OFFICES.

SALT LAKE CITY, UTAH. Stores and offices, 20 story and base. Class A construction. \$1,000,000. Architects, Parkison & Bergstrom. Security Bldg. L. A. owners. Deseret National Bank Salt Lake City. Preliminary plans have been approved for the tallest commercial building yet erected in the Mountain States. The building will occupy a prominent corner of Salt Lake and will cover a large ground area. The entire first floor, a mezzanine and basement will be occupied by the bank. Upper floors will be arranged for offices. There will be a complete steel frame with exterior walls of concrete faced with pocked brick, granite and terra cotta. Further details of the work will be given as the plans progress.

BERKLEY, ALAMEDA CO., CAL. Stores, 1 story and base, frame, \$1,000. Architect, Frank Hirschberger, 8715 Col lege Avenue Berkeley. Owner, H. E. Chandler. The building will be erected at the corner of Ashby and Grove streets and has been designed to contain four small stores. Figures will be finished in pine. Floor, stone fronts are specified. Exterior will be covered with cement plaster on metal lath. Plans and complete and figures are being taken.

Contracts Awarded.

ATASCADERO, SAN LUIS OBISPO CO., CAL. Administration building and Press building, 1 and 1 story and base, reinforced concrete, \$28,000. Architects, Bliss & Paville, Balboa Bldg. S. P. owners, Atascadero Colony. Contractors, F. O. Engstrom Co., 4th and Seaton streets, L. A. Contract price Administration building, \$16,300. Press building, \$10,800.

HONOLULU, HAWAII. Stores and offices, 3 story and base, reinforced concrete, \$5,000. Architect, H. Kott, Honolulu owner, Mr. Wolfers. Contractors, Freitas & Fernandez, Honolulu. Contract price, \$5,000.

SEALED PROPOSALS

PROPOSALS FOR CANAL SUPPLIES.

PANAMA CIRCULAR 921. Proposals for Steel Rolling Doors for Shed on Pier No. 18, Balboa. Sealed proposals will be received at the office of the general purchasing officer, the Panama Canal, Washington, D. C., until **10:30 a. m. May 17, 1915**, at which time they will be opened in public, for furnishing or furnishing and erecting the above mentioned articles. Blanks and general information relating to this circular (No. 921) may be obtained from this office or the office of the assistant purchasing agent, 1081 North Point Street, San Francisco, Cal., also from the U. S. engineer offices in the following cities: Seattle, Wash.; Los Angeles, Cal. F. C. ROGERS, major, corps of engineers, U. S. army, general purchasing officer.

PROPOSALS FOR EXCAVATING AND CONCRETE.

EXCAVATING AND CONCRETE. Department of the Interior, U. S. Reclamation Service, Washington, D. C. Sealed proposals will be received at the office of the U. S. Reclamation Service, Provo, Utah, until **2 o'clock p. m. May 10, 1915**, for construction involving about 30,000 yards of canal excavation and 3,400 yards of reinforced concrete. The work is located near Payson City, Utah on the San Pedro, Los Angeles and Salt Lake R. R. and the Pacific branch of the Denver and Rio Grande R. R. For particulars address the U. S. Reclamation Service, Provo, Utah or Washington, D. C. A. P. DAVIS, chief engineer.

PROPOSALS FOR CANAL SUPPLIES.

PANAMA CIRCULAR 920. Proposals for Galvanized Sheet Iron or Steel, Stay Bolt Iron Cast Iron Water Pipe, Bolts, Mule Shoes, Flush Pipe, Screws, Pipes, Transmitters, Generators, Switchboards, Electric Cable, Electric Wire, Soft Iron Wire, Fire Hydrants, Service and Valve Boxes, Life Preservers, Paper Drinking Cups and Alrafta Hay. Sealed proposals will be received at the office of the general purchasing officer, the Panama Canal, Washington, D. C., until **10:30 a. m. May 13, 1915**, at which time they will be opened in public for furnishing the above mentioned articles. Blanks and general information relating to this circular (No. 920) may be obtained from this office or the office of the assistant purchasing agent, 1081 North Point Street, San Francisco, Cal., also from the U. S. engineer offices in the following cities: Seattle, Wash.; Los Angeles, Cal. F. C. ROGERS, major, corps of engineers, U. S. army, general purchasing officer.

PROPOSAL FOR BIDS.

SEALED BIDS will be received at the office of Lewis P. Hobart, Crocker Building, San Francisco, Cal., at or before the times hereafter mentioned, for the Excavation, Steel Erection, Concrete Work for Foundation and Fire-proofing of the Structural Frame and other Concrete Work in connection

with the building, for the University Hospital at Fourth and Parnassus Aves., San Francisco, as per plans and specifications on file at said office. The times of opening of the bids will be as follows:

Excavation, 11 A. M., May 12, 1915.
Steel Erection, 11 A. M., May 14, 1915.
Concrete Work for Foundation, 11 A. M., May 17, 1915.

Fire-Proofing of the Structural Frame and other Concrete Work, 11 A. M., May 18, 1915.

A deposit of \$5.00 will be required for each set of plans and specifications, which deposit will be refunded upon return of said plans and specifications.

No bids will be received unless accompanied by check or bond in favor of the undersigned, equal to 10% of the bid, to secure execution of the contract by the successful bidder.

The right is reserved to reject any or all bids.

THE REGENTS OF THE UNIVERSITY OF CALIFORNIA

NOTICE TO CONTRACTORS.

OFFICE CONSTRUCTING QUARTERMASTER, Fort Mason, Cal., May 3, 1915. SEALED PROPOSALS, in triplicate, for constructing an Addition to Post Exchange and Gymnasium, Fort Baker, Cal., will be received here until **11:00 A. M., May 18, 1915**, and then opened. Plans, specifications, blanks and necessary information obtained here. Deposit of \$10.00 required to insure return of plans, etc. Proposals to be enclosed in sealed envelopes and addressed LT. COL. GEO. MEK. WILLIAMSON, Q. M. C.

PROPOSALS FOR VALVE OUTLETS.

VALVE OUTLETS. Department of the Interior, U. S. Reclamation Service, Washington, D. C. Sealed proposals will be received at the office of the United States Reclamation Service, 605 Federal Building, Los Angeles, Cal., until **2 o'clock p. m. May 12, 1915**, for furnishing needle valve outlets for Roosevelt reservoir, Salt River project, Arizona. For particulars address United States Reclamation Service, Washington D. C., or Los Angeles, Cal. A. P. DAVIS, chief engineer.

PROPOSALS FOR PANAMA SUPPLIES.

PANAMA CIRCULAR 918. Proposals for Sanitary Fixtures, Range Rollers, Steel and Iron Castings, Staybolt Iron Pig Iron, Bronze Bars, Bronze Wire Netting, Brass Tubing, Door Bolts, Hinges, Door Hooks, Shutter Knobs, Reamers, Files, Hoeg, Cant Hook Handles, Magnesia Pipe Coverings, Glue, Putty, Sol Soda, Coal Tar, Carbon Bi Sulphide, Copper Sulphate, Turpentine, Linsed Oil, Benzine, Alcohol, Muriatic Acid, Japan Primer, Red Lead, White Lead, Lampblack, Paints, Varnish and Yellow Pine Box Car Roofing and Siding. Sealed proposals will be received at the office of the general purchasing officer, the Panama Canal, Washington, D. C., until **10:30 a. m. May 5, 1915**, at which time they will be opened in public for furnishing the above mentioned articles. Blanks and general information relating to this circular (No. 918) may be obtained from this office or the office of the assistant purchasing agent, 1081 North Point Street, San Francisco, Cal., also from the U. S. engineer offices in the following cities: Seattle, Wash.; Los Angeles, Cal. F. C. ROGERS, major, corps of engineers, U. S. army, general purchasing officer.

PROPOSALS FOR CANAL SUPPLIES.

PANAMA CIRCULAR 916. Proposals to furnish or furnish and erect Structural Steel for Shed on Pier No. 18 at Balboa Terminals. Sealed proposals will be received at the office of the general purchasing officer, the Panama Canal, Washington, D. C., until **10:30 a. m. May 3, 1915**, at which time they will be opened in public for furnishing or furnishing and erecting the above mentioned articles. Blanks and general information relating to this circular (No. 916) may

be obtained from this office or the office of the assistant purchasing agent, 102½ North Point street, San Francisco, Cal., also from the U. S. engineer office in the following cities: Seattle, Wash., Los Angeles, Cal., E. C. BOWLES, major, corps of engineers, U. S. army, general purchasing officer.

PROPOSALS FOR EXCAVATING.

EXCAVATION. Department of the Interior, U. S. Reclamation Service, Washington, D. C. Sealed proposals will be received at the office of the United States Reclamation Service, Malta, Mont., until 2 o'clock p. m. May 12, 1915, for about 95,000 cubic yards of canal excavation. The work is located about 10 miles from the town of Saco, Mont., on the Great Northern Railway. For particulars address the United States Reclamation Service, Washington, D. C., Great Falls, Mont., or Malta, Mont. A. P. DAVIS, chief engineer.

PROPOSALS FOR PIPE.

PROPOSALS FOR WATER AND SEWER WORK.

WATER AND SEWER WORK. Sealed proposals indorsed "Proposals for Sewer and Water Systems" will be received at the bureau of yards and docks, Navy Department, Washington, D. C., until 11 o'clock a. m. May 15, 1915, and then and there publicly opened for sewer and water systems at the naval radio station, San Diego, Cal. Plans and specifications can be obtained on application to the bureau or to the commanding officer of the naval coal depot, San Diego, Cal. H. R. STANFORD, chief of bureau.

NOTICE TO CONTRACTORS.

SEALED BIDS will be received by W. F. McClure, State Engineer, Forum Building, Sacramento, California, up to and including 12 o'clock, noon, Tuesday, May 18, 1915, said bids then and there to be publicly opened and read for furnishing all plant, materials, and labor, and doing the work required for the complete construction and erection of a building to be known as the Model Rural School, Chico State Normal School, Chico, California, in accordance with the plans and specifications therefore, copies of which may be obtained on application to the State Department of Engineering, Sacramento, California.

Such bids will be received for the entire work, and must be submitted on forms prepared and furnished by the State Department of Engineering. Cash, a bidder's bond, or a certified check in the sum of ten per centum (10%) of the amount of the bid must accompany each bid.

A deposit of Ten (\$10.00) dollars will be required on plans and specifications, the deposit to be returned immediately on the return of the plans and specifications to the State Department of Engineering at Sacramento, California, in good condition.

The State Department of Engineering reserves the right to reject any and all bids and to waive any informality in any bid received.

All bids must be addressed to W. F. McClure, State Engineer, Sacramento, California, and plainly marked on the envelope: "Proposal for Model Rural School, Chico State Normal School, Chico, California."

(Signed) W. F. McCLURE,
State Engineer.

NOTICE TO CONTRACTORS.

OFFICE of Constructing Quartermaster, Fort Mason, Cal., April 19, 1915. Sealed proposals, in triplicate, for constructing a Storehouse for Combs and a Garage for Motor Ambulances at Letterman General Hospital, Presidio of San Francisco, Cal., will be received here until 11 A. M. May 19, 1915, and then opened. Plans, specifications, blanks and necessary information obtained here. Deposit of \$15.00 each required to insure return of plans, etc. Envelopes containing proposals to be enclosed in sealed envelopes and marked Lt. Col. Geo. McK. Williamson, Q. M. C.

NOTICE TO CONTRACTORS.

TREASURY DEPARTMENT, Superintending Architect's Office, Washington, D. C., April 1, 1915. SEALED PROPOSALS will be opened in this office at 3 P. M. May 13, 1915, for the construction complete (including mechanical equipment, interior lighting fixtures, and approaches) of the United States Post Office at Park City, Utah. One story and basement building ground area, 5,399 square feet. nonfireproof Architect.

NOTICE TO CONTRACTORS.

TREASURY DEPARTMENT, U. S. COAST GUARD, Washington, D. C., April 12, 1915. SEALED PROPOSALS will be received at this office until 2 o'clock P. M. of Wednesday, May 19, 1915, and then publicly opened, for the construction of a Coast Guard Station, Keeper's Quarters, and accessories, a bathroom, launchway, and jolly, on the south side of the channel, at Coos Bay, Oregon.

Specifications and drawings, form of proposal, etc., and full information can be obtained upon application to the Superintendent, 12th District, Coast Guard, San Francisco, California; the Commanding Officer, Northern Division, Pacific Coast, U. S. Coast Guard, Seattle, Washington; the Keeper, Coos Bay Coast Guard Station, Empire, Oregon; or to this office. E. P. BERTT, TOLE, Captain Commandant.

TO BE EXHIBITED IN THIS CITY.

Apparatus for Light Station For Cape St. Elias, Alaska, to be on Exhibition.

The light station for Cape St. Elias, Alaska, is to be located on the south end of Kayak Island, on a shelf about 50 feet above sea level. According to the plans the tower is square and supports a cast-iron watchroom and second order lantern whose focal plane is 19 feet above the base of the structure and 99 feet above sea level. The tower rises above the roof of the fog-signal building from one of its ends. On a terrace east and north of this building are located the cooling tanks for the engines, the fuel-oil and illuminating oil tanks, etc., the dwelling with quarters for three keepers (men only), and the boat and hoisting engine house, with inclined railway to the sea level. There is a system of roads, tracks, sewers, drains, etc., above the buildings, which are to be of reinforced concrete and hollow terra cotta tile where the latter is practicable. The illuminating apparatus has been ordered. It consists of a 3-mantle lamp in a third order, double flashing lens of 180,000 candlepower, and the range due to its elevation is 15½ nautical miles. The metal work for the watchroom and lantern is nearing completion at Kenton, Ohio, and will be exhibited at San Francisco, with the illuminating apparatus if practicable, about June 1. The fog signal will consist of a 6 inch automatic compressed air siren, in duplicate, each with a trumpet with a two way mouth. All this machinery has been ordered and will be exhibited at San Francisco. The detail drawings for the buildings are well under way and nearing completion. A construction party will start to work about May 7.

The characteristic of the light is a double white flash every 20 seconds. That of the fog signal is a double blast of 4 seconds each every minute.

ISLAND TO BE BUILT IN NEW YORK HARBOR.

Will Constitute One of the Greatest Terminals in the World.

NEW YORK. An island almost two miles long and about one half a mile wide will soon be built in New York harbor and the whole converted into the greatest shipping terminal in the world, if the plans of certain men in New York city go through. Twenty million dollars are said to be available to start work on this gigantic engineering feat, and the money, now reposing in the pockets of New York capitalists, will be ready when the preliminaries are completed. A bill has already been introduced in the legislature by which the land office commissioners are authorized to grant and convey to anyone as they see fit a strip of land almost two miles long, from a depth of from six to 22 feet under water. When the bill is passed and the governor signs it and the land commissioners convey the land to those interested, the \$20,000,000 will be loaned and the work of building the island will begin. Engineers and contractors will be called in and when the contracts are made a brick wall will be built on the edges of the shoal. With this completed, the actual work of filling in for the island will start. The construction of the island itself will be followed by the erection of warehouses and the laying of tracks for freight and passenger cars connecting with the giant piers where ocean steamships will dock. Of course all this is assuming that the bill will be passed, signed by the governor and that the land commissioners will act favorably on the application of the person or persons who will then appear as wanting to build the big island shipping terminal.

It will be interesting to see whether or not the "Times," which at one time fought Boss Tweed and Tammany will stand up and fight for its rights in the matter of theatrical criticism or whether journalism generally has degenerated into the lowest grade of commercial junk to be bought and paid for by the highest bidder.

According to a Russian observer the present war is likely to make cave dwellers of a large part of the population of Europe. The moving dangers of the air, the interminable roar of heavy artillery and the trench life of the soldier make it imperative that a large part of the time the people in the war zone must live in subterranean houses. The destruction of the monuments of architecture that have been centuries in the building will leave new cities to be built. But these can only be thought of after a permanent peace and so long as the war lasts Europe will have lapsed to the days of the cave man. The art of the builder and the engineer is now turned to devising ways and means of destroying what the other man has builded.

Imports of aluminum into the United States during the last half of 1914 totaled \$476,563, or \$123,217 less than in the like period of 1913. The receipts from Germany dropped from \$392,239 to \$222,275.

ADVANCE NEWS

Classified according to Location

SAN FRANCISCO.

RESIDENCE — 2 story and base, frame, \$3,000. San Francisco. Architect, none. Owner, Martin and Hans Nelson, 515 Dolores street, S. F. The dwelling will be erected on the east side of 18th avenue south of Geary street, and has been designed to contain six rooms and bath. Interior finish will be of pine and redwood with some elm panels. Hardwood floors will be used in the living room, dining room and reception hall. There will be an open fire place with tile or brick mantel. An automatic water heater is specified. Bath room will be finished in tile. Exterior of the dwelling will be covered with rustic and cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor.

RESIDENCE — 2 story and base, frame, \$6,000. San Francisco. Architect, none. Owner, James Welsh, 244 20th avenue, S. F. The dwelling has been designed for an eight-room house with two baths and sleeping porch, and will be erected on the east side of 10th avenue south of Anza. Interior finish will be of pine and hardwood with elm panels in the principal rooms. Bedrooms will be finished in white enamel. Hardwood floors will be used in the living room, dining room and reception hall. Plans provide for furnace, open fire places and hot water circulating system. Bath rooms will be finished in tile and equipped with high grade plumbing fixtures. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are complete and in the hands of the owner, who will do the work by Day Labor. Materials are now being purchased.

RESIDENCE — 2 story and base, frame, \$7,500. San Francisco. Architect, Charles J. Rousseau, 46 Kearny street, S. F. Owner, Mr. Fuller. The dwelling will be erected on Forest Hill, and has been designed to contain eight rooms, two baths and sleeping porch and a separate garage. Interior of the dwelling will be finished in southern gum, pine and white enamel. Hardwood floors will be used throughout the first story. Bath rooms will be finished in tile and equipped with high grade plumbing fixtures. There will be open fire places and tile mantels. A hot water system for heating will be installed. Vacuum cleaning is also specified. Exterior of the dwelling will be covered with cement plaster on metal lath and has been designed in the Tudor style. Plans are now being prepared and figures will be called for shortly.

RESIDENCE — 2 story and base, frame, \$5,000. San Francisco. Architect, Albert Farr, Foxcroft Bldg., S. F. Owner, William Little. The dwelling has been designed for a seven-room house with bath and sleeping porch, and will be erected on the east

side of 17th avenue north of Lake street. Interior will be finished in pine and redwood with some elm panels. Bed rooms will have white enamel finish. Hardwood floors will be used in the principal rooms. Plans provide for furnace heat and open fire places. Mantels will be of tile or brick. An automatic water heater is specified. Bath rooms will be finished in tile. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are now being prepared.

RESIDENCE — 2 story and base, frame, \$3,500. San Francisco. Architect, none. Owner, Allie B. Johnson, 1032 Balboa street, S. F. The dwelling has been designed for a six-room house with bath, and will be erected on the north side of Balboa street west of 11th avenue. Interior will be finished in pine with some elm panels. Bed rooms will be finished in white enamel. Hardwood floors will be used in the living room, dining room and reception hall. There will be open fire places and tile or brick mantels. Tile wainscot will be used in the bath room. An automatic water heater is specified. Exterior of the dwelling will be covered with cement plaster on metal lath. The work will be carried on under the superintendence of Otto F. Schiller, and will be done by Day Labor.

RESIDENCES—2, 2 story and base, frame, \$9,000 each. San Francisco. Architects, Falch & Knoll, Hearst Bldg., S. F. Owner, Eisenbach Co. These two dwellings have been mentioned here before and will be erected on Cherry street near Sacramento. Each of the houses has been designed to contain nine rooms, two baths and sleeping porch and private garage. Interior will be finished in southern gum, elm, pine and white enamel. Hardwood floors will be used in the living room, dining room, library and reception hall. There will be a central heating system probably furnace heat. Open fire places are also specified. Mantels will be of tile or brick. Bath rooms will be finished in tile. A hot water circulating system and vacuum cleaning will be installed. Exterior of the dwellings will be covered with cement plaster on metal lath. Plans are complete and in the hands of the owners who are now taking figures on the work.

RESIDENCE — 2 story and base, frame, \$3,600. San Francisco. Architect, none. Owner, Thomas Hamill, 268 25th avenue, S. F. The dwelling will be erected on the east side of 15th avenue south of Geary street, and has been designed for a six-room house with bath and sleeping porch. A garage will occupy the basement. Interior finish will be of pine and some elm panels. Hardwood floors will be used in the living room, dining room and reception hall. There will be a large open fire place in the living room. Mantel will be of tile or brick.

Bath room will be finished in tile. An automatic water heater is specified. Exterior of the dwelling will be covered with rustic. Plans are complete and in the hands of the owner who will do the work by Day Labor. Materials are now being purchased.

RESIDENCE — 2 story and base, frame, \$2,500. San Francisco. Architect, none. Owner, J. S. Purcell, 856 Presidio avenue, S. F. The dwelling will be erected on 16th avenue south of Balboa street, and has been designed for a five-room house with bath. A garage will occupy the basement. Interior finish will be of pine with elm panels in the dining room. Hardwood floors will be used in the living room, dining room and reception hall. There will be an open fire place with tile or brick mantel. Imitation tile wainscot will be used in the bath room and kitchen. An automatic water heater is specified. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor.

RESIDENCE — 2 story and base, frame, \$2,500. San Francisco. Architect, none. Owner, F. Nelson, 30 Presidio Terrace, S. F. The dwelling has been designed for a five-room house with bath and will be erected on the west side of 27th avenue south of Lincoln Way. Interior will be finished in pine and elm. Some hardwood floors will be used. There will be a large open fire place in the living room with a tile or brick mantel. Bath room will have tile wainscot. An automatic water heater is specified. Exterior of the dwelling will be covered with rustic and cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor. Materials are now being purchased.

CITY HALL HARDWARE—\$20,000. San Francisco. Architects, Bakewell & Brown, 251 Kearny street, S. F. Owners, City and County of San Francisco. Bids opened at the regular Wednesday afternoon session of the Board of Public Works for furnishing the finish hardware on the new City Hall show P. A. Smith low at \$17,125. He will probably be awarded the contract. Only two other bids were submitted. A complete list of the figures will be found under the heading of San Francisco in this issue.

RESIDENCE — 2 story and base, frame, \$2,500. San Francisco. Architect, O. E. Evans, 2861 Mission street, S. F. Owner, D. Condon, 4188 20th street. The building will be erected on the west side of 46th avenue south of Cabrillo, and has been designed for a five-room house with bath and sleeping porch. Interior will be finished in pine with some elm panels. Hardwood floors will be used in the living room, dining room and reception hall. There will be an open fire place with tile or brick mantel. Imitation tile wainscot

will be used in the bath room. An automatic water heater is specified. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor.

APARTMENT HOUSE—3 story and base, frame, \$35,000. San Francisco. Architect, Frederick H. Meyer, Bankers' Investment Bldg., S. F. Owner, L. E. W. Ploda, Merchants' National Bank Bldg., S. F. The building will be erected at the corner of Washington and Taylor streets and will cover a considerable ground area. There will be a number of two, three and four room suites, all of which will have private baths and wall beds. Inferior finish will be of pine with some elm panels. Hardwood floors will be used in the living rooms and dining rooms. Plans provide for steam heat and a hot water system. Bath rooms will be finished in tile. Dumb waiter is specified. Marble and tile wainscot will be used in the entrance vestibule. Exterior of the building will be covered with cement plaster on metal lath. Plans are now being prepared and figures will be called for within the next ten days or two weeks.

CEMENT FOR HARBOR BOARD—San Francisco. Engineer, Assistant State Engineer Newman, Ferry Bldg., S. F. Owners, State of California. The State Board of Harbor Commissioners is now calling for figures for furnishing the Board with a minimum of 30,000 barrels of cement per year. The contract is to be for one year with an option of two. Additional information can be secured from the State Board of Harbor Commissioners, Ferry Bldg., S. F.

FLATS—2 story and base, frame, \$5,000. San Francisco. Architect, none. Owner, O. E. Anderson, 207 10th avenue, S. F. The building will be erected on the north side of Clement street north of 16th avenue, having a frontage of 25 feet and a depth of 66 feet. The building has been designed to contain two modern flats of five and six rooms each. Interior will be finished in pine with some elm panels. Hardwood floors will be used in the living room, dining room and reception hall. There will be an open fire place in each living room. Mantels will be of tile or brick. Tile wainscot will be used in the bath rooms. Automatic water heaters will be installed. Exterior of the building will be covered with rustic and cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor.

FLATS—2 story and base, frame, \$3,000. San Francisco. Architect, none. Owner, Thomas F. Carson, 1527 Church street, S. F. The building will be erected on Mission street north of Persia, and has been designed for a store on the first floor and two flats on the upper floor. Interior finish will be of pine throughout. Some oak floors are specified. There will be an open fire place in each living room with tile mantel. Imitation tile wainscot will be used in the bath rooms. Exterior of the building will be covered with cement plaster on metal lath. Plans are now being prepared.

HOSPITAL—4 and 6 story and base, Class A construction, \$1,000,000. San

Francisco. Architect, Lewis P. Hobart, Crocker Bldg., S. F. Owners, Regents of the University of California. Architect Hobart has stated that plans for the excavating for the new hospital building to be erected by the University of California at the Affiliated Colleges in this city are complete and bids will be advertised for at once. Following the letting of a contract for this work, bids will be called for on the reinforced concrete foundation work and after that for the fireproofing. The contract for the structural steel has already been awarded to the U. S. Steel Products Co.

HOSPITAL—1 story and base, reinforced concrete, \$10,000. San Francisco. Architect, City Department of Architecture, Temporary City Hall, S. F. Owner, City and County of San Francisco. The Board of Public Works has allotted the sum of \$800 to the Department of Architecture to defray the expense of the preparation of plans and specifications for a nurses' home to be erected at the Relief Home Tract. No details of the work have been published. Further mention of the work will be made as the plans progress.

FREIGHT HOUSE AND PLATFORM \$5,000. San Francisco. Engineer's name not given. Owner, A. T. & S. F. R. R. Co., 3rd and Channel streets, S. F. Plans have been completed and the work is now underway for the construction of a large freight platform at the company's freight house on Kentucky street near Channel.

HEATING SYSTEM IN POST OFFICE—\$4,746. San Francisco. Engineer Assistant State Engineer Newman, Ferry Bldg., S. F. Owners, State of California. The lowest bid submitted at last Thursday's meeting of the State Board of Harbor Commissioners for installing a steam heating system in the Branch post office was by Carl T. Doell, 467 21st street, Oakland. Ten bids were submitted. A complete list of the figures will be found under the heading of San Francisco in this issue.

APARTMENT HOUSE ALTERATIONS—3 story and base, frame, \$5,000. San Francisco. Architect, O. E. Evans, 2638 Mission street, S. F. Owner, Mr. Powers. The building located on 26th street near Army will undergo alteration. Included in the work will be new interior trim, plumbing, painting and electric work. The exterior will also be altered and covered with cement plaster on metal lath. Plans are complete and figures are now being taken.

POWER HOUSE—1 story and base, reinforced concrete. Cost not stated. Fort Huachuca, Ariz. Engineer, Capt. E. L. Walton, Cons't. Q. M., Fort Huachuca. Owners, United States Government. Plans and specifications have been completed by Capt. E. L. Walton, Cons't. Quartermaster at Fort Huachuca, Ariz., for the construction of a concrete power plant, light plant and ice plant to be erected at the post. The specifications have been forwarded to the Cons't. Q. M. office at Fort Mason for printing, and figures will be called for not later than June 15th. Included in the work will be the following: Concrete power plant, concrete chimney, 10-ton crane, 3, 150-H. P. boilers, 2 120-H. P. Corless valve engines, 2 75-K. W., 3-phase, 60-cycle generators, 1-feed water heater, 2-

feed pumps, 2 circulating pumps, 1 switchboard, 1 15-ton ice machine, 1 5-ton ice machine, 2 150-H. P. Diesel oil engines, 2 condensers, 1 oil tank, oil burners, transformers, feed water heater, wiring, street lamps, meters, electric fixtures for about 40 buildings, pole line, switches. An official advertisement will appear in the Daily Pacific Builder when figures are called.

HOTEL—10 story and base. Class A construction. Cost not stated. San Francisco. Architects, Rousseau & Rousseau, 110 Sutter street, S. F. Owner's name withheld. The building will be erected in the down town district and has been designed for a high class commercial hotel. There will be stores on the first floor besides the hotel office and lobby. Upper floors will contain single rooms and baths. There will be a complete steel frame with exterior walls of pressed brick faced with terra cotta. Only preliminary plans have been prepared and details will be given later.

RESIDENCE—2 story and base, frame, \$4,000. San Francisco. Architect, none. Owners, Lyon & Hoag, 660 Market street. The dwelling will be erected on the west side of 33rd avenue south of Lincoln Way, and has been designed for a seven-room house with bath and sleeping porch. Interior will be finished in pine and hardwood with some white enamel. Hardwood floors will be used in the principal rooms. There will be furnace heat and open fire places. Mantels will be of tile or brick. Tile wainscot will be used in the bath room. An automatic water heater will be installed. Exterior of house will be covered with cement plaster on metal lath. Plans are complete and in the hands of the owners who will do the work by Day Labor. Materials are now being purchased.

RESIDENCE—2 story and base, frame, \$3,000. San Francisco. Architect, none. Owner, Emil Nelson, 244 Rivoli street, S. F. The dwelling will be erected on the west side of 36th avenue south of California, and has been designed for a seven-room house with bath and sleeping porch. Interior will be finished in pine and hardwood with white enamel in the bed rooms. There will be hardwood floors in the principal rooms. Plans provide for open fire places and tile or brick mantels. Bath room will have tile wainscot. An automatic water heater will be installed. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor.

STORES AND OFFICES—20 story and base. Class A construction, \$1,000,000. Salt Lake City, Utah. Architects, Parkinson & Bergstrom, Security Bldg., L. A. Owners, Deseret National Bank, Salt Lake City. Preliminary plans have been approved for the tallest commercial building yet erected in the Mountain States. The building will occupy a prominent corner of Salt Lake and will cover a large ground area. The entire first floor, a mezzanine and basement will be occupied by the bank. Upper floors will be arranged for offices. There will be a complete steel frame with exterior walls of concrete faced with pressed brick, granite and terra cotta. Fur-

ther details of the work will be given as the plans progress.

Contracts Awarded.

STORES AND OFFICES—2 story and base, reinforced concrete, \$75,000. Honolulu, Hawaii. Architect, H. Kerr, Honolulu. Owner, Mr. Wolters. Contractors, Freitas & Fernandez, Honolulu. Contract price, \$75,000.

CITY HALL GLASS AND GLAZING—\$29,000. San Francisco. Architects, Bakewell & Brown, 251 Kearny street, S. F. Owners, City and County of San Francisco. Contractor, W. P. Fuller & Co. Contract price, \$19,421, and the California Plate and Window Glass Co. Contract price, \$2,000.

City Bids Opened

Three Bids Only Received For City Hall Hardware. Contracts Awarded For Glass and Glazing.

Bids were opened by the Board of Public Works at the Wednesday afternoon session for furnishing hardware for the new City Hall. Only three sets of figures were received which were as follows:

Hardware, City Hall.

Yale & Towne.....	\$25,000
P. A. Smith.....	17,125
Joost Bros.	21,000

At the same meeting contracts were awarded for the glass and glazing for the City Hall. W. P. Fuller was awarded a contract at \$19,431 on Prop. No. 1 and the California Plate & Window Glass Co. was awarded a contract under Prop. No. 2 at \$2,000.

Bids were opened by the Board of Public Works for furnishing metal lockers in the Municipal Car Barns at 17th street. The Ralston Iron Works submitted the lowest bid at \$4.70 each and will be awarded the contract. The following bids were submitted:

Metal Lockers for Car Barns.

	Each
J. D. Barry	\$5.20
Pacific Building Materials Co....	6.00
C. F. Weber & Co.....	5.64
Ellery Arms Co.....	5.75
Capitol Sheet Metal Works.....	6.66
Ralston Iron Works.....	4.70
Van Dorn Iron Works.....	4.74
U. S. Metal Products Co.....	5.43

Roofing Contract Department Organized.

Pacific Refining and Roofing Company Establish a New Department.

Property owners and architects will welcome the announcement that the Pacific Refining and Roofing Co. have decided to enter in the business of laying roofs, of their own manufacture.

Before the fire this company laid many of the largest roofs in this State, but since that time their efforts have been confined to the manufacture of Argonaut Roofings, Rex Building Paper, W & P Asphalt Felt and Sheathing, Black Diamond, Emmonite and Plastic Slate Paints and Plasterite Damp-Proofing.

The Roofing Department will be under the direction of Mr. John Dee,

who is no stranger to the Building Interests of California.

Architects and owners know the advantage of dealing with a well established manufacturer, where a guarantee amounts to something.

Estimates cheerfully furnished. Telephone Market 390. Office and Factory, 16th and Texas Streets.

Building Contracts Awarded.

San Francisco

No.	Owner.	Contractor	Amt.
1169	Hanson	Palmer	32000
1230	Svgs Union	Garden	500
1231	Pemise	Montgomery	1000
1232	Pyle	Pyle	1000
1233	Wade	Wade	4900
1234	Magee	Magee	400
1235	Dairy Delivery	Owner	1600
1236	Turner	Perry	400
1237	Bevier	Bevier	1900
1238	City Invest	Lorenz	1000
1239	Peoples' Stlmt.	Callaghan	450
1240	Omen Oil	Arnold	400
1241	Herrold	Mitchell	650
1242	Heyman	Heyman	1950
1243	Heyman	Heyman	2250
1244	McElroy	McElroy	5800
1245	Elrman	Stockholm	19864
1246	Same	Standard Elec	1600
1247	Same	Rudgear	3200
1248	Marabotti	Marabotti	400
1249	Dannan	Dannan	700
1250	Young	Young	8000
1251	Newsom	Newsom	950
1252	Nelson	Nelson	400
1253	Babin	Babin	425
1254	Santoro	Santoro	700
1255	Kelly	Ellert	400
1256	Kelly	Ellert	400
1257	Associated Oil	Owner	500
1258	Rosenberg	Rosenberg	400
1259	Hippodrome	Brumfield	1000
1260	Carillon	Munster	400
1261	Peacock	Brumfield	450
1262	Hippodrome	Brumfield	1000
1263	Marker	Marker	2350
1264	Johnson	Johnson	3500
1265	Welsh	Welsh	6000
1266	Anderson	Anderson	5000
1267	Stoff	Fennell	2945
1268	Ziesler	S F Bldg	1100
1269	Terminal Inv	W'n Cor	1248
1270	Same	Holm	1925
1271	Santa Marina	McGuigan	425
1272	Bruener	Welsh	425
1273	Raphael	Stinges	400
1274	K of C	Kraemer	400
1275	Galeata	Pera	400
1276	Peysor	Leonard	400
1277	Hale	Weir	1980
1278	Foster	Kleiser	1000
1279	Filippo	Shannon	1200
1280	Dickson	Callaghan	2475
1281	Silvestri	Maffei	3900
1282	Saracco	De Benedetti	11550
1283	Besozzi	Montgomery	5896
1284	McKillop	Korell	2284
1285	Same	S F Iron	400
1286	Rinaldi	Chase	6290
1287	Del Bene	Cuneo	2150
1288	Heine	Lee	5000
1289	Heine	Lee	4000
1290	Thompson	Plant	2000
1291	Cuicich	Stojis	1750
1292	Schneider	McMullin	2000
1293	Kergan	Born	4600
1294	Parrott	Brady	12000
1295	Kelly	Stahl	8500
1296	Hynes	Grant	1600
1297	Johnson	Johnson	6000
1298	Ferreiros	New Era	1800
1299	Samuelson	Person	1350
1300	Flores	Costanza	1400
1301	Smith	Barz	1190
1302	Dehal	Perazzi	7780
1303	O'Connell	Heaphy	2757
1304	Hoffmann	MacArthur	2750
1305	Suhr	Ostlund	14200
1306	Radivoj	Stevenson	1400
1307	Reagers	Perry	7500
1308	Reagers	Daniel	500
1309	Cabanne	Ponsero	2100
1310	Lewis	Ronda	14100
1311	McKenna	Baker	3000

REPAIRS

(1230)	NW GRANT AVE & O'FAR-
	rell. Repair floor, cement.
Owner.....	Savings Union Bank &
	Trust Co., Premises.
Architect...None.	

Contractor...Frank M. Garden & Co.,
251 Kearny, S. F.

COST, \$500

FIN SH ROOMS

(1230) NO. 1303 SAN JOSE AVE.

Finish four rooms.

Owner.....Joe Pemise, Premises.

Architect...None.

Contractor...Montgomery Bros., 727

Courtland Ave., S. F.

COST, \$1000

FRAME DWELLING

(1230) W FLORA 275 S Bay View.

One-story and basement frame dwlg.

Owner.....Chas. O. Pyle, 56 Flora,

San Francisco.

Architect...None.

Day's work. COST, \$1000

FRAME RESIDENCE

(1233) E PACHECO 215 E Alton, For-

est Hill. Two-story and basement

frame residence.

Owner.....J. Holmes Wade, Crocker

Bldg., San Francisco.

Architect...None.

Day's work. COST, \$4900

FRAME DWELLING

(1234) SE COTTER & SPRINGDALE.

One-story and basement frame dwlg.

Owner.....S. D. Magee, Burlingame,

California.

Architect...None.

Day's work. COST, \$400

ALTERATIONS

(1235) NO. 3550 NINETEENTH. Alter

partitions.

Owner.....Dairy Delivery Co., Prem.

Architect...C. F. Wieland, 703 Market,

San Francisco.

Day's work. COST, \$1600

INSTALL LAVATORY

(1236) NO. 70 EDDY. Install lavatory

Owner.....Turner & Dahnken, Prem.

Architect...None.

Contractor...Chas. Perry, 1672 Ellis,

San Francisco.

COST, \$400

FRAME DWELLING

(1237) W CORDOVA 102 N Athens.

One and one-half-story and base-

ment frame dwelling.

Owner.....C. D. Bevier, 1629 Mc-

Allister, San Francisco.

Architect...None.

Days work. COST, \$1900

ALTERATIONS

(1238) NO. 1007 MARKET. Extend

front and minor alterations.

Owner.....City Investment Co.

Architect...None.

Contractor...F. A. Lorenz, 464 Jessie,

San Francisco.

COST, \$1000

ADDITION

(1239) S CHESTNUT 200 E Dupont.

Raise and add to home.

Owner.....People' Settlement Com-

mittee.

Architect...None

Contractor...Callaghan Bros., 900 Clay-

ton, San Francisco.

COST, \$450

W. R. BRODE, Pres. LOUIS R. HOLM, Sec. R. J. BRODE, Vice-Pres.

BRODE IRON WORKSEstablished 1886---Incorporated 1913
Tel. Kearny 2464.

Fabricators and Contractors of Structural Steel and Ornamental Iron Work

Office & Works: 31-37 Hawthorne St., bet. Howard & Folsom Sts., San Francisco, Cal.

STEEL STATION(1240) NE GOLDEN GATE AND POLK
One-story steel station.

Owner.....Omen Oil Co.

Architect...O'Brien Bros., Clunie
Bldg., San Francisco.Contractor..H. W. Arnold, 4020 19th,
San Francisco.

COST, \$400

FRAME STABLE(1241) E ADAM 50 E Army. Two-
story frame stable.

Owner.....Chas. Herrold, Premises.

Architect...None.

Contractor..Thos. F. Mitchell, 1370
Utah, San Francisco.

COST, \$650

FRAME DWELLING(1242) W FORTIETH AVE 25 S Ca-
brillo. One and one-half-story and
basement frame dwelling.Owner.....Oscar Heyman & Bro., 742
Market, San Francisco.

Architect...None.

Day's work. COST, \$1950

FRAME DWELLING(1243) E THIRTY-FOURTH AVE 250
N Fulton. One and one-half-story
and basement frame dwelling.Owner.....Oscar Heyman & Bro., 742
Market, San Francisco.

Architect...None.

Day's work. COST, \$2250

BRICK GARAGE(1244) S NATOMA 160 W First. One
story brick public garage.Owner.....John J. McElroy, 1637
Golden Gate Ave., S. F.

Architect...None.

Day's work. COST, \$5500

RESIDENCE(1245) NO. 2970 BROADWAY. Rough
and finish carpenter work for resi-
dence.Owner.....Sidney M. Ehrman, Nevada
Bank Bldg., S. F.Architect...Lewis P. Crocker Bldg.,
San Francisco.Contractor..Stockholm & Allyn, Mo-
nadnock Bldg., S. F.Filed Apr. 24, '15. Dated Apr. 14, '15.
On 15th of each month..... 75%

Usual 35 days..... 25%

TOTAL COST, \$19,684

Bond, \$11,000. Surety, The Aetna Ac-
cident & Liability Co. Limit, Nov 1.
Forfeit, none. Plans and specifications
filed.(1246) COMPLETE SYSTEM OF CON-
duit and wiring for electric lighting,
etc., on above.Contractor..The Standard Electrical
Constr. Co., 60 Natoma,
San Francisco.Filed Apr. 24, '15. Dated Apr. 16, '15.
Payments same as above.....

TOTAL COST, \$1600

Bond, \$800. Surety, United States Fi-

delity & Guaranty Co. Limit, Nov. 1,
1915. Forfeit, none. Specifications
only filed.(1247) ORNAMENTAL IRON AND
steel work on above.Contractor..Rudgear Merle Co., Bay &
Stockton, San Francisco.Filed Apr. 24, '15. Dated Apr. 12, '15.
Payments same as above.....

TOTAL COST, \$3200

Bond, none. Limit, Oct. 15, 1915. For-
feit, none. Specifications only filed.**ALTERATIONS**(1248) NO. 140 LOBOS. Alter dwlg.
Owner.....D. Marabotti, Premises.

Architect...None.

Day's work. COST, \$400

ADDITION(1249) NO. 2192 LOMBARD. Add one
story to dwelling.Owner.....Fred Danman, 643 Lom-
bard, San Francisco

Architect...None.

Day's work. COST, \$700

FRAME FLATS(1250) E DIVISADERO 75 N Fell.
Three-story and basement frame (6)
flats.Owner.....Edw. E. Young, 251 Kear-
ny, San Francisco.Architect...E. E. Young, 251 Kearny,
San Francisco.

Day's work. COST, \$8000

(1251) E COLERIDGE 100 S Fair.
One-story frame dwelling.Owner.....Mrs. A. Newsom, SE 25th
and Folsom, San Francisco.

Architect...None.

Contractor..Wm. A. Newsom, SE 25th
and Folsom, San Francisco.

COST, \$950

ALTERATIONS(1252) NO. 767 SAN BRUNO. Alter
and add to dwelling.

Owner.....John Nelson, Premises.

Architect...None.

Day's work. COST, \$400

REPAIRS(1253) NO. 637 JACKSON. Repair fire
damage.Owner.....L. C. Babin Co., 423 Kear-
ny, San Francisco.

Architect...None.

Day's work. COST, \$425

FRAME DWELLING(1254) N FARRALLONE 220 W San
Jose Ave. One-story and basement
frame dwelling.Owner.....Nicola Santoro, 2730 San
Jose Ave., San Francisco.

Architect...None.

Day's work. COST, \$700

BILL BOARD(1255) SE NINTH AND MISSION.
Erect bill board.**Nearest to
Everything****POWELL ST. AT O'FARRELL**Best located and most popular
hotel in the City; circulating
ice water in every room.**Special attention to
ladies travelling alone.**Excellent, reasonable priced
grill. Meet your friends at
the Manx

European Plan Rates \$1.50 up.

Management.

Chester W. Kelley

Owner.....L. A. Kelly Co., Hobart
Bldg., San Francisco.

Architect...None.

Contractor..Ellert & Stevenson, Me-
chanics Bldg., S. F.

COST, \$400

BILL BOARD(1256) SE EDDY AND LARKIN.
Erect bill board.Owner.....L. A. Kelly Co., Hobart
Bldg., San Francisco.

Architect...None.

Contractor..Ellert & Stevenson, Me-
chanics Bldg., S. F.

COST, \$400

SUPPLY STATION(1257) SE JUNIPERO SERRA AND
Ocean. One-story steel supply stationOwner.....Associated Oil Co., 317
Sharon Bldg., S. F.

Architect...None.

Day's work. COST, \$500

ADDITION(1258) NO. 1254 KANSAS. Add one
room and new T and G roof.

Owner.....E. Rosenberg, Premises.

Architect...None.

Day's work. COST, \$400

ELECTRIC SIGNS(1259) NO. 160 O'FARRELL Erect 5
electric signs.Owner.....Hippodrome Theatre of
California, Humboldt Bank
Bldg., San Francisco.

Architect...None.

Contractor..Brumfield Elec. Sign Co.,
18 7th, San Francisco.

COST, \$1000

FRAME GARAGE

(1260) NO. 57 COLLINGWOOD. One-story frame garage.
Owner.....Chas. Carillon, 4075 17th, San Francisco.
Architect...None.
Contractor...Munster & Bornholdt, 1530 Broderick, S. F.
COST, \$400

ELECTRIC SIGN

(1261) NO. 1201 VAN NESS AVE. Electric sign.
Owner...Peacock Motor Sales Co., Premises.
Architect...None.
Contractor...Brumfield Elec. Sign Co., 18 7th, San Francisco.
COST, \$450

ELECTRIC SIGN

(1262) NO. 160 O'FARRELL. Electric sign.
Owner...Hippodrome Theatre of California, Humboldt Bank Bldg., San Francisco.
Architect...None.
Contractor...Brumfield Elec. Sign Co., 18 7th, San Francisco.
COST, \$1000

ADDITION

(1263) SE JACKSON AND WEBSTER. Additions to frame flats. Rustic and plaster exterior and patent chimneys etc.
Owner.....C. and H. Marker, 232 6th, San Francisco.
Architect...None.
Day's work. COST, \$2350

FRAME DWELLING

(1264) N BALBOA 82-6 W 11th Ave. Two-story and basement frame dwlg.
Owner.....Allie B. Johnson, 1032 Balboa, San Francisco.
Architect...None.
Day's work. COST, \$3500

FRAME RESIDENCE

(1265) E TENTH AVE 37 S Anza. Two story and basement frame residence.
Owner.....James Welsh, 244 20th Ave. San Francisco.
Architect...None.
Day's work. COST, \$6000

FRAME FLATS

(1266) N CLEMENT 25 E 16th Ave. Two-story and basement frame (2) flats.
Owner.....O. E. Anderson, 207 10th Ave., San Francisco.
Architect...None.
Day's work. COST, \$5000

BRICK WORK

(1267) S BUSH 137-6 W Leavenworth W 27-6xS 137-6. Brick work for four-story and basement Class "C" apartment building.
Owner.....Louis D. Stoff, 217 Montgomery, San Francisco.
Architect...Albert Schroeffer, 68 Post, San Francisco.
Contractor...Jas. S. Fennell, 180 Jessie, San Francisco.
Filed Apr. 26, '15. Dated Apr. 23, '15.
When up to 3rd floor joists....\$1100
Completed and accepted..... 1100
Usual 35 days..... 745
TOTAL COST, \$2945
Bond, \$1500. Sureties, D. J. Sullivan and H. C. Matthies. Limit, 60 days.

Forfeit, none. Plans and specifications filed.

FRAME COTTAGE

(1268) N GEARY 80-4 W Blake 25x100 All work for one-story and basement frame cottage.
Owner.....George and Amelia Ziegler 8 Le Roy Place, S. F.
Architect...None.
Contractor...San Francisco Bldg. Co., 45 Kearny, San Francisco.
Filed Apr. 26, '15. Dated Apr. 21, '15.
Frame up\$275
Brown coated 275
Completed and accepted.....275
Usual 35 days..... 275
TOTAL COST, \$1100
Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications filed.

SHEET METAL WORK

(1269) S SACRAMENTO 137-6 E Drumm E 108-8½ S 67-5 W 14-10 S 24-3 W 93-10½ N 91-8. Sheet metal work for two-story and basement Class "C" garage building.
Owner.....The Terminal Investment Company.
Architect...Chas. E. Gottschalk, Phelan Bldg., San Francisco.
Contractor...Jas. T. Conway (as The Western Furnace & Cornice), 1645 Howard, S. F.
Filed Apr. 26, '15. Dated Apr. 22, '15.
On 1st and 15th of each month 75%
Usual 35 days..... 25%
TOTAL COST, \$1248
Bond, \$624. Surety, Fidelity & Deposit Co. of Maryland. Limit, 10 days after structural concrete done. Forfeit, none. Plans and specifications filed.

(1270) CARPENTER, MILL, ROUGH & finish hardware, steel and iron for roof, etc., on above.
Contractor...Louis R. Holm Co., 68 Post, San Francisco.

Filed Apr. 26, '15. Dated Apr. 22, '15.
Payments same as above.....
TOTAL COST, \$1925
Bond, \$963. Sureties, C. Knickerbocker and Chas. Laufer. Limit, 15 days after completion of structural concrete. Forfeit, none. Plans and specifications filed.

ALTERATIONS

(1271) NO. 112 MARKET. Remove old and replace new sidewalk lights.
Owner.....Santa Marina Co., 534 Pine, San Francisco.
Architect...None.
Contractor...John McGuigan & Co., 144 Stillman, San Francisco.
COST, \$425

BRICK VAULT

(1272) NO. 281 GEARY. Construct brick vault.
Owner.....John Breuner, Premises.
Architect...None.
Contractor...P. Welsh, 617 Ellis, S. F.
COST, \$425

ALTERATIONS

(1273) NO. 33 FIFTH AVE. Alter basement for garage.
Owner.....Sam Raphael, Premises.
Architect...None.
Contractor...Benj. Stinges, 3931 Geary, San Francisco.
COST, \$400

ALTERATIONS

(1274) NO. 1428 GOLDEN GATE AVE. Alter partitions.
Owner.....Knights of Columbus, No. 880, Premises.
Architect...None.
Contractor...Adam J. Kraemer, 1360 Ashbury, San Francisco.
COST, \$400

ALTERATIONS

(1275) S NINETEENTH 76 E Hampshire. Alter and add to dwelling.
Owner.....Joseph Galeata, 119 30th, San Francisco.
Architect...None.
Contractor...V. Pera, 3214 Buchanan, San Francisco.
COST, \$400

ALTER CAFE

(1276) NW SLOAT BOULEVARD & Great Highway. Alter interior of cafe.
Owner.....Peyser & Jones, Premises.
Architect...None.
Contractor...Peter M. Leonard, 1247 45th Ave., S. F.
COST, \$400

FRAME STORE

(1277) SE TARAVAL AND TWENTY-fourth Ave. One-story frame store.
Owner.....H. H. Hale, 1393 Post, San Francisco.
Architect...None.
Contractor...John M. Weir, 2619 Pine, San Francisco.
COST, \$1980

ELECTRIC SIGN

(1278) VAN NESS AVE opp Zone entrance. Electric sign.
Owner.....Foster & Kleiser of California, San Francisco.
Architect...None.
Day's work. COST, \$1000

FRAME STORE AND FACTORY

(1279) NW LENA & YOSEMITE. Two story frame store and factory.
Owner.....P. Filippo, 7 Aladin Terrace, San Francisco.
Architect...Fred Reinhardt, 2156 Filbert, San Francisco.
Contractor...T. L. Sharman, 1440 Shaftner Ave., San Francisco.
COST, \$1200

FRAME RESIDENCE

(1280) E PARKER AVE 450 N Geary N 25 —. All work except cement and concrete work for two-story and basement frame residence.
Owner.....Mrs. J. J. Dickson and J. J. Dickson, 27 Boyce, S. F.
Architect...None.
Contractor...Callaghan Bros., 900 Clayton, San Francisco.

Filed Apr. 27, '15. Dated Apr. 24, '15.
Frame up\$600
Brown coated 600
Completed and accepted..... 775
Usual 35 days..... 500
TOTAL COST, \$2475
Bond, none. Limit, 65 days after Apr. 27. Forfeit, none. Plans and specifications filed.

FRAME STORE AND FLATS

(1281) S CALIFORNIA 82-6 W 26th Ave 25x100. All work for two-story and basement frame store and flat.
Owner.....Domenico and Giorgina Silvestri, 3274 Sacramento, San Francisco.
Architect...None.

Contractor..Paul Maffei, 2224 Filbert, San Francisco.

FRiled Apr. 27, '15. Dated Apr. 19, '15.
Frame up and roof on.....\$975
1st coat plaster on..... 975
Completed and accepted..... 975
Usual 35 days..... 975

TOTAL COST, \$3900

Bond, \$1950. Surety, Nick Capurro.
Limit, 90 days. Forfeit, none. Plans and specifications filed.

FRAME STORE AND APARTMENTS
(1282) NE FILBERT AND STOCKTON N 30xE 70-6. All work for three-story and basement frame store and apartments.

Owner.....Ambrogio Soracco and Giovanni Molinori, 1544 Grant Ave., San Francisco.

Architect...Chas. Fantoni, 916 Kearny, San Francisco.

Contractor..A. De Benedetti & G. Cuneo, 20 Cotter, S. F.

Filed Apr. 27, '15. Dated Apr. 10, '15.
Building roughed\$2875.50
Brown coated 2875.50
Completed and accepted.... 2875.50
Usual 35 days..... 2875.50

TOTAL COST, \$11,550.00

Bond, \$5775. Sureties, Giovanni Gnecco and Via Horio Traverso. Limit, 110 days. Forfeit, \$5. Plans and specifications filed.

FRAME FLATS
(1283) S GREEN 112-6 W Hyde W 25 xS 137-6. All work except painting, plumbing, excavation, concrete and cement work, chandeliers and shades for three-story and basement frame flats.

Owner.....Enrico Besozzi, 73 Sutter, San Francisco.

Architect...J. A. Porporato, 619 Washington, San Francisco.

Contractor..E. J. Montgomery, 1318 Broadway, San Francisco.

Filed Apr. 27, '15. Dated Apr. 22, '15.
Rough frame up.....\$1000
Brown coated 1300
Completed and accepted..... 1592
Usual 35 days..... 2000

TOTAL COST, \$5892

Bond, \$5892. Surety, Chas. Schlesinger and Jno. H. Brickwedel. Limit, 90 days Forfeit, \$3. Plans and specifications filed.

BRICK BUILDING
(1284) N MISSION 25 W Mint Ave. Sheet metal work for five-story brick building.

Owner.....McKillop Bros., Inc., 540 Cole, San Francisco.

Architect...None.

Contractor..J. A. Korell & Co., 777 Ellis, San Francisco.

Filed Apr. 27, '15. Dated Mar. 16, '15.
As work progresses..... 75%
Usual 35 days.....Balance

TOTAL COST, \$2284

Bond, \$1000. Surety, Pacific Coast Casualty Co. Limit, as soon as possible. Forfeit, none. Plans and specifications filed.

(1285) TWO FIRE ESCAPES AND 1-6 inch channel iron marquise frame on above.

Contractor..San Francisco Iron Works, Inc., 35 Shotwell, S. F.

Filed Apr. 27, '15. Dated Mar. 26, '15.
Usual 35 days.....\$400

TOTAL COST, \$400

Bond, \$400. Surety, Wm. P. Stoesser.

Limit, forfeit, none. Plans and specifications filed.

FRAME FLATS AND STORES
(1286) W SCOTT 63 N Turk N 24-10x 50. All work for three-story frame flats and stores.

Owner.....Guisseppi and Louisa Rinaldi, Turk & Scott, S. F.

Architect...None.

Contractor..John G. Chase Jr., 463 31st Ave., San Francisco.

Filed Apr. 27, '15. Dated Apr. 22, '15.

Frame up and completed....\$1172.50
Brown coated 1172.50
Finish coat plaster on..... 1172.50
Completed and accepted..... 1172.50
Usual 35 days..... 1600.00

TOTAL COST, \$6290.00

Bond, \$3145. Surety, Aetna Accident & Liability Co. Limit, Aug. 25, 1915. Forfeit, none. Plans and specifications filed.

FRAME DWELLING

(1287) LOT 44 BLK 2 Fair's Sbdvn Holly Park Tract, being S Santa Marina 150 W Elsie. All work for one and one-half-story frame dwlg.

Owner.....Guisseppi Del Bene, 727 San Jose Ave., San Francisco.

Architect...None.

Contractor..Jos. Cuneo and Edgar P. Burman, 7 Pierce, S. F.

Filed Apr. 28, '15. Dated Apr. 22, '15.
Frame up\$537.50
Brown coated 537.50
Completed 537.50
Usual 35 days..... 537.50

TOTAL COST, \$2150.00

Bond, none. Limit, 60 days. Forfeit, none. Plans and specifications filed.

FRAME DWELLING

(1288) NW MASONIC & CONGRESS. Two-story and basement frame dwlg.

Owner.....F. Heine, 1180 Stanyan, San Francisco.

Architect...None.

Contractor..Louis Lee, 1420 Hyde, S. F. COST, \$5000

FRAME DWELLING

(1289) W MASONIC 65 N Congress. Two-story and basement frame dwlg.

Owner.....F. Heine, 1180 Stanyan, San Francisco.

Architect...None.

Contractor..Louis Lee, 1420 Hyde, S. F. COST, \$4000

FRAME DWELLING

(1290) NW GRAND VIEW & GOLDING Alley. One-story and basement frame dwelling.

Owner.....B. Thompson, 4298 24th, San Francisco.

Architect...None.

Contractor..Wm Plant, 4296 24th, S. F. COST, \$2000

FRAME BOARDING HOUSE

(1291) S LELAND 105-11 W Desmond. Two-story frame boarding house

Owner.....Luka Cuicich 97 Leland Ave., San Francisco.

Architect...A. J. Barnett, 114 Faith, San Francisco.

Contractor..Mike Stojis, 97 Leland Ave., San Francisco. COST, \$1750

FRAME DWELLING

(1292) N SEVILLE 242 E Naples being Lot 18, Crocker Amazon Tract. One and one-half-story and basement frame dwelling

Owner.....Leon Schneider, 526 Crocker Bldg., San Francisco.

Architect...None.

Contractor..McMullin - Von Voorhies Co., 110 Jessie S. F. COST, \$2000

FRAME RESIDENCE

(1293) W TWENTY-SIXTH AVE 325 N Lake. Two-story and basement frame residence.

Owner.....Nina M. Kergan, 660 Market, San Francisco.

Architect...Edw G. Bolles, 660 Market, San Francisco.

Contractor..S. A. Born Bldg. Co., 660 Market, San Francisco. COST, \$4600

ALTERATIONS

(1294) NW CALIFORNIA & DAVIS. Build brick walls in front of present stud walls, remove old roof and substitute a five ply felt and gravel roof

Owner.....Parrott Investment Co., California and Montgomery San Francisco.

Architect...Morris M. Bruce, Flood Bldg., San Francisco.

Contractor..M. V. Brady, Monadnock Bldg., San Francisco. COST, \$13,000

ALTERATIONS

(1295) SE DIVISADERO & WASHINGTON. Alterations and additions so as to make building contain nine apartment flats.

Owner.....M. J. Kelly, 367 5th, S. F.

Architect...None.

Contractor..J. J. Stahl, 666 8th Ave., San Francisco. COST, \$3500

FRAME DWELLING

(1296) SE COTTER 225 E Mission. One and one-half-story and basement frame dwelling.

Owner.....J. D. Hynes, 550 Page and J. C. Grant, 646 Edinburgh, San Francisco.

Architect...None.

Contractor..J. C. Grant, 646 Edinburgh, San Francisco. COST, \$1600

ALTERATIONS

(1297) SW GROVE AND LAGUNA. Cement floor and build stalls for market purposes and veneer first story exterior with brick.

Owner.....A. S. Johnson, 2187 Fillmore, San Francisco.

Architect...W. E. Whalin, 2187 Fillmore, San Francisco.

Day's work. COST, \$6000

FRAME DWELLING

(1298) SE PARIS 125 SW Excelsior. One-story and basement frame dwlg.

Owner.....L. Ferreiros, 3289 Mission, San Francisco.

Architect...None.

Contractor..New Era Bldg. Co., 3289 Mission, San Francisco. COST, \$1800

FRAME DWELLING

(1299) SW WATT 213 NW Brunswick. One-story and basement frame dwlg.

Owner.....A. M. Samuelson, 3732 21st, San Francisco.

Architect...None.

Contractor..Martin Person, 78 Ney, San Francisco. COST, \$1350

FRAME DWELLING

(1300) N YOSEMITE 150 W Lane.
One-story and basement frame dwlg.
Owner.....Luigi Flores, 862-A Lombard, San Francisco.
Architect...None.
Contractor...R. Castanza, 2 Aladin Terrace, San Francisco.
COST, \$1400

ALTERATIONS

(1301) E POWELL 85 S Geary. Alter lobby of hotel.
Owner.....Smith & Mix, Stratford Hotel, San Francisco.
Architect...None.
Contractor...A. W. Barz, 1949 Hayes, San Francisco.
COST, \$1190

BRICK AND STEEL FRAME BLDG.

(1302) S TWELFTH AND MARKET SW 25-11 SE 90 SW 50 SE 75 NE 75-11 NW 165. Plumbing and gas fitting for five-story brick and steel frame building.
Owner.....I. I. Dehall.
Architect...W. H. Crim Jr., 425 Kearny, San Francisco.
Contractor...H. J. Perazzi, 2237 Leavenworth, San Francisco.
Filed Apr. 29, '15. Dated Apr. 6, '15.
On 1st and 15th of each month 75%
Usual 35 days..... 25%
TOTAL COST, \$7780
Bond, \$3900. Sureties, Chas. Lauffer and R. W. Kinney. Limit, as required. Forfeit, \$25. Plans and specifications filed.

FRAME RESIDENCE

(1303) E FORTIETH AVE 175 S Balboa S 28-6xE 120. All work for two-story and basement frame residence.
Owner.....Thos J. O'Connell, Cupertino, California.
Architect...Falch & Knoll, Hearst Bldg., San Francisco.
Contractor...J. J. Heaphy, 1721 Lombard, San Francisco.
Filed Apr. 29, '15. Dated Apr. 19, '15.
Frame up and roof boards on...\$689
Brown coated 689
Completed and accepted..... 689
Usual 35 days..... 690
TOTAL COST, \$2757
Bond, \$1378.50. Surety, Casualty Co. of America. Limit, 75 days. Forfeit, none. Plans and specifications filed.

FRAME RESIDENCE

(1304) E TENTH AVE 175 N "C." All work for two-story frame residence.
Owner.....Marie Hoffmann, 860, Broderick, San Francisco.
Architect...Plans by Contractor.
Contractor...H. E. and T. W. MacArthur 1560 Fell, San Francisco.
Filed Apr. 29, '15. Dated Apr. 14, '15.
Frame up and roof boards on...\$687.50
Brown coated 687.50
Completed and accepted..... 687.50
Usual 35 days..... 687.50
TOTAL COST, \$2750.00
Bond, \$1375. Surety, Pacific Coast Casualty Co. Limit, 60 days after April 15, 1915. Forfeit, none. Plans and specifications filed.

ALTERATIONS

(1305) NO. 30 MASON AND NO. 938 Market. Alterations to exterior and interior and all fixtures to be installed in 1st floor and basement adj Bank of Italy. (Dairy Lunch).
Owner.....John C. Suhr, 723 Market, San Francisco.

Designer...Ostlund & Johnson, 1901-5 Bryant, San Francisco.
Contractor...Ostlund & Johnson, 1901 Bryant, San Francisco.
Filed Apr. 29, '15. Dated Apr. 20, '15.
On 1st and 15th of each month 75%
Usual 35 days..... 25%
TOTAL COST, \$14,200

Bond, none. Limit, 36 days from receipt of building permit. Forfeit, \$100. Bonus, \$100. Plans and specifications filed.

(1306) S RUSSIA AVE, 25 W Moscow, W 25xS 100. All work for one-story and basement frame cottage.
Owner.....A. Radivoj, 165 Cook, S. F.
Designers...Stevenson & Gowan, 136 Girard, San Francisco.
Contractor...Stevenson & Gowan, 136 Girard, San Francisco.
Filed, April 29, '15. Dated, April 27, '15.
Frame up\$360.00
Brown coated 333.33
Completed 333.33
Usual 35 days 333.33
TOTAL COST, \$1400

Bond, Sureties, Forfeit, none. Limit, 90 days. Plans and specifications filed.

(1307) S FOURTEENTH, 255 W Sanchez, W 25xS 115. All work of carpentry, concrete, plaster, painting, plumbing, gas fixtures, shades, glass, roof, mantels, hardware, for three-story frame building (flats.)
Owner.....M. J. Rogers, 700 14th, San Francisco.
Architect.....None.
Contractor...A. Petry, 336 Pierce, S. F.
Filed, April 30, '15. Dated, April —, '15.
Frame up and roughly enclosed...\$1875
1st coat of plaster on..... 1875
Completed 1875
Usual 35 days 1875
TOTAL COST, \$7500

Bond, \$3750. Sureties, Phil Wesendunk and H. A. Norman. Forfeit, \$1. Limit, 100 days. Plans and specifications filed.

(Correction in Location)

(1308) IN REAR 931 DOLORES. All work except painting for a one-story frame building. (Garage.)
Owner.....A. Landa.
Architect.....Lewis M. Gardner, Phelan Building, S. F.
Contractor...W. H. Daniel, 1442 Dolores, S. F.
Filed Apr. 30, '15. Dated Apr. 30, '15.
Roof completed 187.50
Completed and accepted 187.50
Usual 35 days 125.00
TOTAL COST, \$500

Bond, Sureties, Forfeit, none. Limit, 30 days. Plans and specifications filed.

ALTERATIONS

(1309) W BRYANT 200 S 19th S 25x W 100. Alterations and additions to building and stable.
Owner.....Louis Cabanne.
Architect...A. L. Lapachet, 110 Sutter San Francisco.
Contractor...Jean Ponsero.
Filed Apr. 30, '15. Dated Apr. 29, '15.
Frame of building and stable up and roofs on.....\$525
Concrete floors and runways laid plaster done and rough plumbing done 525
Completed and accepted..... 525
36 days after..... 525
TOTAL COST, \$2100
Bond, \$1050. Surety, Pacific Coast Casualty Co. Limit, 40 days. Forfeit, \$10. Plans and specifications filed.

CLASS "C" CONCRETE BUILDING

(1310) SE COLUMBUS AVE AND Chestnut. All work for three-story and basement Class "C" concrete building for manufacture and storage of food products.
Owner.....Lewis Packing Co.
Architect...D. D. Kearns, 251 Kearny San Francisco.

Contractor...Rouda & Spivock.
Filed Apr. 30, '15. Dated Apr. 28, '15.
Signing of plans, contract and specifications\$ 200
1st floor joists set in place.... 3300
2nd floor joists set in place.... 2360
3rd floor joists set in place.... 2360
Completed 2355
Usual 35 days..... 3525
TOTAL COST, \$14,100

Bond, \$7050 Surety, Massachusetts Bonding & Insurance Co. Limit, 60-100 days (as filed). Forfeit, none. Plans and specifications filed.

FRAME FLATS

(1311) W TENTH AVE 255-9 S Balboa S 25xW 120. All work for two-story and basement frame flats.
Owner.....Johanna McKenna, rear of Premises.
Architect...None.
Contractor...J. H. Baker, 335 22nd Ave., San Francisco.
Foundation in\$700
Roof on 700
Plastering finished 700
Usual 35 days..... 900
TOTAL COST, \$3060

Bond, \$1500. Sureties, Margaret Manning and Isabel M Baker. Limit, 70 days. Forfeit, none. Plans and specifications filed.

LEASES.

Apr. 29, 1915—LOT 16 BLK 3 Fair's Sub The Holly Park Tract. Mary Harvey to Kitty and Paul Fontana 108 months. \$25 per month, etc. and option to purchase.
Apr. 30, 1915—SW DIVISION AND Kansas S 260 to a pt on W Kansas 100 N Alameda W 200 N 191 to right of way S P Co. NE parallel with said right of way to S Division E 57. John G Rapp to Dunham, Carrigan & Hayden Co.
Apr. 30, 1915—PTN 260 SIXTH. Edward Rolkin to Rocco Capelli. Aug. 31, 1917. \$100 per month.
Apr. 26, 1915—NO. 1823 UNION. Joseph Burroni to Giacomo Tosi and Joseph Burroni. 5 years. \$60 per month.
Apr. 27, 1915—LOT 142 BLK 22, Fairmount Tract. Sophia S Jacobs to Henry Goering. 100 months. \$18 per month.
Apr. 27, 1915—NO. 3977 SEVENTEENTH Wm J Donnell to Martin Knupfer. 3 years. \$810.
Apr. 27, 1915—NO. 1899 OAKDALE Ave Cor. Quint. John McDonough to Richard Walsh. 10 years. \$10 per month.
Apr. 28, 1915—NOS. 4108-4110 and 4112 Geary; N Geary bet 5th and 6th Aves. J J Lyons to Jean Claverie. 5 years. \$2700.
Apr. 28, 1915—NO. 127 GRANT AVE. Mary L Moss to M L Marks. Feb. 29, 1924.
Apr. 28, 1915—E SCOTT 100 N Lombard N 25xE 110. Ida Henry to C Arnaud. 1 year. \$300.

NOTICE OF NON-RESPONSIBILITY.

Apr. 28, 1915—LOT 9 BLK 14 Crocker Amazon Tract. Crocker Estate Co as to improvements on leased property
 Apr. 27, 1915—NE TAYLOR & EDDY E 137-6xN 50. Whittell Realty Co as to improvements on leased property
 Apr. 26, 1915—W 1/2 LOT 35 BLK 1857 on Kirkham E of 12th Ave. Mary De Lay as to improvements on leased property

INCORPORATIONS

Natural Plant Preserves, Inc. To deal in preserved and natural plants. Capital Stock, \$10,000; 100 shares at \$100 each; amount subscribed, \$10,000. Place of business, San Francisco. Directors, R. F. Marcus, 40 shares; M. McKenzie and R. McKenzie, 30 shares each.

ASSIGNMENT OF LIEN.

Apr. 28, 1915—S 40 LOT 4 BLK "H" Map Weston Tct, Okd. J A McKeever to George H Tay Co; lien against Leo L Nichols and Mary Grace Dwyer\$270

COMPLETION NOTICES.

San Francisco

Apr. 24, 1915—S GEARY 90 E 27th Ave E 30xS 125. William H King to whom it may concern..Apr. 22, '15
 Apr. 24, 1915—NE EDDY AND JONES N 137-6xE 137-6. W E Dean to Vermont Marble Co....Apr. 24, 1915
 Apr. 24, 1915—S CALIFORNIA 137-6 W Taylor W 137-6xS 137-6. Towne Realty Co to John Spargo.Apr. 21, '15
 Apr. 24, 1915—SW SANSOME AND California. Firemans Fund Ins Co to General Electric Constr Co....April 10, 1915
 Apr. 26, 1915—E THIRTY-SECOND Ave 100 S Clement S 25xE 120. William D Berg to Gustave SpitzMarch 3, 1915
 Apr. 26, 1915—N SUTTER 81 W Taylor N 137-6xW 56-6. W Hendrickson tr Gaffney Estate to General Elec Constr Co.....Apr. 26, 1915
 Apr. 26, 1915—N SACRAMENTO 174-2 W Taylor N 120xW 27-6; No. 1246 Sacramento. F W Lurman to whom it may concern..Apr. 26, 1915
 Apr. 26, 1915—SW CALIFORNIA & Stockton S 68-9xW 117-6. Delmar Smith Clinton to G & M Sheet Metal Works.....Apr. 19, 1915
 Apr. 26, 1915—W ELEVENTH AVE 75 N Anza N 25x82-6. Alfred T Morris to whom it may concern..April 24, 1915
 Apr. 26, 1915—E TWENTY-SECOND Ave 200 S California S 50xE 120. Johnson & Johnson to whom it may concern.....Apr. 24, 1915
 Apr. 26, 1915—W FIFTEENTH AVE 250 and 275 N Balboa 50x120. Edward Ginley to whom it may concernApr. 26, 1915
 Apr. 26, 1915—SE JONES & PINE E 87-6xS 37-6. Theodore E Rulfs to whom it may concern...Apr. 23, 1915
 Apr. 26, 1915—E ELEVENTH AVE 150 S Balboa S 25xE 120. M C

Rench to whom it may concern...April 24, 1915
 Apr. 26, 1915—E ELEVENTH AVE 175 S Moraga 25x120. Oscar C Liebert to Oscar Liebert.Apr. 26, 1915
 Apr. 26, 1915—N POST 50 W Larkin — 50 N 120 E 50 S 120. J H Keefe to Joel Johnson.....Apr. 22, 1915
 Apr. 27, 1915—E EIGHTEENTH AVE 150 S Geary S 25xE 120. Thomas Hamill to whom it may concern...April 26, 1915
 Apr. 27, 1915—S CARL 100 E Shrader E 27xS 112-6. P D Bernhard to H C Warwick.....Apr. 24, 1915
 Apr. 27, 1915—E POWELL 137-6 N California N 68-9xE 137-6. A W Wilson and Jos Martin to California Plate & Window Glass Co, Inc, April 21; Morrison & Co.Apr. 22, 1915
 Apr. 28, 1915—NE EDDY AND JONES N 137-6xE 137-6. W E Dean to W W Montague & Co, April 27; U S Metal Products Co....Apr. 27, 1915
 Apr. 28, 1915—NE TWENTY-FIRST Ave and Lake — 100 E 32-6 S 100 W 32-6. Lillian W Jacobs to Roberts & Woolfrey.....Apr. 28, 1915
 Apr. 28, 1915—NW GOUGH AND BAY N 80 E 115 S 250 W 115 N 170 m or l. Grauman Theatre Player Corp to Dunnivant-Houghton-Van Sant, IncApril 27, 1915
 Apr. 28, 1915—N BROADWAY, bet Webster and Fillmore. Maud Lee Flood to A Knowles....Jan. 11, 1915
 Apr. 29, 1915—E TWENTY-SECOND Ave 205-8 N Taraval N 26-5 — 120 S 26-5 W 120. Chas and Leona A Bauersachs to P Grell and E IchterApril 27, 1915
 Apr. 29, 1915—S LOMBARD 165-6 W Baker W 55 S 137-6 E 55 N 137. Esther Fleisher and Mark Dobrin to The Greater City Lumber Co....April 27, 1915
 Apr. 29, 1915—E JONES 97-6 S Pine S 30x87-6. Metropolis Investment Co to whom it may concern.....April 29, 1915
 Apr. 29, 1915—S LAKE 28-6 E 18th Ave 25x84. Lloyd Burley Ham to McCausland Bros.....Apr. 29, 1915
 Apr. 28, 1915—W CASTRO 126-6 S 29th S 25xW 105. Theodor M Person to whom it may concern.....April 28, 1915
 Apr. 30, 1915—LOT 17 BLK "F" Park Lane Tract No. 4. Henry C and Ethel L Stoeckle to Leigh & SchultzApril 29, 1915
 Apr. 30, 1915—W TWELFTH AVE 150 N Anza N 25xW 120. Jos C Kirby to whom it may concern...April 30, 1915
 Apr. 30, 1915—W TWENTY-EIGHTH Ave 25 S California S 25x95. Michael Cain to whom it may concern..April 30, 1915
 Apr. 30, 1915—NW CLAY & HYDE W 137-6xN 34-4 1/2. Herman Investment Co to J C Hurley Co....April 29, 1915
 Apr. 30, 1915—E EIGHTEENTH AVE 100 S Geary S 50xE 120. John Gray to Thos Hamill.....Apr. 28, 1915

LIENS FILED

SAN FRANCISCO COUNTY.

Apr. 24, 1915—W FOURTH AVE 75 S Anza S 25xW 95. L A Hufschmidt Mfg Co vs John F Haner and J O'Connor\$123.25
 Apr. 24, 1915—E VALENCIA 185 N

23rd N 55xE 125. Chas Weaver vs Harriett M Stevens and Smith & Loncono\$160
 Apr. 24, 1915—NW VAN NESS AVE & Chestnut N 365 W 145 N 90 W 115 S 455 — 260. McNear Brick Agency \$1014.30; Hart-Wood Lumber Co, \$344.40 vs Northwest Constr Co et al
 Apr. 24, 1915—SE FILLMORE AND Chestnut E 87-6xS 62-6. Arthur Elvin vs Alpha Realty & Holding Co\$1078
 Apr. 24, 1915—N BAY 87.06 W Franklin N 62.89 W 65 S 221.01 E 65 N 158.12. Rudgear-Merle Co vs Austrian Concessions Co, George E Schneider, Mrs E M Schneider, J C Hladik, Vienna Cafe and Panama-Pacific International Exposition Co\$101.40
 Apr. 24, 1915—W WEBSTER 150 N Jefferson W 65 N 260 E 150 S 260 W 85. Western Bldg & Eng Co vs Panama-Pacific International Exposition Co\$5135.23
 Apr. 24, 1915—W FOURTH AVE 75 S Anza S 25xW 95. Richmond Sheet Metal Works vs J F Haner....\$36.70
 Apr. 24, 1915—W FOURTH AVE 75 S Anza S 25xW 95. James Christensen vs Jno F Haner.....\$275
 Apr. 24, 1915—E VALENCIA 185 N 23rd N 55xE 125. Olson-Mahony Lumber Co, \$341.94; Bells Wall Beds, \$22.20 vs A or T Loncono, Henry C Smith and Harriet M Stevens
 Apr. 26, 1915—W SIXTEENTH AVE 200 N Balboa N 25xW 100. George Ryan vs Michael Costello and Jos P Feerick\$435
 Apr. 26, 1915—E VALENCIA 185 N 23rd N 55xE 125. Eureka Sash, Door & Moulding Mills vs Harriet M Stevens, Antonio Locono and Henry C Smith (as Loncono & Smith)\$528.50
 Apr. 26, 1915—E VALENCIA 280 S 22nd S 55xE125. Roberts Mfg Co, \$206; Wedel Elec Co, \$280 vs T Loncono and H C Smith and Harriett M Stevens (widow).....
 Apr. 26, 1915—N TWENTIETH 25 E Collingwood E 25xN 75. J Piconi vs John H Palmer and Caroline F Palmer and McCausland Bros..\$152.50
 Apr. 26, 1915—NW VAN NESS AVE & Chestnut N 365 W 145 N 90 W 115 S 455 — 260. Panama Electric Lamp Co vs Rex Elec & Constr Co, Arnold E Needham, W W Perry, Edward R Eliasson, Northwest Constr Co, American Oriental Concessions Co, V Cardashian, Panama-Pacific International Exposition Co, et al\$764.05
 Apr. 27, 1915—SW CHESTNUT AND Van Ness Ave W 120xS 50. W P Fuller & Co vs J H Murphy, B Frankel, Jacob and Rosa Kessler and Ella Rohlf.....\$62
 Apr. 27, 1915—NW VAN NESS AVE and N Chestnut N 365 W 145 N 90 W 115 S 455 — 260. George A Applegarth vs V Cardashian, American Oriental Concessions Co, Panama-Pacific International Exposition Co, Julia Rossi, Thos N and Cathe Furlong, Chas Bone, Jr, Wm H Irvine, Maggie and Michael Moosie, Carrie E Bridge, S Lazzarini, F Michaels, Mary Gissler, Chas Bone, Konrad Jung, Bothin Real Estate

Co, F C Dowling, Emma S Willard, Albert Abrams, Hugh Farley, E Lippi, Rosina Re, Giovanni Maggiora, Rosa Del Carlo, James Venaglia, Bella Maggiora, Adele Venaglia, Laura Della Maggiora, Orlando Pia, Linda and Ben Lippi....

N 25x E 120. The Greater City Lumber Co vs Catherine Dixon and Mark Hardy\$92.40
Apr. 30, 1915—NW MARKET AND W East N to S Commercial W to a pt 481-8 E Drumm S 59.9 E 45.8 N 59.9 E to Market NE to beg. L Ph Bolander and E L Hallawell (as Bolander & Hallawell) vs The Henry Cowell Lime & Cement Co..

RELEASE OF LIENS

SAN FRANCISCO COUNTY.

Apr. 27, 1915—SE CHESTNUT AND Fillmore E 87-6xS 62-6. Herbert I Lauder vs Alpha Realty & Holding Co, Herman Robson and H H Sattler (as Robinson & Sattler)...\$89.50
Apr. 27, 1915—N TWENTIETH 25 E Collingwood E 25xN 75. James Brown vs John H and Caroline F Palmer and McCausland Bros...\$107.75
Apr. 27, 1915—SE PIERCE AND Chestnut S25 E 110 N 25 W to beg. G Sasso vs John and Christina Paymiller\$536

Apr. 27, 1915—EXPOSITION SITE. Hills Bros Co, Wm Matthews, Union Floor Co, Wm Matthews to Young's Restaurant Co and Richard Sinnott
Apr. 28, 1915—E JOICE 109 S Sacramento S 28-6 E 70 N 30-6 W 10 S 2 W 60. Bennett Bros to S C Harshbarger

Apr. 29, 1915—NE FULTON AND Fourth Ave E 31-3xN 95. Chas H Beckman to John J Sullivan and L C Woolridge.....

Apr. 29, 1915—NW LOMBARD AND Hyde N 137-6 W 97-6 S 60 E 40 S 20 E 10 S 15 E 5-10 S 42-6 E 41-8. J Eric Johnson to Francis J Sullivan

Apr. 28, 1915—EXPOSITION SITE. Hooper Lumber Co vs Northwest Constr Co, Varham Cardashian, Adj High Commissioner and Executive Director from Turkey to the Panama-Pacific International Exposition, Ottoman Empire and Panama-Pacific International Exposition Co.\$820.80

Apr. 28, 1915—NW CHESTNUT AND Van Ness Ave W 250 N 425 E 250 S 425. Clarkson Dye vs American Oriental Concessions Co, Panama-Pacific International Exposition Co, Vahan Cardashian, Bothin Real Est Co, A Abrams, Hugh Farley, Emanuel Lippi et al, Rosina Re, Emma S Willard, Maggiori et al, Vanaglia et al\$300

Apr. 27, 1915—E COOK 264-4 N Geary N 25-3xE 120. W H D'Arcy vs M Hardy and Catherine Dixon...\$65.80

Apr. 29, 1915—SW NIAGARA 89.58 NW Mission NW 25xSW 80. John J Mullins vs J B Woolfrey and L J Roberts\$87.50

Apr. 29, 1915—SW NIAGARA 89.58 NW Mission NW 25xSW 80; Bk 3, West End Map No. 1. D H Rhodes vs Louis J Roberts.....\$56.12

Apr. 29, 1915—SW NIAGARA AVE 89.58 NW Mission NW 25xSW 80. Reinhart Lumber & Planing Mill Co vs Louis J Roberts and John B Woolfrey (as Roberts & Woolfrey) Louis J and Lavinia Roberts and John B Woolfrey\$154.92

Apr. 29, 1915—EXPOSITION SITE. White Bros vs Northwest Constr Co, American Oriental Concessions Co, V Cardashian and Panama-Pacific International Exposition Co\$370.62

Apr. 29, 1915—NW VAN NESS AVE & Chestnut N 365 W 145 N 90 W 115 S 455 — 260. D O Church, \$422.92; McKeon & Mack, \$1584 vs Northwest Constr Co, American Oriental Concessions Co, V Cardashian, Julia Rossi, Panama-Pacific International Exposition Co, Thos N Furlong, Cath Furlong et al

Apr. 29, 1915—E VALENCIA 185 N 23rd E 125xN 55. Louis Zimmerman vs Harriet M Stevens and Henry C Smith.....\$67

Apr. 29, 1915—SW NIAGARA AVE 89.58 NW Mission NW 25xSW 80. W B Campbell vs Roberts & Woolfrey and Louis J Roberts.....\$88

Apr. 30, 1915—S JACKSON 100 W Baker W 31 S 127-8½ E 25 N 7-8½ E 6 N 100. S Petersen & S N vs Gwilyn Jones\$120.28

Apr. 30, 1915—E COOK 264-4 N Geary

OAKLAND AND ALAMEDA COUNTY.

RESIDENCE — 2 story and base, frame, \$4,500. Berkeley, Alameda Co., Cal. Architect, Olin S. Grove 2911 Telegraph avenue, Berkeley, Owner, Matthew Hunter. The dwelling will be erected in Eton Court, and has been designed for a seven-room house with bath, sleeping porch and garage. Interior finish will be of pine, elm panels and white enamel in the bed rooms. Hardwood floors will be used in the principal rooms. Plans provide for furnace heat and open fire places. Mantels will be of tile or brick. An automatic water heater will be installed. Bath rooms will be finished in tile. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are complete and the owner is taking sub-figures. Mr. Hunter may be reached at his place of business at the corner of Shattuck and Woolsey streets, Berkeley.

RESIDENCE — 2 story and base, frame, \$4,500. Berkeley, Alameda Co., Cal. Architect, Olin S. Grove 2911 Telegraph avenue, Berkeley, Owner, Frederick Townsend. The dwelling will be erected in Arlington Oaks near Berkeley, and has been designed for an eight-room house with bath and sleeping porch. A garage will also be erected on the property. Interior of the dwelling will be finished in pine with elm panels and white enamel in the bed rooms. Hardwood floors will be used in the living room, dining room and reception hall. There will be open fire places with tile or brick mantels. Tile wainscot will be used in the bath room. An automatic water heater is specified. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are now being prepared.

RESIDENCE — 2 story and base, frame. Cost not stated. Berkeley, Alameda Co. Cal. Architect, N. W. Shaw, 3073 Bateman street, Berkeley. Owner, Mrs. A. Cornell Perdue. The dwelling will be erected on College

avenue near Alcatraz, and has been designed for a six-room house with bath and sleeping porch. Interior finish will be of pine and redwood. Hardwood floors will be used in the living room, dining room and reception hall. There will be an open fire place in the living room. Mantel will be of brick. Tile wainscot will be used in the bath room. An automatic water heater is specified. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are complete and figures are now being taken by the architect.

COAL BUNKERS—Timber construction, \$150,000. Oakland, Cal. Architect, none. Owner, Western Fuel Co. What is to be the largest coal bunkers on San Francisco Bay will be erected at Howard's Wharf by the Western Fuel Co. A lease of the property has been negotiated and plans have been prepared for the construction. A large amount of special conveyor and unloading machinery will be required. Figures will be called for shortly on the work.

RESIDENCE — 2 story and base, frame, \$6,000. Oakland, Cal. Architects, Milwain Bros., Delger Bldg., Oakland. Owner, J. E. Dibert. The dwelling has been designed for a nine-room house with two baths and sleeping porches, and will be erected on Belmont near Staten avenue. Interior of the house will be finished in pine and hardwood with white enamel in the bed rooms. There will be a hot air furnace and open fire places. Mantels will be of tile. Hardwood floors will be used in the principal rooms. Bath rooms will be finished in tile. An automatic water heater is specified. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are complete and figures are now being taken.

WAREHOUSE STRUCTURAL STEEL —\$14,406. Oakland, Cal. Engineer, Harbor Engineer, Oakland City Hall. Owner, City of Oakland. Bids were opened at the Thursday afternoon session of the Oakland City Council for furnishing and erecting the structural steel frame for the one story warehouse to be erected on property parallel with the quay wall. The lowest bid was received from Dyer Bros., S. F., for \$14,406, and they will probably be awarded the contract. Four bids in all were received. A complete list of these figures will be found under the heading of Oakland and Alameda County in this issue.

LODGE HALL ALTERATION — 2 story and base, frame, \$2,500. Alameda, Alameda Co., Cal. Architect, Paul Dufur, 3068 San Jose avenue, Alameda. Owners, Knights of Columbus. A large two-story and basement frame dwelling located at 2152 Clinton avenue will be altered into lodge rooms. The work will consist of tearing out the present partitions on the second floor and altering the same into lodge rooms. Included in the work will be new interior finish, plumbing, electric work and heating. The organization also intends to build several small bath houses at the wharf. Plans are now being prepared and bids will be called for shortly.

HOTEL ALTERATION AND ADDITION—5 story and base, brick, \$14,000. Berkeley, Alameda Co., Cal. Architect,

Eugene K. Martin, 2192 Shattuck avenue, Berkeley. Owner's name withheld. The present five-story and base office building located on the east side of Shattuck avenue between Center and Addison streets will be altered into a modern hotel. Besides the usual interior finish work, plumbing, electric work, painting and heating, the work will include the installation of an automatic elevator. Exterior brick work and marble bases will be required. Plans are complete and figures are now being taken.

SCHOOL—1 story and base, frame, \$37,000. Berkeley, Alameda Co., Cal. Architects, Coxhead & Coxhead, Hearst Building, San Francisco. Owners, City of Berkeley. The building will be erected on property bounded by Rose street, Shattuck avenue, Vine and Walnut streets, and has been designed to contain six rooms and auditorium. Interior will be finished in pine throughout. Maple floors will be used in the class rooms and auditorium. A central heating system, probably steam heat with an oil burning furnace will be installed. Modern school plumbing and vacuum cleaning are specified. Exterior of the building will be covered with cement plaster on metal lath. Plans are complete and figures are now being taken. Bids will be opened on May 18th at 10 a. m. Separate figures are being called for on the general contract and the heating and ventilating.

STORES—1 story and base, frame, \$5,000. Berkeley, Alameda Co., Cal. Architect, Frank Ernsberger, 6245 College avenue, Berkeley. Owner, H. E. Chandler. The building will be erected at the corner of Ashby and Grove streets, and has been designed to contain four small stores. Interiors will be finished in pine. Patent store fronts are specified. Exterior will be covered with cement plaster on metal lath. Plans are complete and figures are being taken.

Building Contracts Awarded.

Oakland.

No.	Owner.	Contractor	Amt.
767	Ruby Hill	Bruce	3625
768	Alta Pdmnt Land.	Larson	5650
769	Ormsby	Rogers	1050
770	Drum	Palmer	—
774	Legriss	Legriss	1800
775	Frick	Alder	1900
776	Coxon	Johanson	400
778	Goldstone	Leiter	4125
779	Smith	Reed	2775
781	Cullen	Peppin	3750
782	Hearst	Bruce	5650
783	White	Walsh	450
784	Machek	Phillips	475
785	McLain	Laughland	400
786	Mercido	Allen	400
787	Dorsch	Shrader	400
788	Padweris	Molmos	500
789	Clyde	Clyde	8000
790	Petersen	Petersen	1800
791	Caspar	Brown	1850
792	Oakland	Nielsen	8552
794	Strang	Strang	2500
795	Cox	Nichols	1950
797	Central Svgs	Rudgear	8970
800	Haagenson	Okd Bldg	2000
801	Lee	Field	1375
802	Butler	Nichols	750
803	Holst	Ericksen	1000
804	Maginnis	Owner	9000
805	Button	Button	2500
806	Claremont	Mason	4000

FRAME DWELLING

(767) THREE MILES E OF PLEASANTON. All work for two story frame dwelling.

Owner.....The Ruby Hill Vineyard Company.

Architect...None.

Contractor...C. A. Bruce, Pleasanton.

Filed Apr. 24, '15. Dated Apr. 23, '15.

Rough rafters in place..... 1/4

Inside plastered..... 1/4

Completed..... 1/4

Usual 35 days..... 1/4

TOTAL COST, \$3625

Bond, none. Limit, 75 days. Forfeit, none. Plans and specifications filed.

FRAME DWELLING

(768) LOTS 71 AND 70, except ptn lying E of line parallel to E boundary line Lot 70 and distant at L 25 W therefrom —, Oakland. All work for two-story frame dwelling.

Owner.....Alta Piedmont Land Co., Oakland Bank of Svgs. Bldg., Oakland.

Architect... H. H. Guttererson, 80 Post, San Francisco.

Contractor..B. G. Larson and C. A. Anderson, 2276 Union, S. F.

Filed Apr. 23, '15. Dated Apr. 20, '15.

Frame up..... 1/4

Brown coated..... 1/4

Completed and accepted..... 1/4

Usual 35 days..... 1/4

TOTAL COST, \$5650

Bond, \$2825. Surety, New Amsterdam Casualty Co. Limit, 105 days. Forfeit, \$5. Plans and specifications filed.

DWELLING

(769) NO. 816 FORTY-FOURTH, Oakland. All work for one-story four-room dwelling.

Owner.....Edgar L. Ormsby, 39 Monte Vista Ave., Okd.

Architect...None.

Contractor..Chas. Rogers, 5426 Boyd Ave., Oakland.

Filed Apr. 23, '15. Dated Apr. 19, '15.

Owner pays bills upon being presented.....

TOTAL COST, \$1050

Bond, none. Limit, 60 days after Apr. 20. Forfeit, \$5. Plans and specifications filed.

STATE HIGHWAY

(770) BRIDGE 56.96 near Altamont from survey station 311 plus 34 to 323 plus 00 and Nickerson Road from survey station 0 plus 00 to station 5 plus 00. All work for construction of State highway.

Owner.....Frank G. Dunn & Warren Olney Jr., (receivers for property of W. P. Railway), Mills Bldg., S. F.

Architect...None.

Contractor..S. H. Palmer and A. D. McBryde (Palmer & McBryde), Hooker and Lent Bldg., San Francisco.

Filed Apr. 23, '15. Dated Apr. 20, '15.

Excavation from cut.....60c cu yd

Excavation from other borrow pits.....40c cu yd

Laying 30 inch galvanized iron pipe.....\$1.00 lin ft.

Mixing & placing concrete..\$10 cu yd

Completed..... 75%

36 days after..... 25%

TOTAL COST, \$—

Bond, none. Limit, 60 days. Forfeit, none. Plans and specifications filed.

BRICK ICE WAREHOUSE

(773) SW THIRD AND JACKSON, Oakland. One-story brick ice warehouse.

Owner.....Wemmer & Simons, 422 11th, Oakland.

Architect...Wm. Wilde, 1725 Broadway, Oakland.

Day's work. **COST, \$900**

DWELLING

(774) S FORTY-FIFTH 100 E Mar-ke, Oakland. One-story 5-room dwlg

Owner.....L. H. Legris, 612 44th, Okd

Architect...None.

Day's work. **COST, \$1800**

DWELLING

(775) E SIXTIETH 230 N Foot Hill Blvd., Oakland. One-story 5-room dwelling.

Owner.....W. P. Frick, 1306 Broadway, Oakland.

Architect...None.

Contractor..A. Alder, 2487 62nd Ave., Oakland. **COST, \$1900**

DWELLING

(778) N LAKE PARK 90 W Rand Ave. being Lot 121 Map Piedmont-by-the-Lake, Oakland. All work for two-story dwelling.

Owner.....Grace V. Goldstone.

Architect...Edgar A. Mathews, 251 Post, San Francisco.

Contractor..E. T. Leiter & Sons, 3601 West, Oakland.

Filed Apr. 26, '15. Dated Apr. 24, '15.

Frame up.....\$ 461

Ready for plaster..... 1200

Standing finish 2nd story on.... 400

Completed and accepted..... 1032

Usual 35 days..... 1032

TOTAL COST, \$4125

Bond, none. Limit, 100 days. Forfeit, none. Plans and specifications filed.

FRAME DWELLING

(779) LOT 19 BLK 17 Thousand Oaks Tract, Oakland Tp. All work for two story frame dwelling.

Owne.....Henry A. F. and Henrietta Smith, 1724 Hearst Ave., Berkeley.

Architect...None.

Contractor..G. G. Reed, 681 62nd, Okd.

Filed Apr. 26, '15. Dated Apr. 24, '15.

Frame up..... 1/4

Plastered..... 1/4

Completed and accepted..... 1/4

Usual 35 days..... 1/4

TOTAL COST, \$2775

Bond, none. Limit, 150 days. Forfeit, \$1. Plans and specifications filed.

FRAME DWELLING AND GARAGE

(781) NW TWENTY-EIGHTH AND 11th Ave 50x131, Oakland. All work for two-story frame dwelling and garage.

Owne.....Thomas and Milly Cullen, Oakland.

Architect...None.

Contractor..J. B. Peppin Jr., San Leandro.

Filed Apr. 26, '15. Dated Dec. 9, '14.

Frame up and enclosed..... 1/4

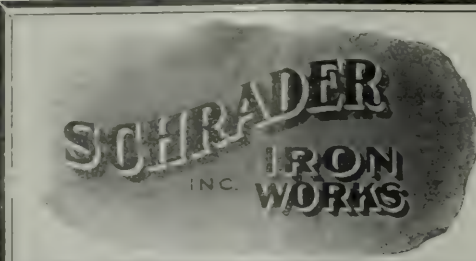
Brown coated..... 1/4

Completed..... 1/4

Usual 35 days..... 1/4

TOTAL COST, \$3750

Bond, none. Limit, 60 days. Forfeit, \$10. Plans and specifications, none.



Structural Steel Contractors

**Works at
HARRISON ST.,
bet. 8th & 9th
San Francisco**

Telephone Market 337

FRAME DWELLING

ESTATE OF MRS. P. A. HEARST
known as The Hearst near Pleasanton. All work except electric wiring and fixtures, furnace and finish hardware for one-story and basement. Plans and specifications filed.

Owner.....Mrs. P. A. Hearst by Richard A. Clark.
Architect...Geo. F. Kincaid (non-certificated), Hearst Bldg., San Francisco.
Contractor...Charles A. Bruce, Pleasanton.

Filed Apr. 24, '15. Dated Apr. 22, '15.

Foundation.....	1/4
Foundation.....	1/4
Completed and accepted.....	1/4
Usual 35 days.....	1/4

TOTAL COST, \$5650

Bond, \$2850. Sureties, Jas. R. Cruikshank and Dr. C. A. Cas. Limit, 90 days Forfeit, \$10. Plans and specifications filed.

REPAIRS

(787) NE TWENTY-FOURTH AND Magnolia, Oakland. Repairs.
Owner.....L. S. White, 939 Grove, Oakland.
Architect...None.
Contractor...Walsh & Rodgers.
COST, \$450

ALTERATIONS

(789) NO. 2231 THIRTY-FOURTH, Oakland. Alterations.
Owner.....Mr. Machek, Premises.
Architect...None.
Contractor...A. Phillips, 2831 Helen, Oakland.
COST, \$475

ALTERATIONS

(789) N. 1841 BROADWAY, Oakland. Alterations.
Owner.....J. T. McLean, 17th St. near Broadway, Oakland.
Architect...None.
Contractor...John Longford, 575 Bellevue Ave., Oakland.
COST, \$400

ALTERATIONS

(789) NO. 20 TWENTY-SEVENTH, Oakland. Alterations.
Owner.....Mrs. Morde, Premises.
Architect...None.
Contractor...L. W. Allen, 5521 Marshall, Oakland.
COST, \$400

ALTERATIONS

(787) NO. 1307 WASHINGTON, Oakland. Alterations.
Owner.....Chas. Dorsch.
Architect...None.
Contractor...L. E. Schrader, 320 16th, Oakland.
COST, \$400

ALTERATIONS

(788) NO. 1046 FIFTH AVE., Oakland. Alterations and repairs.
Owner.....Dion V. Padwveris, Prem.
Architect...None.
Contractor...S. Molmos, San Francisco.
COST, \$500

APARTMENTS

(789) E THIRD AVE 80 S E-14th, Oakland. Two-story 16-room apartments.
Owner.....Clyde Improvement Co.
Architect...Rousseau & Rousseau, 110 Sutter, San Francisco.
Day's work.....COST, \$8000

DWELLING

(791) NE EIGHTH AVE AND E-23D, Oakland. One-story 5-room dwlg.
Owner.....Anne C. Petersen, 1200 E-24th, Oakland.
Architect...None.
Contractor...Chas. Petersen, 1200 E-24th Oakland.
COST, \$1800

DWELLING

(792) E KENNEDY 300 N Dennison, Oakland. One-story 5-room dwlg.
Owner.....M. Caspar, 1920 E-14th, Oakland.
Architect...None.
Contractor...Joe Brown, 1847 E-14th, Oakland.
COST, \$1850

SCHOOL

(792) SW PERRY AND VAN BUREN, Oakland. Two-story 6-room school.
Owner.....City of Oakland.
Architect...Julia Morgan, Merchants' Exchange Bldg., S. F.
Contractor...J. C. Nielsen, 849 Athens Ave., Oakland.
COST, \$8552

DWELLING

(794) SE E-THIRTY-EIGHTH AND Ardley, Oakland. Two-story 6-room dwelling.
Owner.....V. N. Strang, 1521 9th, Alameda.
Architect...None.
Day's work.....COST, \$2500

DWELLING

(795) S DAMUTH 320 E Fruitvale Ave Oakland. One-story 5-room dwlg
Owner.....Cox & Nichols, 1719 Castro Oakland.
Architect...None.
Day's work.....COST, \$1950

ORNAMENTAL IRON WORK

(797) NE FOURTEENTH & BROADWAY, Oakland. Ornamental iron for alterations to bank building.
Owner.....Central Savings Bank.
Architect...B. G. McDougall, Sheldon Bldg., San Francisco.

Contractor...Rudgear-Merle Co., Bay & Stockton, San Francisco.

Filed Apr. 28, '15. Dated Apr. 19, '15.
Once a month.....75%
Usual 35 days.....25%

TOTAL COST, \$8970

Bond, \$1500. Sureties, A. and R. A. Sbarboro. Limit, 55 days. Forfeit, \$100. Plans and specifications filed.

STORES

(799) SW FORTY-SECOND & BROADWAY, Oakland. One-story 3-room stores

Owner.....Miss Mahoney.

Architect...None.

Contractor...Jones Bros., 58 1/2 Lawton Ave., Oakland.

COST, \$2350

DWELLING

(800) E WOODRUFF 300 N E-3th, Oakland. One-story 5-room dwlg.
Owner.... H. O. Haagensohn.
Architect...None.
Contractor...Oakland Bldg. Co., Security Bank Bldg., Oakland.
COST, \$2000

ALTERATIONS

(801) NO. 2265 BROADWAY, Oakland. Alter garage.
Owner.....Don Lee Garage, Prem.
Architect...None.
Contractor...Fred H. Field, Kentfield.
COST, \$1375

ALTERATIONS

(802) NO. 635 EL DORADO AVE., Oakland. Alterations.
Owner.....F. M. Butler, Premises.
Architect...G. E. McCrea, 1st National Bank Bldg., Oakland.
Contractor...Leo L. Nichols, 1764 Broadway, Oakland.
COST, \$750

ADDITION

(803) NO. 4731 CLEMENT, Oakland. Addition.
Owner.....P. M. Holst, Premises.
Architect...None.
Contractor...L. Erickson, 729 Apgar, Oakland.
COST, \$1000

DWELLING

(804) E Lusk 50 N 41st, Oakland. One-story 4-room dwelling.
Owner.....John Maginnis, 1863 14th, Oakland.
Architect...None.
Day's work.....COST, \$1000

DWELLING

(805) W HILLEGASS 70 N 62nd, Oakland. One-story 6-room dwelling.
Owner.....L. W. Button, 347 63rd, Oakland.
Architect...None.
Day's work.....COST, \$2500

ALTERATIONS

(808) NE THIRTY-THIRD & GROVE, Oakland. Alter two-story dwelling into four apartments
Owner.....Judith Lamoureux, Prem.
Architect...None.
Contractor...H. N. Turrell, 841 Walker Ave., Oakland.

Filed Apr. 30, '15. Dated Apr. 27, '15.
1st day of each month.....75%
Usual 35 days.....25%

TOTAL COST, \$3150

Bond, \$1575. Surety, Maryland Casualty Co. Limit, 80 days. Forfeit, none. Plans and specifications filed.

BUILDING CONTRACTS

Berkeley.

No.	Owner	Contractor	Amt.
772	Monzi	Fleische	2000
773	Wemmer	Simmons	900
777	Madsen	Smith	2300
780	Acheson	Arlett	2445
796	Acheson	Franks	4400
798	Koenig	Ericsson	1850
799	Mahoney	Jones	2350
807	Mathewson	Owner	2500
808	Lamoureux	Turrel	3150

ADDITION

(771) SW LINDEN AVE & WEBSTER
Berkeley. Addition.
Owner.....Mrs. Lucas, 2968 Linden
Ave., Berkeley.
Architect...None.
Contractor..Darrow Merkle Co., 2711
Russell, Berkeley.
COST, \$400

DWELLING

(772) W BONAR 165 S Channing, Ber-
keley. One-story 5-room dwelling.
Owner.....M. Monzi, 1256 67th, Okd.
Architect...None.
Contractor..Chas. Fleische, 2032 Ban-
croft, Berkeley.
COST, \$2000

ADDITION

(776) S VIRGINIA 300 W Le Roy Ave.,
Berkeley. Addition.
Owner.....G. Coon, 2522 Virginia,
Berkeley.
Architect...None.
Contractor..Gustaf Johanson, 1811 Rose
Berkeley. COST, \$400

DWELLING

(777) E BONITA 50 S Rose, Berkeley.
One-story 6-room dwelling.
Owner.....Eliza M. Madsen.
Architect...None.
Contractor..O. G. Smith, 4402 Brookdale
Ave., Berkeley.
COST, \$2300

BRICK AND STEEL STORE BLDG.

(780) NW UNIVERSITY AVE AND
Home, Berkeley. Common brick
work, pressed brick and common
brick work for wall and footing of
adjoining building for one-story and
basement brick and steel store bldg.
Owner.....W. J. Acheson, Berkeley.
Architect...James W. Plachek, Ache-
son Bldg., Berkeley.
Contractor..Arthur Arlett, 461 Market,
San Francisco.

Filed Apr. 26, '15. Dated Apr. 26, '15.
On 1st and 15th of each month 75%
Usual 35 days..... 25%
TOTAL COST, \$2445

Bond, none. Limit, as soon as possible.
Forfeit, \$1. Plans and specifications,
none.

CONCRETE WORK

(796) NW COR. UNIVERSITY AVE
and Home, Berkeley. Concrete work
for one-story brick and steel store
building.
Owner.....W. J. Acheson, Berkeley.
Architect...James W. Plachek, Ache-
son Bldg., Berkeley.
Contractor..H. E. Franks, 2709 McGee
Ave., Berkeley.

Filed Apr. 28, '15. Dated Apr. 24, '15.
1st and 15th of each month... 75%
Usual 35 days..... 25%
TOTAL COST, \$4400

Bond, \$2200. Sureties, P. H. Franks
and Swift & Wilcox by W. J. Swift.

Limit, 10 days: Forfeit, \$10. Plans and
specifications, none.

DWELLING

(798) E WALKER 100 S Derby, Ber-
keley. One and one-half-story six-
room dwelling.
Owner.....Max Koenig, 444 11th,
Berkeley.
Architect...None.
Contractor..Carl Ericsson, 1200 Ma-
sonic Ave., Berkeley.
COST, \$1850

DWELLING

(806) N TUNNEL ROAD 392.76 W
Alvarado Road, Berkeley. Two-story
8-room dwelling.
Owner.....Claremont Land Co., 2045
Shattuck Ave., Berkeley.
Architect...W. H. Ratcliff Jr., 1st Na-
tional Bank Bldg., Bkly.
Contractor..Mason-McDuffie Co., Addi-
son & Shattuck, Bkly.
COST, \$4000

DWELLING

(807) SE LA LOMA & BUENA VISTA
Way, Berkeley. One and one-half-
story five-room dwelling.
Owner.....R. H. and G. H. Mathew-
son, 2560 Buena Vista Way,
Berkeley.
Architect...B. R. Meybeck, La Loma &
Buena Vista, Berkeley.
Contractor..R. H. Mathewson, 2560
Buena Vista Way, Berkeley
COST, \$2500

Alameda.

No.	Owner	Contractor	Amt.
793	Cole	Kopf	1200
DWELLING			
(793)	W NASON 512-6 N Buena Vista, Alameda. One-story 5-room dwlg.		
Owner.....	Mark T. Cole, 703 Syndicate Bldg., Oakland.		
Architect...None.			
Contractor..	B. F. Kopf, 3200 Fernside Blvd., Alameda.		
COST, \$1200			

COMPLETION NOTICES.

ALAMEDA COUNTY

Apr. '6, 1915—LOT 2 BLK "C" Map
4th Avenue Terrace, Okd. Paul E
Woodburn to whom it may con-
cern.....April 16, 1915

Apr. 17, 1915—NW WALNUT AVE &
Lilac, being Lot 20 Blk 5 Brook-
dale Terrace, Okd. Robert Davies
to O G Smith.....April 12, 1915

Apr. 17, 1915—PTN LOTS 8 AND 9,
Peralta Heights Tract on Cor. E-
18th and 4th Avenue right of way
of O T Co., Okd. Cyrilla J Plunkett
to Edwin C Graff. ...Apr. 16, 1915

Apr. 21, 1915—LOT 19 BLK "B"
Claremont Court, Bkly. L R Mar-
kell to C M Blabon....Apr. 16, 1915

Apr. 21, 1915—NW 45 LOT 3 BLK "A"
Map Piedmont Vista Tract, Pied-
mont. Wm H Hoyt to E Lundberg
.....April 8, 1907 (as recorded)

Apr. 22, 1915—LOT 6 BLK "B"
Amended Map Christiana Tract,
Bkly. Carl Ericsson to whom it
may concern.....Apr. 22, 1915

Apr. 22, 1915—LOT 8 BLK 1, Colusa
Ave Ext, Bkly. J S Hanson to Fred
E Bailey and C G Betz..Apr. 21, 1915

Apr. 22, 1915—S 2 LOT 23 and all Lot
22 and N 11 Lot 21 Map Holway &

Lanes Tract, Okd. William H Sims
to whom it may concern.Apr. 21, 1915
Apr. 22, 1915—N CHANNING WAY
111 from E line McKinley Ave E
32xN 120, Bkly. James W Krafft
to whom it may concern.Apr. 22, 1915
Apr. 22, 1915—PTN LOTS 7 AND 8
Blk 21 Map Northbrae, Bkly. C E
Sinclair to whom it may concern
.....April 20, 1915
Apr. 23, 1915—ASHMONT AVE at
Cor. Lots 98 and 206 NE on curve
to right 116.24 NW 150 W 109.36
SW 93.90 SE 181.31 NE 136.16, Okd.
Anne J Larkey to J F Dingwell...
.....April 22, 1915

Apr. 24, 1915—W 20 LOT 13 AND E
20 Lot 14 Blk "M" Map No. 3 Sub-
division of ptn Central Oakland
Tract, E of Telegraph Ave., Okd.
W S Montgomery to whom it may
concern.....Apr. 15, 1915

Apr. 26, 1915—SE JAYNE & MCGEE,
Berkeley. Dorothy D Anloff to
whom it may concern....Apr. 26, 1915

Apr. 27, 1915—PTN LOTS 82, 83 AND
84 Blk 7 Map Havenscourt. Han-
nah Bellefontaine to A J Bellefon-
taineApril 20, 1915

Apr. 28, 1915—NE QUIGLEY 173.34
NW High NW 35xNE 119.59, Okd.
C W Glanz to whom it may concern
.....April 27, 1915

Apr. 29, 1915—LOT 13 Map Boyd
Place, Bkly. Rosina B Rose to
W Helms.....Apr. 26, 1915

Apr. 29, 1915—S 52 LOTS 7 AND 8
Blk 21 Map Northbrae, Bkly. C E
Sinclair to whom it may concern...
.....April 29, 1915

Apr. 29, 1915—N TWENTY-EIGHTH
and W 11th Ave 50x131, Okd. Thos
and Milly Cullen to J B Peppin Jr
.....April 27, 1915

Apr. 30, 1915—W RAWSON 50 N
Trask, Okd. Rosa B Tremble by
M H Tremble to whom it may con-
cern.....April 28, 1915

Apr. 30, 1915—LOT 25 AND SW 12½
Lot 24 Blk 9 Map Key Route
Heights, being No. 3874 Magee Ave,
Okd. Joseph and Mary Flittner
to whom it may concern.....

.....April 23, 1915
Apr. 30, 1915—LOT 36 BLK 4 Melrose
Heights, Okd. H F Tillman to T S
Peterson.....April 10, 1915

LIENS FILED.

ALAMEDA COUNTY.

Apr. 14, 1915—SW HIBBARD AND
Buena Vista Ave S 133½ W 108 N
33½ E 36 N 100 E 72, Okd. J F
Ellis (National Roofing Co), \$32.50;
John P Maxwell (Maxwell Hard-
ware Co), \$40.52 vs W T, Ella
and Carola Hess, Fred Hess Jr, Ella
McPike, T B Henry, Trustee T B
Henry, John Doe Harris and John
and Richard Doe

Apr. 14, 1915—LOT 81 Searls Tract,
Okd. Adam Dalglish vs Olif Till-
man and T S Peterson.....\$32.50

Apr. 14, 1915—S 40 LOT 134 Fruitvale
Add'n Tract, Okd., \$64.87.

S 20 LOT 136 and N 20 Lot 135,
Fruitvale Add'n Tract, Okd., \$58.62.
N 40 LOT 137, Fruitvale Add'n Tct,
Okd., \$57.62.

LOT 139, Fruitvale Add'n Tract,
Okd., \$44.90.
LOT 138, Fruitvale Add'n Tract,
Okd., \$56.19.

Apr. 15, 1915—NE FIFTY-FIFTH &

Telegraph Ave N 25xE 100, Okd. Silvano Bognasco vs First Cavalh, J Gallo and First Mulvihill...\$24.50
 Apr. 16, 1915—N FORTY-THIRD 180.26 E Grove E 30xN 91.25, Okd. J D McTeer vs Alfred Olson and William Williams\$22.30
 Apr. 27, 1915—E JAMES, bet Hudson and Clifton, being No. 5352 James, Okd. Piedmont Electric Co vs C H Harwood\$12.05
 Apr. 22, 1915 LOT 26 BLK 3 Map Key Route Heights, Okd. Melrose Lumber & Supply Co vs Boulevard Land Co and Amos S Draa...\$196.20
 Apr. 30, 1915 LOT 54 BLK 4 Map Melrose Heights, Okd. Walter F Lloyd (Boulevard Mill & Lumber Co) vs T S Peterson, C D Farquer, J A Smilie, George F Meredith, T C Martens, R C Blackmar, F H Lowell, Julia M Hershiser, The Talcott Land Co and John Doe Hartstein\$200.90
 Apr. 29, 1915—PTN LOT 4 BLK 8, Map Weston Tract, being Nos. 4080-82 Broadway, Okd. Joseph D Bell (Bell's Wall Beds) vs Leo L Nichols and Mary Grace Dwyer...\$94
 Apr. 29, 1915—S 40 LOT 4 BLK H Map Weston Tract, Okd. Panama Lumber & Mill Co vs Mary Grace Dwyer and Leo L Nichols...\$263.17
 Apr. 28, 1915—S 40 LOT 4 BLK "H" Map Weston Tract, Okd. J A McKeever, \$270; The California Door Co, \$92.30; John P Maxwell (Maxwell Hardware Co), \$117.25; Berkeley Electrical Co, \$87 vs Mary Grace Dwyer and Leo L Nichols..
 Apr. 27, 1915—S E-TWELFTH 100 E 39th Ave E 35xS 100, Okd. California Standard Planing Mill Co vs J H Rackerby.....\$240.74

SAN JOSE AND THE SANTA CLARA VALLEY

RESIDENCE AND STABLE—2 story and base, reinforced concrete. Cost not stated. Hillsborough, San Mateo Co., Cal. Architect, Willis Polk, Hobart Bldg., S. F. Owner, W. B. Bourn, President of the Spring Valley Water Co. The dwelling will be erected on a large estate near Hillsborough. Beside the dwelling there will be extensive stables, conservatory, out houses and other buildings. Construction will be of reinforced concrete. The design will probably be in the Classic style. No details as to arrangement and construction have been made public. Further mention will be made of the work as the plans progress. It is reported that Mr. Bourn has spent in the neighborhood of \$100,000 on the estate.

RESIDENCE 1 story and base, frame, \$2,000. San Jose, Santa Clara Co., Cal. Architect, none. Owner, P. N. Dalis, First and Post streets, San Jose. The dwelling will be erected on Hull avenue, and has been designed for a five-room house with bath. Interior finish will be of pine throughout. Some oak floors will be used. There will be an open fire place in the living room. Mantel will be of tile. Tile wainscot will be used in the bath room. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor.

RESIDENCE 1 story and base, frame, \$1,000. San Jose, Santa Clara

Co., Cal. Architect, none. Owner, Joe Tancilla, 768 North 15th street, San Jose. The dwelling will be erected on North 15th street and has been designed to contain five rooms and bath. Interior finish will be of pine and redwood. Some oak floors will be used. There will be an open fire place in the living room. Mantel will be of tile. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor.

RESIDENCE—1½ story and base, frame, \$3,000. Palo Alto, Santa Clara Co., Cal. Architect, Sidney B. Newsom, Nevada Bank Bldg., S. F. Owner, Miss Elizabeth Gardner. The dwelling will be erected in Palo Alto and has been designed for a six-room house with bath and sleeping porch. Interior finish will be of pine and hardwood with some white enamel. Hardwood floors will be used in the living room, dining room and reception hall. There will be furnace heat and open fire places. Mantels will be of brick. Tile will be used in the bath room. An automatic water heater will be installed. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are complete and figures are now being taken.

BRIDGES—Reinforced concrete. Cost not stated. Burlingame, San Mateo Co., Cal. Engineer, City Engineer, Burlingame. Owners, City of Burlingame. At a recent meeting of the Burlingame Trustees steps were taken to build ten concrete bridges in Easton. The old wooden structures now in place have been declared unsafe for travel. The plans and specifications have been prepared. Bids on this work will be called for at an early date.

SANITARY SEWER—Cost not stated. Santa Cruz, Santa Cruz Co., Cal. Engineer, City Engineer, Santa Cruz. Owners, City of Santa Cruz. At the last meeting of the City Council the City Engineer presented plans and specifications for a 16-inch sewer nearly two miles in length. The sewer includes work on the following streets: Cliff road, Columbia street, Pelton avenue and other streets, National, Bay, Centennial, Liberty, Gharkey, Laguna, Monterey, Nevada and Oregon streets. Bids on this work will be called on the approval of the plans.

HIGHWAY CONSTRUCTION — Cost not stated. Santa Cruz, Santa Cruz Co., Cal. Engineer, County Surveyor, Santa Cruz. Owners, Santa Cruz County. The County Supervisors have decided to call for bids for the construction of a road leading to the State Redwood Park.

STREET PAVING—\$13,544.80. Burlingame, San Mateo Co., Cal. Engineer, City Engineer, Burlingame. Owners, City of Burlingame. Plans and specifications for the paving of Cypress avenue and portions of Barrichlet and Occidental avenues have been adopted by the city officials and bids for the work will probably be called at their next meeting. The engineer's estimate on the cost of the work is \$13,544.80.

SEWER SYSTEM—Cost not stated. Daly City, San Mateo Co., Cal. Engineer, City Engineer, Daly City. Owners, Daly City. Plans are complete and figures are now being taken for

the construction of the following sewers in Daly City: 15-inch in San Jose avenue, and an 8-inch across San Jose avenue. There will be the customary Y branches and manholes. Plans can be secured from the City Engineer. Bids will be opened on May 10th.

Contracts Awarded.

SCHOOL—2 story and base, frame, \$10,000. Santa Cruz, Santa Cruz Co., Cal. Architect, W. H. Weeks, 75 Post street, S. F. Owner, City of Santa Cruz. Contractors, Meglerini Bros., Santa Cruz. Contract price, \$9,096.

SCHOOL—1 story and base, reinforced concrete. WATER MAIN EXTENSION — \$13,396.14. Palo Alto, Santa Clara Co., Cal. Engineer, City Engineer, Palo Alto. Owners, City of Palo Alto. Contractor, James Stanley, Sr., Palo Alto. Contract price, \$13,396.14.

STREET PAVING — \$71,032.50. San Mateo, San Mateo Co., Cal. Engineer, City Engineer, San Mateo. Owners, City of San Mateo. Contractors, McGillivray Construction Co., Sacramento. Contract price, \$71,032.50.

BUILDING CONTRACTS

SANTA CLARA COUNTY.

FRAME CHURCH

N W-SAN FERNANDO near Race St., San Jose. All work for frame church Owner.....Wm. Culligan, 55 W-San Fernando St., San Jose.

Architect...C. S. McKenzie, Bank of San Jose Bldg., S. J.

Contractor...T. J. Scherrebeck, Alum Rock Ave and King Road, San Jose.

Filed Apr. 13, '15. Dated Apr. 10, '15.

Frame up	\$673.75
Building enclosed	673.75
Building completed	673.75
Usual 35 days.....	Balance

TOTAL COST, \$2695

Bond, \$1400. Sureties, O. E. and E. W. Schnabel. Limit, 75 days. Forfeit, none. Plans and specifications filed.

FRAME COTTAGE

SW HAMILTON AVE & MERIDIAN Road near San Jose. All work for frame cottage.

Owner.....N. L. Ross, Hamilton Ave and Meridian Road, Campbell F. D. 9, Box 4.

Architect...F. D. Wolfe, 1st National Bank Bldg., San Jose.

Contractor...C. F. Keesling, 347 Coe Ave., San Jose.

Filed Apr. 14, '15. Dated Apr. 14, '15.

Frame up	\$750
When plastered	750
When completed	750
Usual 35 days.....	750

TOTAL COST, \$3000

Bond, \$1500. Sureties, E. E. and G. L. Keesling. Limit, 75 days. Forfeit, none. Plans and specifications filed.

FRAME BUNGALOW

LOCATION NOT GIVEN. All work for frame bungalow.

Owner.....A. Piaggio, Mountain View California.

Architect...None.

Contractor...J. J. Cordoza.

Filed Apr. 12, '15. Dated Apr. 10, '15.

Frame up	\$417.50
1st coat plaster on	417.50
When completed	417.50
Usual 35 days.....	417.50

TOTAL COST, \$1670.00

Bond, none. Limit, 66 days. Forfeit, none. Plans and specifications filed.

FRAME STABLE, ETC.

BOUNDED ON S BY STEVENS CREEK on W by Santa Clara College lands, on N by Stevens Creek road and E by McClelland Road. All work for frame stable and concrete litter pit. Owner.....J. V. Delaveaga.

Architect...Cunningham & Politeo, 1st National Bank Bldg., S. F. Contractor...F. A. Wilkie, 519 California, San Francisco.

Filed Apr. 15, '15. Dated Apr. 12, '15. Frame of barn up and litter pit walls poured\$2437 Stable enclosed and plumbing and electric work roughed in..... 2000 Walls (interior) and floors (concrete) done 2000 All completed 2000 Usual 35 days..... 2813

TOTAL COST, \$11,250

Bond, \$5700. Surety, Massachusetts Bonding & Insurance Co. Limit, 70 days. Forfeit, \$10 per day. Plans and specifications filed.

WAREHOUSE

MARGARET AND FOURTH STS., San Jose. Warehouse.

Owner.....Richardson & Robbins. Architect...None. Contractor...Geo. Hinds, 72 N-Second St., San Jose. COST, \$4000

BUNGALOW

NO. 514 GREGORY AVE., San Jose. Four-room bungalow.

Owner.....Canio Stasi, Premises. Architect...None. Day's work. COST, \$800

BRICK SHOP

SAN FERNANDO, bet 1st and 2nd Sts., San Jose. One-story brick shop.

Owner.....W. C. Longan Co., 1st National Bk Bldg., San Jose. Architect...None. Contractor...J. C. Thorp, 28 Porter Bldg San Jose. COST, \$700

BRICK AND STEEL CLUB HOUSE

SECOND AND SAN ANTONIO, San Jose. Three-story brick and steel club house.

Owner.....Y. W. C. A., 91 N-1st St., San Jose. Architect...Julia Morgan, Merchants' Exchange Bldg., S. F. Contractor...Morrison Bros., Santa Clara. COST, \$66,000

COTTAGE

N-FIFTEENTH ST., bet. Empire and Jackson, San Jose. Six-room cottage

Owner.....A. J. Laiderich, Premises. Architect...None. Contractor...S. G. Pelton, 217 S-First, San Jose. COST, \$2500

COTTAGE

HULL AVE near Delmas, San Jose. Five-room cottage.

Owner.....P. N. Dalis, First & Post, San Jose. Architect...None. Day's work. COST, \$1600

COTTAGE

NO. 768 N-FIFTEENTH, San Jose. Five room cottage.

Owner.....Joe Cancilla, Premises. Architect...None. Day's work. COST, \$1400

ALTERATIONS

FOURTH & SANTA CLARA, San Jose. Alter front.

Owner.....Harris-Levy Estate, Prem. Architect...None. Day's work. COST, \$500

(Correction in Contractor's Address)

ALTERATIONS

SW SECOND AND SAN FERNANDO STs., San Jose. All work for remodeling two-story building.

Owner.....San Francisco Investment Corporation. Architect...D. C. Coleman, Merchants National Bank Bldg., S. F. Contractor...Monson Bros., 180 Jessie, San Francisco.

Filed Apr. 13, '15. Dated Apr. 10, '15. On 1st of each month..... 75% Usual 35 days..... 25%

TOTAL COST, \$8291

Bond, \$4150. Surety, New England Casualty Co. Limit, 75 days. Forfeit, \$10 per day. Plans and specifications filed.

COTTAGE

LOT 22, Hawthorne Way, San Jose. Six-room cottage.

Owner.....C. B. Burton, E Leigh Ave near Hamilton Ave, Campbell R. F. D. 9 Box 60 B. Architect...None. Contractor...Latta & Sons 430 N-11th, San Jose. COST, \$3500

ADDITION

NO. 493 ROYAL AVE., San Jose Addition.

Owner.....A. Dinapoli Premises. Architect...None. Contractor...L. R. Rosingani, 328 Josefa San Jose. COST \$500

ALTERATIONS

NO. 419 S-THIRD ST., San Jose. Alterations and repairs.

Owner.....G. W. Gardner. Architect...None. Day's work. COST \$500

ADDITION

NO. 118 S-THIRTEENTH ST., San Jose Addition.

Owner.....Ed. Rea, Premises. Architect...None. Contractor...Z. O. Field, 113 W-Santa Clara, San Jose. COST, \$400

LIENS FILED

SANTA CLARA COUNTY.

RECORDED AMOUNT

Apr. 14, 1915—LOT 9 BLK 6 Naglee & Sainsevain Sbdvn, San Jose. S H Chase Lumber Co vs S H Gandrup\$44
Apr. 20, 1915—LOT 12 Monte Vista Tract, Santa Clara Co. H J Langdon vs Elizabeth A Green and Carl Kohler\$197.54

COMPLETION NOTICES

SANTA CLARA COUNTY.

RECORDED ACCEPTED

Apr. 10, 1915—NEAR COR SEVENTH and Williams, San Jose. M Meyers to J W Batdorf..... Apr. 18, 1907
Apr. 20, 1915—THE MEMORIAL Church in quadrangle. Stanford University Trustees to The McGilvray Stone Co....Apr. 15, 1915

MARIN, CONTRA COSTA AND SONOMA COUNTIES.

RESIDENCE—1½ story and base, frame, \$3,500. Mill Valley, Marin Co., Cal. Architects, Falch & Knoll, Hears' Bldg., S. F. Owner, Mrs. Quedness. The dwelling has been designed for a six-room house with large veranda and sleeping porches. A complete basement will be excavated. Interior of the dwelling will be finished in pine with hardwood floors in the living room and dining room. Bath room will be finished in tile. There will be a large open fire place in the living room with brick mantel. An automatic water heater will be installed. Exterior of the dwelling will be of lap-siding. Plans are now being prepared.

CHURCH—2 story and base, frame. Cost not stated. Sebastopol, Sonoma Co. Cal. Architect, W. J. Wythe, Central Bank Bldg., Oakland. Owners, Methodist Episcopal Church, Sebastopol. The building has been designed in the Mission style and will contain beside a large auditorium, a Sunday school room, pastor's study and social room. Interior finish will be of pine throughout. There will be heating and ventilating systems. Art glass windows will be installed. Exterior of the building will be covered with cement plaster on metal lath. Plans have been revised and new figures are now being taken.

JAIL—1 story, frame. Cost not stated. Pittsburg, Contra Costa Co., Cal. Engineer, Town Engineer George Oliver, Pittsburg. Owners, Town of Pittsburg. The Town Board of Trustees has ordered City Engineer Oliver to prepare plans and specifications for a temporary jail building. Further mention will be made of the work when bids are advertised.

SCHOOL HEATING AND VENTILATING SYSTEM—Cost not stated. Richmond, Contra Costa Co., Cal. Engineers, Leland & Healy, Richmond. Owner, City of Richmond. Plans have been completed for the heating and ventilating system which is to be installed in the Fairmont School. Bids are now being taken for the work and figures will be opened on May 11th at 8 p. m. Plans and specifications can be secured from the engineers at Richmond.

BRIDGE—Concrete and timber. Cost not stated. Santa Rosa, Sonoma Co., Cal. Engineer, County Surveyor, Santa Rosa. Owners, Sonoma County. Bids will be opened on May 11th for constructing a bridge over Santa Rosa Creek in accordance with one of two sets of plans recently adopted by the Supervisors. Plans and specifications can be secured from the County Clerk.

TRESTLE AND BRIDGE—Cost not stated. Martinez, Contra Costa Co., Cal. Engineer, County Surveyor

Arnold, Martinez, owners, Contra Costa County, County Surveyor Arnold is preparing plans and specifications for the erection of a long trestle over the stretch between Avon and Bay Point. There is also another bridge yet to be built along the route, plans for which Arnold is also arranging. Bids will probably be called at the next meeting of the Supervisors, according to Arnold's statements.

GYMNASIUM ADDITION—1 story, brick. Cost not stated. Fort Baker, Marin Co., Cal. Engineer, Constructing Quartermaster, Fort Mason. Owners, United States Government. Plans have been completed and figures are now being taken for an addition to the gymnasium building at Fort Baker. The building will cover an area of 85 by 88 feet with an L 15 by 33 feet. Two modern bowling alleys will be installed. Roof will be of slate. Plans are complete and figures are now being taken. Bids will be opened on May 18th. An official proposal appears in another column of this issue.

COMPLETION NOTICES

MARIN COUNTY.

RECORDED ACCEPTED
Apr. 23, 1915—SAN RAFAEL. J W
Cramer to Wm J Dwyer. Apr. 20, 1915

FRESNO, MODESTO STANISLAUS AND CENTRAL CALIFORNIA.

RESIDENCES—2, 2 story and base, frame, \$3,000. Fresno, Fresno Co., Cal. Architect, none. Owner, John Stark, 14 Effie street, Fresno. The dwelling will be erected in the Villa Addition and each has been designed to contain six rooms, bath and sleeping porch. Interior finish will be of pine with some elm panels. Hardwood floors will be used in the principal rooms. There will be a large open fire place in the living rooms. Mantels will be of tile or brick. Tile wainscot will be used in the bath rooms. Automatic water heaters are specified. Exteriors of the houses will be covered with rustic and cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor.

RESIDENCE—1 story and base, frame, \$2,000. Fresno, Fresno Co., Cal. Architect, none. Owner, G. C. Cannon, 312 Abby, Fresno. The dwelling will be erected in the Belmont Addition, and has been designed to contain five rooms and bath. Interior will be finished in pine and redwood. Some oak floors will be used. There will be a large open fire place in the living room. Mantel will be of tile. Exterior of the dwelling will be covered with rustic and cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor. Materials are now being purchased.

RESIDENCE—1 story and base, frame, \$1,500. Fresno, Fresno Co., Cal. Architect, none. Owner, A. J. Sowles, 2804 Madison street, Fresno. The dwelling will be erected in Bartlett Heights, and has been designed to contain five rooms and bath. Interior finish will be of pine and redwood. Some oak floors are specified. There will be an open fire place in the living room with tile or brick mantel.

Exterior of the dwelling will be covered with rustic and cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor.

PASSENGER STATION—2 story and base, reinforced concrete, \$20,000. Modesto, Stanislaus Co., Cal. Architect, Engineering Department Southern Pacific Co., Flood Bldg., S. F. Owners, Southern Pacific Co. The Railroad Commission has granted the S. P. Co. an extension of time for building a new depot at Modesto. As has been previously stated the building will be of reinforced concrete construction, containing waiting rooms, a freight handling department and baggage room. The design is in the Mission style. The exterior will be covered with cement plaster.

STREET PAVING—Cost not stated. Tulare, Tulare Co., Cal. Engineer, City Engineer, Tulare. Owners, City of Tulare. Because the Federal Construction Co., Sharon Bldg., S. F., did not start work within 15 days after the award of contract for doing certain paving work in this city, the new Board of Trustees has instructed the City Clerk to inform the Federal Co. that their contract is now invalid.

SEWER WORK—Cost not stated. Bakersfield, Kern Co., Cal. Engineer, City Engineer, Bakersfield. Owners, City of Bakersfield. No bids were received by the City Council of this city for the completion of the Myrtle street sewer. New bids will probably be called for.

DYKE CONSTRUCTION—Cost not stated. Taft, Kern Co., Cal. Engineer, Engineering Department Standard Oil Co., S. F. Owners, Standard Oil Co. The Standard Oil Co. is preparing to build a new catch basin beyond the gap of the McNee lease, that all danger may be obviated should any of its tanks burst. This basin is to be built so as to stop the flow of the 2,000,000 barrel tank farm on section 16, between the Buena Vista and Elk Hills. Bids are now being received for the work. The contract calls for the moving and placing of 20,000 yards of dyke, the dyke to be about half a mile in length.

SCHOOL—1 story, frame. Cost not stated. Reedley, Fresno Co., Cal. Architect, Ernest J. Kump, Fresno. Owners, Alta School District. The building has been designed for a rural school and will contain two class rooms. Interior will be finished in pine. Exterior of the building will be covered with rustic and shiplap. Plans are now being prepared.

BUILDING CONTRACTS

FRESNO COUNTY.

DWELLINGS

LOTS 24 AND 25 BLK 3 Villa Addition, Fresno. Two dwellings.

Owner.....John Stark, 14 Effie St., Fresno.

Architect...None.

Day's work. COST, \$3000

BUNGALOW AND GARAGE

LOTS 5 AND 6 BLK 2 Van Ness Park, Fresno. All work for bungalow and garage.

Owner.....Geo. Haines.

Architect...None.

Contractor..J. R. Church 1221 U St., Fresno.

Filed Apr. 27 '15. Dated Apr. 27, '15.

Foundations laid and floor joists in place\$500
Frame up, roof on and ready for plastering 500
Completion of both buildings... 500
Usual 35 days..... 748

TOTAL COST \$2248

Bond, none. Limit, 70 days. Forfeit, \$10. Plans and specifications filed.

DWELLING

LOTS 5 AND 6 BLK 2 Van Ness Park, Fresno. All work for dwelling.

Owner.....J. R. Church, 1221 U St., Fresno

Architect...None.

Day's work. COST, \$2248

DWELLING

LOTS 15 AND 16 BLK 10 Belmont Add'n., Fresno. Dwelling.

Owner.....G. C. Cannon, 312 Abby, Fresno.

Architect...None.

Day's work. COST, \$1700

DWELLING

LOT 17 BLK 2 Bartlett Heights, Fresno Dwelling.

Owner.....A. J. Sowles, 2804 Madison, Fresno.

Architect...None.

Day's work. COST, \$1300

LIENS FILED

FRESNO COUNTY.

RECORDED AMOUNT

Apr. 26, 1915—LOTS 11 TO 14 BLK 64, Fresno. C B Phillips vs T C White

.....\$26

Apr. 22, 1915—LOTS 12, 13, 14 BLK 70, Fresno. C E Metzger vs Roeding Estate Co and C M Wright...\$33

SACRAMENTO, STOCKTON AND NORTHERN CALIFORNIA.

PRISON COMPLETION, CELL HOUSE—2 story, reinforced concrete, \$60,000. Folsom, Sacramento Co., Cal. Architect, State Architect, George B. McDougall, Sacramento. Owners, State of California. Senator Cohn's two bills to appropriate the sum of \$60,000 for the completion of the new cell house at Folsom Prison have been passed by the Senate, and it is said will meet with no further objection. At the present time the cell house is badly overcrowded, and the completion of the building is an absolute necessity.

SUPPLY STATION AND OIL TANK

—Cost not stated. Lodi, San Joaquin Co., Cal. Engineer, Engineering Department of the Shell Oil Co., 343 Sansome street, S. F. Owners, the Shell Company. The local manager of the Shell Co. has requested the City Trustees for permission to locate several supply stations throughout the city. The company will also start the erection of a number of steel oil tanks and the building of a spur track 100 feet in length within the next few weeks.

WATER SYSTEM IMPROVEMENTS

—Cost not stated. Woodland, Yolo Co., Cal. Engineer, Engineering Department Yolo Water and Power Co., Woodland. The Yolo Water and Power Co. has decided to erect a number of permanent buildings at Woodland to house its machinery and sup-

plies. An entire block of land has been purchased at the site. Willis Pike is general manager of the company at the Woodland office.

STORM WATER SEWER—\$200,000. Stockton, San Joaquin Co., Cal. Engineer, City Engineer, H. T. Compton, Stockton. Owners, City of Stockton. Action on the construction of this system is expected immediately. A bond election will be held in the month of June to raise the necessary funds with which to complete construction. From present indications the issue will carry by a large majority. When bonds have been sold bids will be called.

Contracts Awarded.

SEWER CONSTRUCTION—\$81,052.48. Sacramento, Cal. Engineer, City Engineer, Sacramento. Owners, City of Sacramento. Contractors, James Kennedy Co., Los Angeles. Contract price, \$81,052.48.

WATER MAIN EXTENSION—\$593,528.59. Sacramento, Cal. Engineer, City Engineer, Sacramento. Owners, City of Sacramento. Contractors, Schaw-Batcher Co., S. F. Contract price, \$593,528.59.

STATE HIGHWAY CONSTRUCTION—Costs as follows. California. Engineer, State Highway Commission, Forum Bldg., Sacramento. Owners, State of California. Contractors, Frank L. Smith, Eureka. Contract price, \$92,435.00. Monterey Co. Div. 5, Route 2, Sec. H. T. M. Burns, Sacramento, \$30,662. Monterey Co., Div. 5, Route 2, Sec. A. Twohy Bros., S. F., \$39,729. Sonoma Co., Div. 4, Route 1, Sec. C. Bates, Borland & Ayer, Oakland, Contra Costa Co., Div. 4, Route 14, Sec. A.

State Highway Bids Opened, Sacramento.

At Last Meeting of the State Highway Commission Bids Were Opened For Five Large Contracts.

Bids were opened at the last meeting of the State Highway Commission in Sacramento for state highway construction in Monterey County, Sonoma County and Contra Costa County. The work includes three pieces of highway in Monterey and one in each of the other counties. Following is a complete list of the bids opened together with a list of the materials furnished by the State and the Highway Commission's estimated cost:

Monterey County, Div. 5, Route 2, Sec H
C. H. & A. W. Gorrill, Okd., \$127,322.65
Bates-Borland & Ayer, Okd., 112,022.60
Highway Paving & Constr.
Co., Palo Alto..... 111,430.90
L. F. Gerdetz, S. F..... 103,207.15
Jas. Fitzpatrick, Sacramento 116,645.50
A. C. McLean Con. Co., S. F., 127,874.00
C. H. Hudson, Los Angeles.. 102,564.50
Hoffman & McLaren, Okd., 94,678.90
F. Rolandi, S. F..... 125,490.00
Sandercock Transfer Co., San
San Luis Obispo..... 123,682.80
Mahoney Bros. & Allinson &
Cole Constr. Co., S. F..... 137,366.10
Frank L. Smith Co., Eureka. 92,435.20
Towhy Bros. Co., S. F..... 98,693.30
W. A. Dontanville, Paso
Robles 144,154.00
Mesmer & Rice, Los Angeles 115,770.92

W. B. Hunt & Sons, Alameda 112,492.60

Engineer's Estimate, \$108,094.48

Materials furnished by the State;
Pipe railing, reinforcing steel, cor-
rugated iron pipe and Portland cement.
Total, \$38,931.40.

Monterey Co. Div. 5, Route 2, Sec. E.

Jas. Fitzpatrick, Sacramento, \$64,965.00
W. A. Dontanville Paso Robles 90,808.75
Highway Paving & Constr.

Co., Palo Alto..... 51,393.25
Bent Bros., Los Angeles (in-
formal) 71,882.10

Engineer's Estimate, \$66,870.78.

Materials furnished by the State:
Pipe railing, reinforcing steel, cor-
rugated iron pipe and Portland cement.
Total, \$25,466.60.

Monterey Co. Div. 5, Route 2, Sec. A.

A W Dontanville, Paso Robles, \$39,908.25
Jas. Fitzpatrick, Sacramento. 39,074.20
Lon. G. Hare, Salinas..... 35,558.20
Highway Paving & Constr.

Co., Palo Alto..... 30,829.75
Petersen & Grier, S. F..... 34,833.00
T. M. Burns, Sacramento..... 30,662.00

Engineer's Estimate, \$45,769.20

Materials furnished by the State,
Pipe railing, reinforcing steel, cor-
rugated iron pipe, Portland cement,
sand and coarse aggregate and rock
for rubble masonry. Total, \$28,472.99.

Sonoma Co., Div. 4, Route 1, Sec. C.

L. F. Gerdetz, S. F..... \$45,858.800
W. B. Hunt & Son, Alameda. 45,893.00
Bates-Borland & Ayer, Okd., 48,857.00
Jas. Fitzpatrick, Sacramento. 57,593.50

Marin Rock Co., San Anselmo. 40,080.10
Hoffman & McLaren, Okd., 45,955.00
Fairbanks & Baechtel, Willits 55,969.50
Petersen & Grier, S. F..... 54,521.00

Twohy Bros., S. F..... 39,729.00
Blanchard-Brown Co., S. F.... 52,619.50

Engineer's Estimate, \$54,332.90.

Materials furnished by the State;
Pipe railing, reinforcing steel, cor-
rugated iron pipe Portland cement,
sand and coarse aggregate. Total,
\$31,567.90.

Contra Costa Co. Div. 4, Route 14, Sec. A.

Bates-Borland & Ayer, Okd., \$28,082.50
Hoffman & McLaren, Okd., 32,668.00
T. M. Burns, Sacramento..... 34,928.00
Petersen & Grier, S. F..... 34,236.00

Jas. Fitzpatrick, Sacramento. 38,851.50
Taylor & Berliner, Los Angeles 32,098.00
W. J. Schmidt, Berkeley..... 32,138.50
Twohy Bros., S. F..... 28,551.70

Blanchard-Brown Co., S. F.... 40,725.00

Engineer's Estimate, \$34,756.45

Materials furnished by the State;
Pipe railing, reinforcing steel, cor-
rugated iron pipe, Portland cement,
sand and coarse aggregate. Total,
\$27,645.11.

BUILDING CONTRACTS

SACRAMENTO COUNTY.

APARTMENTS

NO. 1515 TWENTY-SECOND ST., on S
¼ of Lot 1, O, P, 22nd and 23rd Sts.,
Sacramento. Four apartment tene-
ment house.

Owner.....Mrs. A. M. Jensen, 2204 O
St., Sacramento.

Architect...None.

Contractor..G. E. Harvie, 2212 T St.,
Sacramento.

COST, \$5000

ADDITION

NO. 323 O ST., on E ½ of N ½ of Lot
6, N, O, 3rd and 4th Sts., Sacramento

Addition to residence making two
flats at rear.

Owner.....Domenico Moris.

Architect...None.

Contractor..Peter Leoni, 1330 V St.,
Sacramento.

COST, \$1400

REMODEL STORE FRONT

NO. 722 K ST., on E 20 feet of N ½ Lot
3, K, L, 7th and 8th Sts., Sacramento.
Remodel store front.

Owner.....E. W. Meyers Co.

Architect...R. A. Herold, Forum
Bldg., Sacramento.

Contractor..Siller Bros., 1614 13th St.,
Sacramento.

COST, \$1000

FINISH BASEMENT, ETC.

NO. 3023 L ST., on E ½ of Lot 6, K, L,
30th and 31st Sts., Sacramento. Fin-
ish basement and make 5 rooms in
residence.

Owner.....Wm. Stewart, Premises.

Architect...None.

Contractor..Wm. Oughton, 1822 13th
St., Sacramento.

COST, \$800

NOTICE OF NON-LIABILITY.

SACRAMENTO COUNTY.

Apr. 23, 1915—LOT 1213 of Amd
Wright & Kimbrough Trct No. 25,
Sacramento. Wright & Kimbrough
as to improvements on leased
property

LOS ANGELES AND SOUTHERN CALIFORNIA.

SUPERINTENDENT'S RESIDENCE

—2 story and base, frame, \$8,749. Pat-
ton, San Bernardino Co., Cal. Architect,
State Architect George E. McDougall,
Sacramento. Owner, State of California.
Bids opened by the State Department
of Engineering for the construction
of a two-story and base superinten-
dent's residence at the Southern State
Hospital show John Mullin low at \$8,-
700, and L. G. Bergren & Son of San
Francisco second low at \$8,749. Ber-
gren & Son will be awarded the con-
tract as they offered to complete the
building in considerable less time. A
complete list of these figures will be
found under the heading of Los An-
geles and Southern California in this
issue.

STREET PAVING, ETC.—Cost not
stated, Calexico, Imperial Co., Cal. En-
gineer, City Engineer, Calexico. Own-
ers, City of Calexico. Plans have been
completed for street paving, side-
walks and gutters. Bids will be open-
ed on May 11th. Plans and specifica-
tions can be secured from the City
Clerk.

STORM WATER SEWER—\$20,000.
Riverside, Riverside Co., Cal. En-
gineer, City Engineer, Riverside. Own-
ers, City of Riverside. All bids re-
ceived for the building of the big
Market Street-Fairmount Boulevard
storm drain have been rejected by the
City Council. New bids will be called
for. The low bidders on this work
were Mlagenovich & Gillespie of Los
Angeles, \$23,421.54.

RECLAMATION WORK — Cost not
stated. Payson City, Utah. Engineers,
U. S. Reclamation Service, Provo, Utah.
Owners, United States Government.

Bids will be opened on May 19th for approximately 25,000 cubic yards of excavation and 3,000 cubic yards of reinforced concrete work. Plans and specifications can be secured from the U. S. Reclamation Service at Provo, Utah. An official proposal appears in another column of this issue.

BRIDGE—Reinforced concrete and steel, \$20,000. Santa Barbara, Santa Barbara Co., Cal. Engineer, City Engineer Archie B. Cook, Santa Barbara. Owners, City of Santa Barbara. Engineer Archie B. Cook is completing plans for a bridge to be erected over Mission Creek on Carrillo street. The cost will be about \$20,000. Bids will be called for shortly.

Contracts Awarded.

COUNTY HIGHWAY — \$15,966.50. Riverside, Riverside Co., Cal. Engineer, County Surveyor, Riverside. Contractor, J. S. Hilland, Anaheim. Contract price, \$15,966.50.

STREET PAVING—Macadam, \$11,397.43. Riverside, Riverside Co., Cal. Engineer, City Engineer, Riverside. Owners, City of Riverside. Contractors, Johnson-Shea Co., Riverside. Contract price, \$11,397.43.

ADMINISTRATION BUILDING AND PRESS BUILDING—2 and 4 story and base, reinforced concrete, \$208,100. Atascadero, San Luis Obispo Co., Cal. Architects, Bliss & Faville, Balboa Bldg., S. F. Owners, Atascadero Colony. Contractors, F. O. Engstrom Co., 5th and Seaton streets, L. A. Contract price, Administration building, \$167,300; Press building, \$14,800.

Bids For Residence At Patton Hospital

Second Low Man Will Probably be Awarded Contract on Account of Difference in Time.

SACRAMENTO, CAL., April 28th, 1915.—Bids opened by the State Department of Engineering for the construction of a two-story and basement frame Superintendent's residence at the Southern State Hospital at Patton show John Mullin low at \$8,700 and L. G. Bergren & Son second low at \$8,749. Bergren & Son will probably be awarded the work as they offer to complete the building in less time. Following is a complete list of the bids received:

Residence at Patton.

John Mullin	\$ 8,700
L. G. Bergren & Son.....	8,749
John Harnning & Co.....	9,000
Cresler Mfg. Co.....	9,466
R. S. K. MacMillen.....	9,500
G. Hanson	10,410
The Kling Co.....	10,490
J. C. Beers.....	13,935

PORTLAND AND OREGON

WAREHOUSE—6 story and base, reinforced concrete, \$70,000. Portland, Ore. Architects, Jacobberger & Smith, Board of Trade Bldg., Portland. Owners, Doernbecher Manufacturing Co., Portland. The building will be erected on East 28th street at the junction of the Oregon-Washington Railroad & Navigation Company, and will cover an area of 100 by 150 feet. Construction will be of reinforced concrete

E. H. Williams

Chalmer Munday

Munday & Williams Attorneys-at-Law

Special Attention Given to Building
(Law and Bankruptcy Cases)

Telephone Sutter 4622

615 Phelan Building, San Francisco

throughout and will be fireproof. Interior finish will be used only in the portion of the building which will be occupied by the officers of the company. There will be elevator service, special power equipment and plumbing. Metal window sash and frames will be used. Exterior of the building will be faced with cement plaster. Plans are complete and in the hands of the owner who will let segregated contracts for the work.

WAREHOUSE ADDITION—3 story, reinforced concrete, \$70,000. Architects, MacNaughton & Raymond, Title and Trust Bldg., Portland. Owners, Marshall-Wells Hardware Co. The present three story and base reinforced concrete building located at the corner of 14th and Kearny streets will be enlarged by the addition of three stories of similar construction. The warehouse covers an area of 200 by 260 feet. The present freight and passenger elevators will be extended. An automatic sprinkling system will be installed and a gravity conveyor. Interior finish will be of pine. Metal window sash and frames are specified. Exterior of the building will be faced with cement plaster. Plans are being prepared. Figures will be called for shortly.

WAREHOUSE—3 story and base, brick, \$30,000. Portland, Ore. Architects, Root & Kerr, Henry Bldg., Portland. Owner, D. P. Thompson. The building will be erected at the corner of Irving and 15th streets, and will cover a considerable ground area. Interior finish will be of pine. Plans provide for a central heating system, automatic sprinkler and a large

Wybro

Reg. U. S. Pat. Office
The Panels that are
as good as they are
famous.

White Brothers

5th and Brannan Streets

San Francisco

"Service First" --Wybro.

WYBRO QUALITY PANELS stand for **service first**—service because of their smooth and even qualities—**service** because these panels never blister or crack—and **service** first and always because they will outlast any other panels made.

Insist on getting WYBRO PANELS—the panels with the everlasting SERVICE.

Williamson's Continuous Clothes Line Outfit

Clothes Line Problem Solved At Last

DOUBLE your line space, use all the line. No empty top line, keeps the clothes free from the soiled line, making it Sanitary. Take clothes off any part of line without removing the wet clothes.

CONSTRUCTION: The pulleys are made of cast iron galvanized; so constructed as to allow the patent clothes pine to pass through carrying the clothes around the pulleys, thereby using both lines.

BY using three pulleys, the lines are spread apart as shown in the picture and allows you to put clothes on or take them off the line without hanging out of the window side-ways. The clothes pin is made of heavy galvanized wire formed in such a manner as to allow it to be fastened to the clothes line very easily; nothing complicated to get out of order. Holds the clothes free from the line so the lines need not be covered with cloth-strips in order to keep the clothes from being soiled from the line. The strongest wind cannot blow the clothes out of the pins as they are held in a spring slot. When the wind blows it pulls the clothes deeper into the slot holding them tighter.

NO SPRINGS TO PRESS OR SQUEEZE
to get the clothes in or out. Just slip clothes in slot and pull down. WILL hold the daintiest fabrics or the heaviest blanket. 1340 Mission St. Phone Mkt. 4008.

THIS OUTFIT CONSISTS OF 3 DOZEN
Sanitary, Stronghold, Clothes Pins, 3 Continuous
Clothes Line Pulleys and 1 Pair Line Splicers.
Price, \$2.00 per Set.

freight elevator. Exterior of the building will be faced with stock brick. Plans are complete and figures are now being taken.

BRIDGE APPROACH — \$112,988. Portland, Ore. Engineer, Interstate Bridge Commission, Portland. Owners, States of Oregon and Washington. Bids opened for the second approach to the interstate bridge, the approach being on the Oregon side, show the Standard American Dredging Company of Oakland, Cal., low on their bid of \$112,988. All bids received were referred to the engineers for report.

SEATTLE AND WASHINGTON

Contracts Awarded.

SCHOOL—4 STORY AND BASE. Reinforced concrete, \$25,556. Everett, Wash. Architect, W. W. Hastings, Everett. Owners, Everett School District No. 24. Contractor, A. P. McAdams. Contract price, \$25,556.

THE WAR'S OPPORTUNITIES TO MAKE AMERICA MINERALOGICALLY INDEPENDENT.

(Synopsis of Discussion by George Otis Smith, Director, United States Geological Survey, before New York Section of American Institute of Mining Engineers, New York, March 5, 1915.)

"For more than half a year we have watched the adjustments and readjustments of American industries to meet new conditions. Six months ago the United States Geological Survey suggested, by the publication of Bulletin 599, the extent to which America's mineral reserves could be drawn upon to meet the emergency and indeed to strengthen the position of the United States as a world power in industry and commerce. Today, as a nation, we face an even greater crisis in our commercial relations, so that a discussion of national independence is especially opportune.

"As a nation we began with a declaration of independence leading to an experiment in statecraft—popular government on a large scale in a string of colonial settlements connected only in a crude way by post roads and coastwise sailing vessels, and perhaps even more feebly united by bonds of common race or creed. Yet that political independence was the breath of life in the new nation, and the ideal then set up attracted the best human material from all lands. Thus we may say was developed America's greatest resource, a progressive citizenry.

"The other element necessary to make America great in material resources—the earth and the fullness thereof. I do not discount the wealth of our forests, which have contributed so largely to our foreign and domestic trade since colonial days, nor do I disregard the bounty of our soil, which enables us in these days of waste and war to feed the peoples of Europe as well as ourselves, yet I believe the mineral wealth of the United States is in largest measure the foundation of the marvelous growth of the last few decades. Industrial America!—think to what degree the industries of America are based on our ores and mineral fuels, or figure, if you will,

the percentage of railroad tonnage that originates at the mine.

"Not only is our country a world leader in the output of such essential minerals as coal, petroleum, copper, zinc, iron, lead, phosphate—and in three of these it exceeds all other countries put together—but as far as such things can be measured or estimated we are blest in the possession of the largest reserve of many of the more important of these minerals. No other country can, in any sense, compare with the United States in the degree of industrial independence afforded by the possession of these mineral resources. The raw material is at hand to enable us to win and maintain supremacy as a manufacturing nation.

"Cet under this 'most favored nation clause,' the catalogue of our mineral resources is not the complete list of minerals essential to modern civilization; a few items are missing, others are present apparently only in insufficient quantities, and the quality or locality of the deposits of still other minerals may be unfavorable to present-day utilization. Thus it happens that the nation is not wholly independent in its mineral industry, and no problem better deserves the attention of the American mining engineers than this, How can we fill these gaps and thus make America more truly independent?

"The catalogue of the products of our mines, quarries, and wells is long. The list of what we lack is short. We are wholly dependent on other countries for only four principal items—tin and nickel, potash and nitrate. Among the minerals of which the United States has a deficient supply are manganese, platinum, gems, and asbestos. Still other minerals it has heretofore been more profitable to buy abroad than to produce at home, such as chrome ore, barytes, flint pebbles, magnesite, mica, and graphite.

"These deficiencies create problems relating to three different types or classes of minerals. In the first class, tin and nickel only seem to present a hopeless outlook; and as a matter of fact the whole world is poor in tin. Especially is this scarcity felt in certain of the countries now at war, where the shortage due to cessation of imports is intensified by the increased use of tin in canning army supplies. But we can look to South America for tin ore and make its importation a foundation for profitable commerce with Bolivia. For nitrate we can continue to rely upon Chile, but we should develop our independence in respect to this mineral by the manufacture of nitrates from atmospheric nitrogen. Opportunities for cheap hydroelectric development will invite capital as soon as Congress will legislate. For potash the outlook is less certain; thus far only one potash-rich brine has been found—that of the Searles Lake deposits, in California—where potash occurs in even greater quantity than that at first estimated by the Geological Survey, but the problem of its commercial extraction has not yet been fully solved by the chemical engineer.

"The deficiencies of the second class, like manganese and platinum, are stimulating to the geologist and the engi-

neer, the one to discover, the other to develop. The recent find in southern Nevada of rich platinum-bearing gold ore constitutes a notable addition to the world's supply of this too rare metal.

"The third class of minerals, those which it has paid better to buy from foreign producers, probably furnishes the largest incentive for the effort to secure mineralogical independence. Here especially can the geologist and engineer co-operate. Magnesite, mica, and graphite, for example, are common minerals of which large deposits have been found in this country, yet up to the present time they have been large items of import from Austria, Canada, and India.

"As an encouraging instance of mineralogical independence, you may recall that only about ten years ago this country imported its sulphur from Sicily, whereas now, by reason of the work of one engineer, the United States leads the world in the mining of sulphur. Can not further success be expected in the utilization of mineral resources hitherto practically untouched?

"The substitution of certain minerals of domestic origin for those bought in foreign markets will bring us face to face with the problem of standardization. Price is not the last word with the manufacturer-consumer. This is a good time to drop any ideas we may have of industrial superiority and to copy for a while the industrial spirit of Germany, which systematized processes and standardized products until they won markets in every continent by sheer superiority.

"The outlook for successful endeavor by the American engineer seems very bright."

HELPING ALONG THE VISIBLE GOVERNMENT.

Reports of industrial conditions are valuable. Legislative bills drafted by experts in social service are valuable. But they have a closet or cloister value, chiefly. In the long run they may reach down to the everyday men in the street—as in the long run Kant's "Critique of Pure Reason" influenced the common thought of the common people. We all know what the long process of social legislation is—unless the demand for that legislation comes from an aroused and informed public opinion, a general public opinion.

Now, the great and distinctive public service of the United States Commission on Industrial Relations and of Mr. Frank P. Walsh, its chairman, is that the commission is providing the information on which the informed general opinion must be founded.

The man in the street can "get" Mr. Rockefeller's control of the natural resources and of the government in Colorado. He can "get" the testimony of landlords and tenants in the Texas cotton fields. He can get the fact that thousands of descendants of the men whom Abraham Lincoln freed would starve to death on the wages paid them by the corporation of which Robert T. Lincoln is executive chairman, unless the public gave them charity.

These and the hundreds of other significant industrial facts of the day, to which the industrial commission has given immediate publicity, might be

dug out of official records and official reports. But they are not dug out. They are of informing value to the small circle of sociologists and the larger but still small circle of leisurely people who are inclined to philanthropy or to Socialism. But there they stop, except for the slow filtering process into the minds of lawmakers and of the lawmakers' constituents.

But democracy does not get its work done that way. The men who put bills and public policies through for the people take their instructions, not from the experts, but from the people. They hold their ears to the grass roots. More or less benevolent "foundations" and more or less benevolent kingly governments may do things for "their people" by programs of which the people know nothing or little. But for the people to do things for themselves they themselves must know the facts that are good and the facts that are evil.

Mr. Walsh and the commission he heads are helping to set up the visible government as against the invisible government. They are supplying to the people the defensive and offensive weapons of fact. It is a crucial service to enable the people to form their own conclusions: to make their own mistakes, if need be; to base their own demands for reform and for new laws and new institutions upon their own knowledge.

Such service by the industrial commission and by Mr. Walsh may be a danger to special privilege. At least it is hoped that it is. But it is the essence of safety to democratic institutions and to popular government.—Kansas City Star.

THE GREAT SACRAMENTO VALLEY.

Underground Water Resources Investigated by United States Geological Survey in Co-operation with California.

No phase in the history of California is more striking and interesting than the economic and social changes which are now affecting the Sacramento Valley. These changes cover the whole field of human activity, and yet in a peculiar sense the control and use of water are vital factors which have a greater effect on the development of the valley than any of the great industries which have shown wonderful expansion throughout the whole country since the Civil War. Each step in the mastery of water adds impetus to the industry of agriculture, which after all is the foundation of prosperity.

The control of rivers for navigation and flood protection, the drainage of swamp lands, the harnessing of mountain streams for the production of electric power, and the use of both surface and underground water for irrigation and domestic purposes present problems that involve all the phases of hydraulic engineering. The solution of these problems is being accomplished with amazing rapidity, largely by private interests working under wise laws and under effective supervision and control by State and Federal bodies.

The large irrigable area in the Sacramento Valley and the extensive use

of ground water for domestic purposes, public supplies, and irrigation led the United States Geological Survey, in co-operation with the California State Department of Engineering, to undertake an investigation. A preliminary report by Kirk Bryan has just been issued by the Federal Survey as Water-Supply Paper 375-A. The Sacramento Valley contains 15 per cent of the agricultural land of the State. Only 3.5 per cent of the area was irrigated in 1912, when the investigation was begun, but it is estimated that at least 75 per cent, or 21 times that area, will ultimately be brought under water. These large possibilities have led to a rapid increase in the number of irrigation projects and an influx of men and capital from other parts of California to derive profit from the development of the land, their expectation being that the permanent future population will come from the Eastern States or from Europe.

Because of a mild climate, a concentrated winter rainfall, and a shallow water table, many field crops and deep-rooted plants thrive in this valley without irrigation. Water is not a necessity for crop growing; but it makes possible much larger yields, the cultivation of crops with a higher return to the acre, and the cultivation of certain lands otherwise chiefly valuable for grazing. Such advantages have appealed but lightly to owners of large holdings, who bought their land at a low price—perhaps \$1.25 an acre—but the crowding in of home seekers from the East, the diminishing profits of grain farming, and the great increase in land values have combined to bring about the subdivision and sale of many large parcels of land. To the purchasers of such tracts the advantages of irrigation appeal more strongly.

The report describes the water-bearing formations in the Sacramento Valley, the origin and movements of ground water, ground-water development, well and pumping problems, and methods of irrigation with well water. A copy may be obtained free on application to the Director of the Geological Survey, Washington, D. C.

The Geological Survey has also been engaged for a number of years in topographically mapping the Sacramento Valley in co-operation with the State, the work now being nearly completed and the maps published. An index of these maps, showing the areas covered, prices, etc., will be furnished free of cost by the Director of the Survey.

SINGLE GUTTERS FOR MODERN PAVEMENTS—A POSSIBLE ECONOMIC DEVELOPMENT.

With a view to bringing out a discussion of the relative advantages and disadvantages of single gutter construction for modern street pavements the following brief for the single gutter type of construction was presented by W. G. Kirchoffer of Madison, Wis., in a paper before the Illinois Society of Engineers and Surveyors, says Contracting and Engineering.

When roads and streets were first made in ancient times, it was necessary to make them of soft materials such as were found at the locality, gravel or broken stone. Their only means of drainage was to the side of the road, so naturally they crowned

the center. Later, when street pavements were introduced, it was a logical following that two gutters should be made at each side of the street. Such construction was a practical necessity with the materials with which the street pavements were made. But, today, with our hard materials, such as concrete, brick, asphalt and creosoted blocks such construction is not essential or necessary. We are not advancing with the times when we stick to this old method of building streets, especially a city pavement.

The use of two gutters is an antiquated idea. Why should the water and filth from a street be separated into two quantities? There is no logical reason for it. The crowning of a street does not even serve the purpose of dividing traffic, which is essential. The new form of street that should be adopted, if progress along this line is to be made, is a street with a single gutter in the center. The proposed construction would be to build a pavement with the surface the highest at the curbs and with a continuous even slope from each side to the center of the street.

Some of the advantages of a pavement constructed in this way are as follows:

- (1) The capacity of the pavement to carry storm water is many times that of a pavement constructed in the old way.
- (2) It will keep the dirt and filth in the center of the street where it was made and where it can be easily cleaned or washed away.
- (3) With this construction, it will be easier and more convenient to establish street grades to conform to existing conditions than it is with the present method of street construction.
- (4) It will be more economical in the cost of catch basins and sewers, as one or possibly two catch basins will take the place of four or more.
- (5) No need of deep gutters with costly gutter covers for sidewalks, which are an obstruction to the street.
- (6) Lower curbs or none at all in residence sections, except such as might be formed of sod.
- (7) Greater convenience in driving up to the curb. No mess of water, filth, papers, cigar stubs etc., to alight into from a carriage or auto.
- (8) More sanitary because storm water, or water from street washing would be more concentrated and therefore wash the street cleaner.
- (9) The appearance of the street will be improved from an aesthetic point of view.
- (10) Less crown (or anti-crown in this case) will be needed.
- (11) Street will be more easily cleaned, as debris will be concentrated in one windrow in place of two as now.
- (12) This form of street pavement will tend to divide traffic to right and left hand side of the street.
- (13) Great advantages on boulevard streets where four gutters are now necessary.

The possible disadvantages of this form of street pavement are: (1) A narrow street with street car tracks. The gutter would be between the rails, which would cause debris to accumulate in the wheel grooves. A wide street with car tracks would have two gutters, one on each side. (2) During heavy storms the water in the center of the street might be too deep to walk through, but this condition often oc-

ours where two gutters are constructed.

This idea of a single gutter is not original with me; it is often used in alleys and driveways with good results. I have been advocating this form of street for the past two or three months and hope to see some of the pavements constructed next season built along these lines.

ROADS AND ENGINEERING.

The increase in the United States Office of Public Roads and Rural Engineering, the name of which has changed from Office of Public Roads, is largely explained by the transfer to that office, under the plan of reorganization, of the Irrigation and Drainage Investigations, the work in investigating domestic water supply and drainage disposal, and the construction of farm buildings, and other rural engineering problems. This work will include investigating and reporting upon the utilization of water in farm irrigation and different kinds of power appliances, the development of equipment for farm irrigation, studies of water in ditches, pipes and other conduits, and the apportionment and measurement of irrigation water, and customs and laws affecting irrigation.

The office will of course continue its work of investigating methods of road making, character of road materials, and systems of road management and co-operating with communities in building roads and conducting field experiments in constructing or aiding in the construction of object-lesson roads of various types.

CIVIL SERVICE EXAMINATIONS FOR COMPENSATION INSURANCE FUND POSITIONS.

The California State Civil Service Commission announces examinations for Compensation Insurance Clerk, Stenographer, and Typist, to be held in San Francisco and Los Angeles, May 15, 1915.

These examinations are open to all American citizens residing in California, who comply with the requirements, but experience in an insurance office will be of great value to any candidate.

Application blanks and further information may be secured from the State Civil Service Commission, Forum Building, Sacramento. Completed applications must be filed with the Commission on or before May 10, 1915.

THE SHORT-PAID POSTAGE NUISANCE.

[Commercial Agent W. C. Huntington, Chicago, April 6.]

The subject of short-paid postage on foreign mail has been reported upon by consular officers at such length and with such frequency that further discussion would seem needless. That the practice still continues and possible purchasers of American goods still annoyed by the receipt of underpaid letters from the United States is shown by a communication from Mr. F. St. Austell, editor of the International Trade Developer, who writes:

This is to confirm what I stated to you yesterday with regard to American exporters sending letters to foreign countries underpaid. Mr. Dunn, secretary of the Pan American States Association, recently received from Mr. Wm. E. Jessup, a resident of Guatemala, a package containing 140 underpaid envelopes sent to him in one month by merchants of the United States who wish to sell their goods in Guatemala. Mr. Jessup states that his only reason for taking these 140 letters from the post office and paying the extra postage was that he might send the entire lot to Mr. Dunn as an object lesson to exporters. There appears to be absolutely no reason why any man should underpay any letters or why he should go to the extent of inclosing American stamps for prepaid reply from a foreign country.

ROAD BUILDING IN THE FORESTS.

The United States Forest Service, in addition to the definite sums allowed to it, is authorized to expend 10 per cent of all moneys received from sales of timber, grazing permits, and other resources of the forest domain for the construction and maintenance of roads and trails within the national forests in the States from which such proceeds are derived. These roads commonly are planned to connect the communities in these sections and so be of service to the people who are resident in the national forest areas.

AMERICAN FARMING IMPLEMENTS FOR CANADA.

[Consul Felix S. S. Johnson, Kingston, Ontario, Mar. 15.]

There is evidence on all hands that the business situation in Canada is improving. Undoubtedly one of the main factors in the situation has been the healthy condition of business in the rural communities. The farmers of Canada are, and have been for some time, in a sound and prosperous condition. Crops have been good for the last few years and prices have been high. The farmers of Canada have more money at their disposal than for a long time in the past because of this year's high prices on practically all farm products. Now is the time for the manufacturers of farming implements in the United States to conduct a strong campaign, not only through local papers but through energetic salesmen.

The average person who visits the Fine Arts Building will perhaps come to the conclusion that he can not appreciate painting as the majority of the pictures there will not appeal to him as expressing anything of beauty, or in fact expressing anything in particular. This is not the fault of the observer, however, but the faddism of the artist, if the painter of the pictures is entitled to that name, run wild. For there are landscapes there that nobody ever saw, perspectives that could not be found in topsy-turvy land and coloring that would frighten the cows out of the barn. This cubism and futurism that seems to be the latest fad may express some mood of the artist. In his mind's eye he may see just such a picture in the scene that he paints. If he does he must be full

of very bum wine, for some of them look like some fellow had started out to paint the town all kind of brilliant colors and had commenced on the canvas.

Seriously speaking a great many of these latest canvasses seem to have a value for decorative effect, but not as a picture in an art gallery.

To the ordinary person fine art would seem to occupy the same position that Hamlet defined that of the player to be: to hold the mirror up to nature and to portray in color the impressions of beauty that find expression in the artist's skill. These fads of cubism and futurism will no doubt pass after having had their short day. They will perhaps add something to sum total of expression in the fine arts. And the fine arts building itself contains enough of the work of the masters to interest the average man even if he does not appreciate the latest fad of the modern school.

THE NATIONAL PRODUCTION.

So glibly has it been said, and so frequently that production is no longer a problem, but only distribution is a problem, that it is encouraging to note now the swing back to the question of production. The conservation movement, the President's message about "unlocking our resources" and so on, all are for putting back the old better proportion between producers and consumers. Even without the European war many causes have contributed to making it essential that the Nation should better organize its natural resources and its labor power for producing wealth. Not every state is an agricultural Kansas. And not every year in Kansas produces its 181 million bushels of wheat or its 155 million bushels. And not every period finds men at work in the factories as in the period of returning prosperity. Our national job for production is more and more to substitute order and regularity for haphazard hit or miss methods.—Kansas City Star.

Governor Johnson has signed the bill providing for the construction of roadways by convict labor. In signing it he stated that he looked toward the larger humanitarian effect of such employment rather than to any economic advantage that might accrue to the State. In States where prison labor is so employed it has proven a success to all concerned. Every country, especially the mountain states need more and better roads. And no matter what amount of money may be spent on their construction there will be for generations yet to come vast areas of the state in vital need of better means of communication. There is then no competition with free labor in this regard and the economic advantage is that the state will get roads constructed that it would not otherwise have.

The humanitarian effect will be that those who, by good behavior are entitled to reward, will be taken out of the prison cells and the jute mill and be permitted to work in the free air and sunshine. This will give opportunity for wholesome surroundings and remove the depressing effect of the dungeon. It is a step in the right direction and its effects should be beneficial to all concerned.

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The constitutionality of the present Mechanics Lien Law will soon be passed upon by the Supreme Court. The "Builder" is in receipt of a brief on the subject filed by Messrs Oliver & Jacobs, Attorneys for the California Building Law Association, as parties interested in the case of the Hammond Lumber Company vs F. S. Willis et al. The law is up for consideration on two cases on appeal from the Los Angeles Superior Court and the question of the constitutionality of the direct lien and the validity of the 50 per cent bond provision are both to be considered. From the brief submitted we have every confidence that the law will be held valid.

The New York Times has caused to be introduced into the legislature of the State of New York a bill making it a misdemeanor for the manager of any licensed theatre to exclude any class. The reason for the measure was because of the theatrical managers excluding new paper critics who

did not boost their shows. In the State Senate the bill was referred to person from such theatre without just the Committee on Codes and without notice to anybody the committee held a meeting with only five members present and four of them voted not to report the bill out from the committee.

The incident is interesting in that it shows to what a base commercialism the newspaper business has fallen. When a newspaper of such standing as the Times formerly was, can be openly flouted by the politicians it shows that their influence is little feared; they do not stand together, and that when such interests as the theatrical trust are attacked the newspapers do not and will not stand together.

W. R. Nelson, the editor and owner of the Kansas City Star, has recently died. He was known and respected all over the land. He gained his reputation and made the "Star" the great paper that it is, because he stood for something and he battled consistently for what he believed to be right. When the theatrical managers tried to throttle his criticism he cut them out altogether. He refused their advertisements and their shows came and went unnoticed, so far as the "Star" and the reading public was concerned. Even Maude Adams who played at a theatre that had attempted to coerce the "Star" was passed unnoticed. And the result was that when Nelson died he left the greatest newspaper in the land and a name that will live among the great editors of history.

General dislike for American doesn't prevent the other nations from coming around at feeding time.

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Foster-Vogt Co.
Garden Co., Frank
M.
Ginley, Ed.
Glaze, Robert
Gleeson, James
Gompertz, C. W.
Gutleben Bros.
Halling, B. R.
Hamerton & Son,
Wm. C.
Hamilton, Peter
Hansen, C. W.
Healing, George
Healy - Tibbitts
Constr. Co.
Heaphy, J. J.
Heckenroth &
Schell
Hennings, Adolf
Hemminga, W. L.
Henning, W. H.
Hill, J. A.
Holt, O. C.
Johanson, J. Eric
Johnson, Joel
Jones, Fred C.
Klenck, F. J.
Klyce, Harvey A.
Koenig, C. J. U.
Kohn, Alfred
Koenig, L. B. G.
Kress, S. B.
Kuykendall, J. O.
Lange & Berg-
strom
Lansing, Frank P.
Larsen & Larsen
Linden, William
Lindgren Co.
Lindsay, Chas. M.
Lynch, P. J.
MacMillen, R.S.K.
MacDonald &
Kahn
Mager Brothers
Martin, William
Masow & Morris-
son
McClenahan &
Co., T. W.
McLean, Neil
Mitrovich, J. I.
Moore Bldg Co.
C. P.

Moore & Burlin-
game
McLaughlin, Jas.
L.
McLeran & Peter-
son
McMullin - Von
Voorhies Co.
Monk, J.
Monson Bros.
Munster & Born-
holdt
Neidick, Frank
Newsom, Wm. A.
Nielsen, N. F.
O'Brien, J. J.
Olson, Andrew
Owsley, Burt T.
Pettersson & Pers-
son
*Pratt, J. J.
Quinn, P. P.
Ransome Concrete
Co.
Rednall, W. W.
Reese & Rourtree
Reite, J. B.
Roland, F.
Rushton, C. A.
Sauer, Adam
Saywell, Sylvester
Schulz, J. E.
Sjogren Brothers
Siller Brothers
Spidel, P. F.
Stockholm & Al-
lyn
Strehlow, Freese
& Peterson.
Taylor & Goerlicke
Terrill, W. A. &
C. C.
Tessmer, H. A.
Thurston & Co.,
E. T.
Trout, Robert
Van Sant-Hough-
ton Company
Vezina, L. N.
Walker, G. H. &
Seth
Ward & Goodwin
Wenderling, J.
Witzelberger, J.
Williams Bros. &
Henderson
Wold, C. L.
Wright, G. A.*
Wright, Chas.
*Honorary Mem.

Architectural Iron
Works.

Brode Iron Works

Eureka Wire &
Iron Works

Hillard & Co., C.
J.

Kell Iron Works

Leutholdt & Co., M

Monarch Iron
Works

Michel & Pfeffer

Palatina Iron Wks

St. Francis Orn.

Iron Works

Sartorius Co.

Palatina Iron
Works

St. Francis Orn.

Iron Works

Ralston Iron
Works

Vulcan Iron Wks.

Western Iron Wks

West Coast Wire
& Iron Works

Arch. Sheet Metal
Works.

S. F. Metal Stamp-
ing & Corr. Co.

U. S. Metal Prod-
ucts Co.

Arch. Terra Cotta.

Calif. Pottery Co.

Carnegie Brick &
Pottery Co.

Clark & Sons, N.

Diamond Brick Co
Gladding - Mc-
Lean Co.
McNear Brick
Steiger Terra Cot-
to Co.
United Materials
Co.

Art Ceilings.

Berger Mfg. Co.

Art Glass.

Grosslicht & Din-
niene

Pioneer Plate &
Window Glass
Co.

Schwarz & Gott-
lieb

Artistic Plaster
Decorations.

Benkman, Ed. G.

Banner Theodore
Larson, O. F.

Lipp & Co., I. P.
Co.

Asbestos Materials

Johns - Manville
Co., H. W.

Magnesia Asbes-
tos Supply Co.

Western Asbestos
Magnesia Co.

Western Builders'
Supply Co.

Asphalt & Bitum-
inous Paving.

Coyle, Jos. A.

Nugent, Robinson

Attorneys.

Aitken & Aitken

Perkins, Geo. R.

Auto Delivery.

Federal Transfer
& Dray Co.

Peerless Motor
Dray Co.

Star Con. Co.

Automobile
Supplies.

Burgers, Fred W.

Knowles, T. C.

Boilers.

Peerless Agencies
Company.

Boiler & Pipe Cov-
ering.

Johns - Manville
Co., H. W.

Lewis, W. S.

Magnesia Asbestos
Supply Co.

Western Asbestos
Magnesia Co.

Bonds & Insurance
Agency Company

Aetna Life Ins. Co

Brown, Carl G.

Costello & Cutler
Glass, Samuel

Guyett & Co., R.
G.

Hayburn, Jas. C.

Illinois Surety Co.

Hughes, Chas. T.

Kohlberg, A. M.

Lloyd & Spengler

McMeans, H. V.

Meherin & Son,
Mark M.

Pacific Coast Cas-
ualty Co.

Schnee, Gustave

Schweinhart, G.
W.

Webster Co., Per-
cy V.

Brick Contractors

Anderson & Rai-
ney

Alexander, Rebt.

Beagle, S. A.
Buckley, Jos.
Collin, Jean
Drake, H. L.
Finilla, M. A.
Gilbertson, L.
Hogberg & Lud-
wig
John, F. A.
Koldenstrott, F.
Mealey & Collins
Reed & White
Tingberg, John
Whitney & Davies

Brick Dealers.

Bay Develop. Co.
Cal. Brick Co.
Cal. Pottery Co.
Carnegie Brick &
Pottery Co.
City Supply Co.
Clark & Sons, N.
Diamond Brick Co
Tile Co.

Gladding - Mc-
Lean Co.

McNear Brick

Agency

Steiger Terra Cot-
ta & Pottery Wks

United Materials
Co.

Western Develop-
ment Syndicate

Western Lime &
Cement Co.

Builders

Instruments.

Keuffel & Esser Co.

Building Journals

Building and In-
dustrial News.

Daily Pacific
Builder

Building Materials

Alsen's Portland
Cement Co.

Baker & Hamil-
ton

Bay Develop. Co.

Berger Mfg. Co.

Cal. Brick Co.

Cal. Bldg. Mate-
rial Co.

Cal. Pottery Co.,
Inc.

City Supply Co.

Carnegie Brick &
Company.

Cowell Lime and
Cement Co., H.

Diamond Brick Co

Dwan Co., J. E.

Falls Mfg. Co.

Fuller & Co., W.P.

Gladding - Mc-
Lean Co.

Gross Co., Felix

Guerin & Co., J. S.

Holloway Exp.

Metal Lath Co.

Holmes Distrib-
uting Co.

Johns - Manville
Co., H. W.

Jorgensen & Co., C

Kinnear Mfg. Co.

Lennon Co., J. E.

Levy, Robt. S.

Mapes, Sanford N.

Meyer, Adolph

Pac. Bldg. Mate-
rials Co.

Pac. Portland Ce-
ment Co.

Paraffine Paint Co

Parrott & Co.

Roman Co., C.

Ryan, George

S. F. Lime Co.

Shannon, M. T.

Simon-Fout Brick
Co.

Standard Portland
Cement Co.

Stelger Terra Cot-
ta & Potry Wks

Stoner, O. W.

Waterhouse &
Price Co.

Western Asbestos

Magnesia Co.

Western Builders'
Supply Co.

Western Develop-
ment Syndicate.

Western Lime &
Cement Co.

Whittier - Coburn
Co.

Woods & Hud-

Card File Co.
Architects' Card
File Co.

Cement Dealers.

Alsen's Portland
Cement Co.
City Supply Co.
Cowell Lime &
Cement Co.

Dwan & Co., J. E.
Guerin & Co., J. S.
Lennon Co., J. E.
Lilley & Thurston
Co.

Meyer, Adolph
Pacific Portland
Cement Co.
Standard Portland
Cement Co.

Waterhouse &
Price Co.
Western Lime &
Cement Co.

Chimneys, Patent

Clawson Co., L. E.
Dresser - McDon-
nell Co.
Hughes, H. J.

Clay Products.

Cal Brick Co.

Cold Storage Insu- lation

Van Fleet, M. V.

Concrete Contrac- tors.

American Con-
crete Co.

Amorsen Co. A & T

Barrett & Hilp

Bluxome & Co.

Camp & Carrillon

Chase, S. A.

Coyne, Jos. A.

Crescent Concrete
Co.

Daniel & Schott

Dillon, H.

Edminster Bros.

Foster Co., W.

Gnecco, M. H.

Hansen & John-
son.

Haun, C. C. W.

Hurley, P.

Leonard, J. P.

McCabe & Brown

McClenahan &
Co., T. W.

Miller, Louis

Mission Concrete

& Mosaic Wks.

Morocelli, John

Nilson & Arras

New Era Marble
& Concrete Co.

Nugent, Robinson

Rasmussen, A.

Riboni, Henry

Schlosser, Max

Schmidt & Son, J.

Sundberg, A.

Spargo, John

Thomas & Sands

Westerlund, J. V.

Zimmerman, L. M.

Concrete Machy.

Bacon & Co., E. R

Road Machy. Co

Lansing Co.

Livermore Co.,
Norman B.

Contractors' Equipment.

Bacon & Co., E. R

Blaisdell Mchy.
Co.

Compressed Air &
Gen. Mchy. Co.

Lansing Co.

Mapes, Sanford N.

Orenstein - Ar-
thur Koppel Co.

Cornice Works.

Amsler Sheet
Metal Works

Appman Cornice
Works.

Atlas Heating &
Ventilating Co.

Capitol Sheet
Metal Works

Conlin & Roberts.

Crown Cornice
Works

Cronan, Wm.

Elite Sheet Metal
Works
Gulfooy Cor. Wks.
Comyns & Nygren
Forderer Cornice
Works

G. & M. Sheet
Metal Works.
Hibernia Sheet
Metal Works

Hughes, H. J.
Ideal Cornice Co.
Korell & Co., J. A.

Modern Sheet
Metal Works
Morrison & Co.
U. S. Metal Prod-
ucts Co.

Western Furnace
& Cornice Co.
S. F. Metal Stamp
& Carr. Co.

Crude Oil Burners

Bill & Jacobsen
Fess System Co.
Johnson Co., S. T.

Crushed Rock.

Bay Devel. Co.

Cal. Building Ma-
terial Co.

Cassarretto, John

City Supply Co.

Morser, E. J.
Peterson, P. O.
Priddle, Arthur
Walker, J. M.
Church

Floors, Composition.

Artolith Mfg. Co.
Bender R.&P. Co.,
J. W.
Dwan Co., J. E.
Fibrestone &
Roofing Co.
Flaherty R. & P.
Co., R. H.
Malott & Peterson

Floors, Hardwood

Hardwood Int. Co.
Inlaid Floor Co.
Pac. Floor Sand-
ing Co.

Galvanized Iron.

Baker & Hamil-
ton
Berger Mfg. Co.
Gas Fixture.
Day Co., Thomas

Gas Heating Sys- tems.

Reactor System
Gas Heating Co

Gasoline Tanks & Pumps.

Brown, F. R.
Blaisdell Mch'y. Co.

Glass & Glazing.

Cal. Plate & Win-
dow Glass Co.
Friedman Bros.
Fuller Co., W. P.
Grosslicht & Din-
nere
Habenicht &
Howlett

Mission Plate & Window Glass Co.

Pioneer Plate &
Window Glass Co.
Schwars & Gott-
lieb

Grading.

Branick, J. P.
Carlin Bros.
Cassaretto, John
Devincenzi & Co.,
L.

Dillon Teaming Co.

Federal Transfer Co.

Glorgi Co., G.
Hartnett J. D.

Harbor View Contract Co.

Hule Co., E. M.
Lennon Co., J. E.

Leffler, Fred McGlinchey & Monahan

Montague Co., P.
O'Day Co., Dan'l

O'Donnell, Philip Powers, Chas. J.

Bibley Grading &
Teaming Co.

Star Con. Co.

Wright Co., I. H.

Urmaste Curbing. Graham Granite Co.

Lead Granite Co.,
W.

Pacific Granite Co. Tronoff, John

Gravel.

Bay Devel. Co.
Cal. Building Ma-
terial Co.

Cassaretto, John City Supply Co.

Standard Crushed
Rock Co.

Star Contracting Company

Stone Co., E. B. &
A. L.

Hardwood Deal- ers.

Inlaid Floor Co.
Hardwood Inter-
ior Co.

Union Floor Co.

Wood Lumber Co.,
E. K.

Hardware, Dealers.

Baker & Hamil-
ton

Bennett Bros.
Kruse, J. H.

Joost Bros.
Meyer, Adolph

Norman & Sons,
F. G.

Palace Hd'ware Co.
S. F. Hd'ware Co.

Smith Co., P. A.

Heating & Ventil- ating.

Atlas Heating &
Ventilating Co.

Kiernan & O'Brien
Hurley Co., J. C.

Lawson, Herman
Looney Co., J.

Mangrum & Otter
Snook & Co.,
Fred W.

Torrid Zone Fur-
nace Co.

Turner Co., The
Wilson, Robt. M.

House Movers & Raters.

Hatch, H. L.
Pearson, N. H.

Sullivan, D. J. & T.

Hoisting Engi- neer.

Le Clair, S. D.

Inlaid Floors.

Hardwood Inter-
ior Co.

Inlaid Floor Co.
Pac. Floor Sand-
ing Co.

Interlocking Tile Blocks.

California Deni-
son Block Co.

Iron Foundry.

Steiger & Kerr,
Stove & Found-
ry Co.

Iron & Steel.

Baker & Hamil-
ton

Dawson & Noyes
Judson Mfg. Co.

Pacific Coast Steel
Company.

Trussed Concrete Steel Company.

Woods & Huddart

Iron Works.

Brode Iron Wks.
Dyer Bros.

Eureka Wire &
Iron Wks.

Golden Gate Iron
Works

Hillard Co., C. J.

Kell Iron Works

Michel & Pfeffer
Monarch Iron
Works

Pacific Iron Wks.
Pacific Structural
Iron Works.

Ralston Iron
Works

S. F. Iron Works

Sartorius Co.

Schraeder's Iron
Works

Steiger & Kerr
Stove & Found-
ry Co.

Vulcan Iron Wks.

West Coast Wire
& Iron Works

Western Iron
Works

Joint Hangers & Post Caps.

Falls Mfg. Co.
Pac. Bldg. Mate-
rials Co.

Roman Co., C.
Waterhouse &
Price Co.

Western Bldrs.
Supply Co.

Lathers, Wood &
Metal.

Balzke, Robt.
Edwards, C. H.
Hayden, Fred

Kaiser, Jos.
McAbee, E. T.
Raymond, Wm. H.
Snell, Ralph L.

Lighting Fixtures
Day Co., Thomas
Mohillite Co.

Lime & Plaster Dealers.

Arden Plaster Co.
Cal. Lime & Hy-
drate Co.

Cowell Lime &
Cement Co.

Guerin & Co., J. S.

Lennon Co., J. E.

Pacific Portland
Cement Co.

Western Lime &
Cement Co.

Lumber Dealers.

Acme Lumber Co.
Christenson Lum-
ber Co.

Columbia Lumber
Co.

Doe Co., Frank P.

Excelsior Red-
wood Co.

Hardy Lumber Co.

Hart-Wood Lum-
ber Co.

Hauptman Lum-
ber Co.

Kruse Co., J. H.

Hooper Lumber Co.

Higgins Lumber
Co., J. E.

Loop Lumber Co.

MacDonald Lum-
ber Co.

Moore Mill and
Lumber Co.

Oakley, —

Olson — Mahony
Lumber Co.

Peterson, M. T.

Pope & Talbot

Reinhart Mill &
Lumber Co.

Ryan, George

Santa Clara Val-
ley Mill & Lum-
ber Co.

Santa Fe Lumber
Co.

S. F. Lumber Co.

Schouten & Co., J.
W.

Sunset Lumber Co.

Tierman & Beronle

Van Arsdale-Har-
ris Lumber Co.

Wilson Bros. & Co.

Wood Lumber Co.,
E. K.

Wright, Jr., Wm.

Magnesite Floor- ing.

Artolith Mfg. Co.

Bender R.&P. Co.

Dwan & Co., J. M.

Fibrestone &
Roofing Co.

Flaherty R.&P. Co.
R. H.

Goodmansan, A. K.

Malott & Peter-
son

Watsonite Co.

Mantels, Tiles & Grates

General Building
Work Co.

Ginsberg Bros.

Mangrum & Otter

Peerless Agencies
Co.

Marble and Mosaic Work.

General Building
Work Co.

Gneco, M. H.

Grassi & Co., P.

Mission Concrete
& Mosaic Wks.

Mission Marble
Works.

Musto Sons-Kee-
nan Co.

New Era Marble
& Concrete Co.

Teltz, Francis E.

Tomagnini & Co.,
G.

Vermont Marble
Co.

Metal Lath.

Atlantic Fire-
proofing Co.

Berger Mfg. Co.

Holloway Metal
Lath Company.

Waterhouse &
Price
Western Builders'
Supply Co.

Metal Stamping

S. F. Metal Stamp-
ing & Corr. Co.

U. S. Metal Prod-
ucts Co.

Notary Public.

Duncan, A. M.

Oils and Greases.

Standard Oil Co.
Union Oil Co.

Ornamental Plas- tering.

Benkman, Ed. G.

Blinner, Theodore

Larson, O. F.

Lipp & Co., J. P.

Painters and Dec- orators.

Baker Co., W. T.

Bell, Wm. J.

Bernstein, Wm.

Blum, Louis

Brown, J. L.

Burns Bros.

Clark & Dickson

Cramer Bros.

Conlin, J. J.

Copnick, T. W.

Dahl, T. H.

Donovan, V. J.

Hansen, Elbing A.

Kissel, Isidor

Miller, L.

Miller, J. A.

McCubbin, James

Manning, John

Neal, L. J.

Progressive

Painting Co.

Quandt & Son

Ruderman, I.

Simon Neilson Co.

Smith, J. S.

Sovig, C. B.

Trost, C. R.

Walk, Mayer

Wagner, Fred

Wagner Bros.

Zelinsky, R.

Paints, Oils Varn- ishes, Etc.

Clark & Dickson

Cohn & Co., Mar-
ion D.

Fuller Co., W. P.

O'Brien, J. S.

Paint Products

Corporation

Paraffine Paint Co.

Pratt & Lambert

Whittier - Coburn
Co.

Patent Chimneys.

Clawson Co., L. E.

Dresser - McDon-

Hughes, H. J.

Pile Driving.

Lamburth, C. E.

Paving Brick.

Cal Brick Co.

Planing Mills.

Acme Plgn. Mill

Anderson Bros.

Atlas Planing

Mill Co.

Builders' Supply

Depot

Cal. Door Co.

Cal. Planing Mill.

Emanuel, L. & E.
(Inc.)

Empire Planing

Mill

Hart & Burmels-

ter

Herrmann, A.

Herring's Mill

Holden - Deuprey

Co.

Lorden Mill Co.,
J. P.

Main St. Planing

Premus Planing

Mill

Reinhart Lumber

& Planing Mill

Ryan, George

San Mateo Plan-
ing Mill

Santa Clara Val-
ley Mill & Lum-
ber Co.

Spencer St. Plan-
ing Mill

Taylor & Co.

Western Planing
Mill

Veyle & Collins

Plasterers.

Bosch, Herman

Bradley & O'Reilly

Brennan, James

Campbell, Chas.

Campbell & Will-
iams

Connel Co., J. E.

Structural Steel Contractors.

Brode Iron Wks.
Dwer Bros.
Golden Gate Iron Works
San Francisco Iron Works
Ralston Iron Wks
Vulcan Iron Wks.

Surveyors.

Morser, E. J.
Quimby, L. S.
Wetherell, Chas E

Teaming & Grading.

Branick, J. P.
Blanchini, G.

Federal Transfer & Draying Co.
Carlin Bros.
Devencenzi & Co., L.

Dillon Teaming Co.

Federal Transfer & Draying Co.
Harbor View Contract Co.

Hule Co., E. M.
Lennon Co., J. E.
Leffler, Fred
McGlinchey & Monahan
Montague Co., P.
O'Day Co., D.
Powers, Chas. J.

Sibley Teaming & Grading Co.
Star Contracting Co.
Wright Co., J. H.

Tiling.

Cal. Tile Contr.Co.
Ginsberg & Co., S.
Mangrum & Otter
Peerless Agency Co.

Vacuum Co.
Bill & Jacobson
Hughson & Mer-ton Co.
Schaer Bros.
Stevens Co., Frank A.

Hyde Henry C.
United Elec Co.

Wall Beds.
Marshall - Stearns Co.

Water Company.
Spring Valley

Water Works.
Whitewashing
Brickley, P. J.
Reigle & Jamison
Taylor, L. A.

Waterproofing
Coyle, Jos. A.

Window Cleaning.
American Window Cleaning Co.

Windows. Patent.
Simplex Window Co.

Central Electric Co.

City Electric Co.
De Lew, M. A.

Decker Electric Co
Globe Elec. Co.
Levy Elec. Co.

Elevators.

Otis Elevator Co.
Van Emon Elevator Co.

Fibre.

S. F. Fibre & Cord-age Co.
Fireproof Doors.
Norris, L. A.

U. S. Metal Prod-ucts Co.

Floor Sanding
Hardwood Inter-ior Co.

Inlaid Floor Co.
Pacific Floor Sanding Co.

Grill Work.
Cal. Art Metal & Wire Works.

Merle Co., A.
Sartorius Co.

Withington, C. W.

Gen. Contractors.
Andrus, R. C.

Brigham, H. B.
Brockhage, Foley & Green

Caldwell & Co.
Cereghino & Son, Louis

Currie & Currie
Dempiak Bros.

Farquharson, D. B.
Fluth, J.

Fraser & Fraser
Graham, D. E.

Griffith, Wm.
Hannah, J. D.

Hannah & Co. J.S.
Hayes, W. W.

Jackson, A.
Kuykendall, J. O.

Malley, Edward.
Matthies, Henry

Mulcahy, James
Peacock, John

Schneibly, Host-
trawser & Ped-grift

Glass and Glazing
Cal. Plate & Win-dow Glass Co.

Cohen, I.
Cobbledick-Kibby Glass Co.

Friedman Bros.
Fuller, W. P. & Co.

Habenicht & Howlett

Holland, J. P.
Schwarz & Gott-
lieb (Inc.)

Grading & Team-ing.
Dillon, D.

Eureka Teaming Co.
Fay, S. J.

McClure, H. N.
Wilhelm, A. H.

Wilkie Co., A.
Williams, F. A.

Wright, Chas.
Monarch Teaming Co.

Sibley, L. B.
McLennan, S. H.

Granite.
Bradbury, Thos.

Cal. Granite Co.
De Lano & Sons, I. L.

Hunt, A. T.
Raymond Granite Co.

Hardware.
Baker & Hamilton

Joost Bros.
Kruze, J. H.

Lorenz, Schffaeer & Co.
Meyer, A.

Palace Hdq Co.
Heat and Light.

Pacific Gas and Electric Co.

Heating & Vent-
ilating.

Burnham Plumb-ing & Heating, Inc.

Electric.
American Elec-trical Engi-neering Co.

California Electri-cal Works.

Central Electric Co.
Mangrum & Otter

Montague, W. W. & Co.

House Moving & Raising.
Blume Cont'g Co.

Pearson, E. K.
Sullivan, D. J. & T

Inlaid Floors.
Hardwood Inter-ior Co.

Inlaid Floor Co.
Pacific Floor Sanding Co.

Iron Works.
Lorenz, Schffaeer & Co.

Michaels & Pfeiffer
Monarch Iron Works.

Pacific Rolling
Mill Co.

Pacific Struc. Iron Works.
Joint Hangers & Post Caps.

Kortick - Falls
Mfg Co.

Lilley & Thurston
Co.

Lorenz Schaffer & Co.
Western Builders' Supply Co.

Kawneer System
Store Fronts.

Falls Mfg. Co.
Lilley & Thurston Co.

Light and Power
City Electric Co.

Pac. Gas & Elec-tric Co.

Lime, Cement, Etc.
Acme Cement

Plaster Co.
Arden Plaster Co.

Cowell Lime & Cement Co.
Holland, J. P.

Holmes Lime & Cement Co.
Lennon, Jas. E.

Nephi Plaster Co.
Pacific Bldg. Ma-terial Co.

Pac Lime & Plas-ter Co.
S. F. Lime Co.

Shasta Lime Pro-ducts Co.
Western Building Material Co.

Western Lime & Cement Co.

Lumber.
Acme Lumber Co.

Christenson Lum-ber Co.
Hardy, Jas. H., Inc

Hart-Wood Lum-ber Co.
Humboldt Lumber Co.

Hauptman Lum-ber Co.
Hooper Lumber Co.

Kruse, J. H.
Loop Lumber Co.

Macdonald Lum-ber Co.
Moore, R. B. Mill

& Lumber Co.
National Mill & Lumber Co.

Olsen Mahoney
Lumber Co.

Pope & Talbot.
Santa Fe Lumber Co.

Schouten Lumber Co.
Tiernan & Bero-nio

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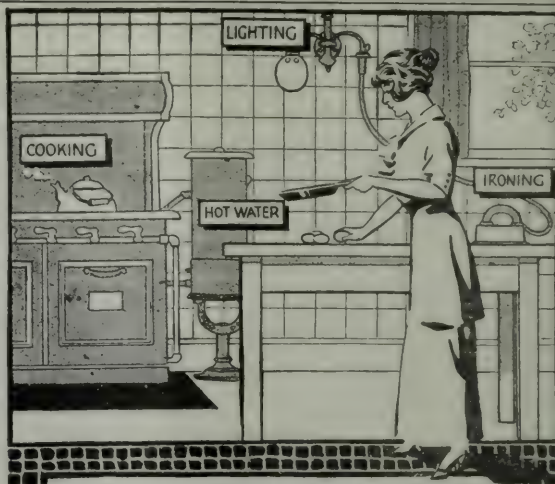
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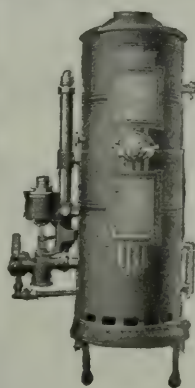
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Editorial Comment.

Building construction for the month of April for San Francisco shows a total of \$1,993,396. Of this \$1,847,252 was for private buildings divided as follows: Brick and concrete, \$1,077,339; frame, \$622,644; alterations and additions, \$147,269. To this is added \$21,000 for Panama-Pacific work; \$30,625 for City Buildings; \$70,347 for sewer and street work; \$19,426 for Government work within the City limits, and \$1,746 for state construction.

This is not a bad showing considering conditions, in fact, the figures for private construction being the best for any month of the year so far. As compared with the previous three months the figures for private construction are as follows:

January, 1915	\$ 838,400
February, 1915	1,273,799
March, 1915	1,574,591
April, 1915	1,847,252

For the same period the total for all work in the City and County of San Francisco was as follows:

January	\$1,284,898
February	1,657,148
March	2,043,534
April	1,993,396

While the total for March was a little greater than that of April the figures do not vary materially and show at least a standoff.

Compared with former years the record for the past decade is as follows:

April, 1906	\$ 817,084
April, 1907	6,556,007
April, 1908	3,306,676
April, 1909	3,330,909
April, 1910	3,383,269
April, 1911	2,139,696
April, 1912	3,435,334
April, 1913	3,327,584
April, 1914	2,795,350
April, 1915	1,993,396

These comparative figures show a decrease during the last two years. Prior to 1913, the record only included private construction. Considering the upside down conditions due to the war, the wonder is that business anywhere goes on with any degree of regularity and that building operations continue with any thing near like their former increase.

In the economics of industry and the cost of distribution of products the tendency is to cut out the middle man. Like the simplifying of processes every item of labor and material is dispensed with that can be, so in distribution the tendency is for the manufacturer to sell to the consumer.

An editorial in a recent number of the Scientific American calls attention to this tendency of the manufacturer to serve the consumer direct in the

establishment of auto truck service by the manufacturers of these machines. This has been brought about by the conditions of the business such that the small user is obliged to employ a skilled mechanic to look after his machine or pay garage charges. The truck rental system by the manufacturers gives the person, who desires service, a more efficient service. The truck can be adapted to the load and a saving thus effected as a large machine need not be used when a small one will do, or a small one need not be overloaded. Speaking further of this development and its effect on present conditions the article goes on to say:

"Whether this development along rental lines will come in the form of subsidiary companies or branches of the manufacturers themselves or as separate organizations is of minor importance compared with the sound economic features of the movement in general. That it is destined to play an important part in the future of the motor truck business seems evident, and it would appear to be slowly evolving as a necessary step in the advancement of this important industry toward a firmer and broader foundation."

The Sacramento Bee quotes an illustration of President Lincoln in support of President Wilson in his foreign policy. During the troublous times of the Civil War a great number of people were inclined to criticize his policy and tell him what to do. To find fault with everything and to say that the government was going to the dogs. In answer to them President Lincoln asked them that if they had all their worldly possessions in gold and that gold was intrusted to Blondin, the tight rope walker, to transport across the cable above Niagara Falls, if they would call to him and tell him what to do or let him get across in his own way? President Wilson has a hard rope to walk in keeping neutral in a world at war. It is up to him to guide the country as best he can. We have confidence in his ability and in his intentions. No one who has the interest of the country at heart will unjustly criticize him or try to shake the cable.

WHAT A CHANGE HAS COME OVER WILLIAM RANDOLPH!

In his primitive days in journalism, Hearst was great for governmental control of all public utilities; for the regulation of Big Business in the interests of The People.

Now he seems to be a special pleader for those same interests, demanding that they be allowed to do about what they please, and that Uncle Sam and the States be forced to keep hands off.

In California it is proposed that the Railroad Commission be given kindred control over oil that it has over railroads, and that the Water Commission has over the waters of California—a very good idea in the interests of the general public.

The Manufacture and Laying of Reinforced Concrete Sewer Pipe.

By Henry T. Shelley.

During the year 1914 the Bureau of Surveys, City of Philadelphia, awarded contracts for the construction of reinforced concrete pipe sewers, combined system, designed to carry storm water run-off and domestic sewage.

The plans of these sewers called for two sizes of pipe; 36-inch diameter circular and 36-inch by 24-inch egg shape; the alignments being long straight lines with a number of regular curves of 30 and 50 feet radius for extensions in intersecting streets and for outlet connections.

The design of both sections called for one line of triangular steel mesh to be placed $1\frac{1}{4}$ inches from the inside of the concrete shell; the shell for the 36-inch section to be 4 inches and for the 36-inch by 24-inch section $3\frac{1}{2}$ inches in thickness except at the base. The circular section was concentric throughout; the egg shape section was designed to have a base 8 inches in width.

Both sections were made in 4 feet lengths with ends normal to the axis of the pipe; molded with socket and spigot ends, with the steel reinforcing at each end a distance of $1\frac{1}{2}$ inches, overlapped when laid to form an interlocking joint. Some three feet lengths were made for the proper location of slants for house drainage connections and also for closures on curves. The curves were turned with 4 feet and 3 feet lengths with ends bevelled on a line with the radius of the curve, otherwise they were the same as for straight lines.

In this design the socket and spigot is formed in the shell of the pipe (without projection on the interior of exterior surfaces) so that when laid in the trench the projecting reinforcing can be overlapped in the socket and grouted. The grouting being done from a pouring hole molded in the top of the socket end of each length. By this means a continuous and uniform thickness of section is maintained throughout the length of the sewer barrel.

The specifications required the concrete to be mixed in the proportion of 1 part cement, 2 parts sand and 4 parts crushed pebbles or broken stone. The steel for reinforcing was cold drawn, open hearth carbon steel having a tensile strength of between 80,000 and 90,000 pounds; external loading and internal hydrostatic requirements were specified as was the character and design of forms. It was also required that the pipe be made by an established manufacturer of reinforced concrete pipe.

A vacant lot 60 feet in width by 100 feet in length was secured convenient to the location of the sewers to be constructed, and a plant, consisting of one bag batch mixer operated by a $1\frac{1}{2}$ H. P. gasoline motor, one 30 H. P. boiler, measuring barrow, and forms provided. The lot had been excavated for cellars to a depth of about 6 feet below street surface except a section about 100 feet in length on the east

end of which was a slight elevation above street surface and which was large enough to accommodate the mixer and provide for the storage of materials. The lower section was utilized for the manufacture and storage of pipe. The location of the mixer provided descending grades for the wheelbarrow runs from the mixer to the forms. These runs were made in short sections and of a design that permitted their lengthening as the work progressed or removal to different locations as the locations of the several lines of forms required.

The forms consisted of cast iron bottom and top rings shaped to form the socket and spigot ends, with sheet steel inner and outer casings rolled to true cylinderers. The inner and outer casings were concentric when assembled. The forms were rigidly held together with clamps and bolts to guard against cracks through the inner and outer rings, and to prevent the leakage of the mix. Butt straps were provided to cover joints between adjacent sheets.

The forms were assembled in four lines of 7 to 10 forms each with 6 feet lanes between lines. The bases forming the socket end of the pipe were first laid to line and carefully leveled, a slot being molded in this base to receive the reinforcing. This slot after receiving the reinforcing was filled with sand to serve as a stop for the concrete and provide for the projection of the reinforcing metal in the socket.

The reinforcing was placed after the inner steel casings were assembled and clamped to the base; the assembling of the outer casings immediately following. All surfaces exposed to the concrete being coated with paraffine oil.

A light steel angle, bent to shape, and bolted to the exposed face of the inner steel casing supported a thin steel plate covering the entire interior of the form. This plate or head served as a platform to receive the concrete from the mixer and from which it was evenly deposited and worked into the form.

The steel mesh was received in rolls of about 450 pounds average weight and were of sufficient width to provide the reinforcing for the full length of pipe sections without splicing.

Giant Portland cement, Jersey gravel or Jersey bank sand, and Birdsboro trap rock aggregate, graded in size from $\frac{3}{8}$ -inch to $\frac{3}{4}$ -inch, were used in the concrete mixture. The proportions were by volume, although the mixture was occasionally changed to suit the grading of the sand and aggregate so that frequently a richer mixture was obtained than the 1:2:4 specified. Measuring barrows were used to serve the mixer which was a one bag mixer operated by a $1\frac{1}{2}$ H. P. gasoline engine. Sufficient water was used in the mix to cause the concrete to flow readily when dumped on the steel head in the center of the

form. As soon as mixed the concrete was turned into the receiving pan in front of the mixer, hoed into barrows, wheeled to the forms, and dumped on the steel heads, from which it was shoved into the forms uniformly and spaded.

This work of placing and spading was performed by one man using a spade made of a steel mortar hoe blade slightly curved, fastened to a steel rod 4 feet long to which was fitted a wood handle 3 feet in length. The man employed was skilled in the work, but with the exercise of every precaution, air pits on the surface of the pipe could not be entirely prevented. A whole line of forms were completed when once started. The forms were assembled in the morning and poured in the afternoon. The first 80 lengths of pipe made were allowed to harden in air; the casings being removed 24 hours after pouring, the pipe remaining on the base 3 days. Upon the removal of the casings it was frequently found that the concrete adhered to them. To overcome this adhesion each line of forms was subjected to a hot vapor bath for 12 hours. To provide this vapor, a pipe line leading from an upright 30-H. P. steam boiler was run over the center of each line of forms, a canvas covering entirely encasing the forms served to condense the steam. The casings were removed in 12 hours, but the pipes were allowed to remain on the bases for 3 days as in the air hardening process.

The uneven and great variation in temperature obtained at the top and bottom of the forms, unless the greatest care is exercised, makes this a very questionable process.

Tests were made to determine the age at which the pipe could be laid, and while excellent results were obtained at 7 days, it was not considered advisable to lay it at that age and 14 days was made the minimum for laying.

A two-horse truck was used to convey the circular pipes from the yard to the work; a one-horse cart designed for the purpose being used for the egg-shape pipes, each length was lined up along the trench in place and position for lowering when delivered. One side of the trench was reserved for and kept clear to receive the pipe as delivered, the opposite being used for the deposit of the excavated material. In this way it was possible to deliver a large number of pipes to the work before the trench was ready to receive them.

The plans required the trenches to be excavated a width 12 inches greater than the horizontal external diameter of the pipe to be laid in them and to a minimum depth of 3 inches below the bottom of the pipe; this depth being increased when necessary to obtain a firm foundation. The design required all pipe to be supported in a concrete cradle covering the full width of the trench and extending from the bottom

of the trench to a height of 12 inches above the bottom of the pipe. The concrete for the cradle was mixed in the proportion of 1 part cement, 3 parts Jersey gravel and 4 parts crushed stone.

Several methods for laying the pipe in this cradle were tried. The method adopted requiring the concrete to be placed in the trench to a depth sufficient to bring it to within one-half inch of the elevation of the bottom of the pipe when laid. This was allowed to harden for at least 3 days before pipe was placed on it. A bed of mortar about $\frac{3}{4}$ -inch in thickness was spread over this base to seat the pipe and bring it to its proper elevation. After the pipe was laid and jointed the cradle was completed to the required height.

Immediately previous to lowering the pipe the mortar bed was spread for each length; the pipe being shoved over it and settled into place. Each length was laid with the socket end forward, to exact line and grade with a snug fit at the joint.

The laying of the pipe was immediately followed by the "making up" of the joint. This was done by first overlapping the reinforcing projecting into the socket and pressing it into position, then applying a stiff mortar to the lower half of the socket from the inside of the pipe, and grouting the upper half from the outside through the "pouring hole" at the top. The mortar was pressed through the reinforcing until the lower half of the socket was completely filled, when it was troweled to a smooth finish; a steel band 6 inches in width was then sprung around the interior of the pipe and keyed tight to prevent the escape of the grout, the exterior being sealed with a coat of stiff mortar covering the joint on the entire upper half of the pipe and extending about 12 inches below its center. While the grout was being poured a heavy steel wire was worked in the joint to prevent choking and to expel the air. This was continued until the joint was completely filled and the grout brought to the top of the pouring hole. The steel band was removed in 24 hours and the joint smoothed to a finish on a plane with the interior surface of the pipe. The mortar and the grout were made in the proportion of 1 part cement and 2 parts sand.

A very cheap and simple device was used to lower the pipe into place. It consisted of a light 6-inch steel I beam 14 feet long and supported at the ends on two wood "A" frames resting on 2½-inch plank runs. A small steel 4-wheel traveler supported on the lower flange of the beam carried a differential pulley to which was hung a wood U-shaped carrier. The "A" frame consisted of two 6-inch yellow pine logs, with a 4-inch strut bolted 2 feet above their lower ends to prevent spreading; the upper ends being fitted under the upper flange of the beam and bolted to the web. The traveler consisted of a pair of steel wheels fitted to each side of the beam close to the web and seated on the lower flange so as to move freely over it. A light steel frame suspended from these wheels carried a hook from which was suspended the differential pulley.

The wood carrier was made of three pieces of 4-inch by 6-inch oak, 4 feet, 3 feet 6 inches and 12 inches in length bolted together with 2¾-inch bolts. The short length serving to separate the long pieces when bolted together and providing space between them for the entrance of the pipe shell. The pieces were bolted together on edge at one end; the ends being brought flush so as to make a variation in length at the free end. When in service the pipe was carried on the 48-inch piece and suspended by means of a heavy eyebolt placed in the 36-inch piece, 10 inches from its free end. This piece extended over the top of the pipe a distance sufficient to bring the eyebolt over the center of the pipe. To insure greater strength a band made of 1½-inch steel half an inch in thickness was fitted around the carrier at the inside end of the middle piece.

When placed in position for lowering the I-beam extended across the trench and over the pipe lined up along it. The "A" frames were supported by 2½-inch plank runs extending along both sides of the trench. By means of the traveler the carrier was moved directly over the pipe, engaged to the pipe shell, which, after being raised was moved by means of the traveler to a position directly over the center of the trench and lower to place on the bed of the mortar spread over the concrete base. Before the carrier was disengaged each length was closely fitted at the joint and set to exact line and grade. The carrier was then raised, the "A" frames moved forward on the plank over the next length of pipe, and the laying continued. Pipe laying always commenced at the outlet end with the socket end forward. Where necessary to provide for manholes and spur connections an opening of 4 feet or the length of one section of pipe was made. Where manholes were to be built the openings were excavated a width of 4 feet 8 inches for a length of 6 feet, or 12 inches from each end of the pipe. The area of the concrete manhole base, being of these dimensions.

A steel form shaped to fit the inside of the lower half of the concrete pipe and extending 12 inches in the pipe at both ends of the opening was used to form the invert of the manhole; the concrete being poured around the form to the center of the pipe, and after form extensions were placed, carried to an elevation of 7 inches above the inside of the manhole base at the top was oval in shape, the diameters being 3 feet and 4 feet. The 3 feet diameter across the sewer being obtained for the egg-shaped section by narrowing the side walls to a thickness of 10 inches. Above the concrete base the manholes were built of brick 9 inches in thickness tapering to a 24-inch circle at the top or street surface. When connections for spurs were to be provided, wood invert and arch forms in addition to the steel invert form were used. These forms were assembled to form the entire connection before the concrete was poured, making a monolithic section throughout. This provided a square end on spurs for future pipe or brick extensions. The concrete mixture for

manholes and spurs was the same as the pipe.

Whenever possible locations for pipe drains were determined and openings for their connection molded in the pipe. When the location of drains could not be determined before molding the pipe, openings for their connection were cut through the shell with diamond point chisels when the pipes were in place.

Several years previous, but when the cost of labor and materials was about the same, bids were asked and received for these sewers of the standard brick construction; the sections and plans being identical.

The lowest bid received for the 36-inch circular section of brick was \$7.95 per foot and for the 36-inch by 24-inch egg-shape section of brick was \$4.35 per foot. The lowest bid received for the 36-inch concrete section was \$5.10 per foot and for the 36-inch by 24-inch egg-shape concrete section was \$4.72; a reduction of \$2.85 per foot for the 36-inch circular section and an increase of 37 cents per foot for the egg-shape section. The price per foot includes construction excavation, manufacture, delivery, laying the pipe, back fill, removal of excavated material and repaving over the trench.

In sewers of larger section a greater saving could be made and a better structure obtained by the use of reinforced concrete pipe than by any other method of construction; this is particularly true where water is present in the trenches in great volume and when its exclusion is imperative, as no other method presents equal possibilities of obtaining the same density and imperviousness of either the barrel or the joint at the same low cost.

From Portland Cement.

CHINESE COMMISSIONERS' AMERICAN ITINERARY.

The following telegram from Commercial Agent W. B. Henderson at Seattle, dated April 16, gives the proposed itinerary (subject to change) of the Chinese commissioners' visit to the United States:

Arrive San Francisco May 3d, leave evening 9th; arrive Los Angeles 10th, leave midnight 11th; arrive San Diego evening 12th, leave evening 13th; arrive New Orleans noon 16th, leave midnight 17th; arrive Memphis 18th, leave midnight; arrive St. Louis 19th, leave midnight 20th; arrive Chicago 21st, leave evening 23d; arrive Pittsburgh 24th, leave evening 25th; arrive Washington 26th, leave midnight 27th; arrive Baltimore morning 28th; leave midnight; arrive Philadelphia morning 29th, leave midnight; arrive New York morning 30th, leave midnight June 6th; arrive Providence morning 7th, leave midnight; arrive Boston 8th, leave midnight 10th; arrive Springfield morning 11th, leave evening; arrive Schenectady 12th, leave evening; arrive Newark morning 13th, leave midnight 14th; arrive Bethlehem morning 15th, leave evening; arrive Buffalo morning 16th, leave evening 17th; arrive Cleveland morning 18th, leave 20th; arrive Milwaukee 23d, leave evening; arrive St. Paul morning 24th, leave evening 25th; arrive Duluth morning 26th, leave evening; arrive Anaconda 28th, leave evening; arrive Spokane morning 30th, leave evening July 1st; arrive Seattle morning 2d, leave evening 4th; arrive Portland morning 5th, leave evening 6th; arrive San Francisco morning 8th.

ADVANCE NEWS

Classified according to Character of Work

APARTMENT HOUSES.

SAN FRANCISCO—Apartment house, 5 story and base. Class C, reinforced concrete, \$62,000. Architect, O. R. Thayer, 20 Montgomery street, S. F. Owners, Metropolis Investment Co. The building has been designed to contain four stores on the first floor besides the office, reading room and lobby of the apartment house. The building will have a frontage of 60 feet and a depth of 137½ feet. Upper floors will contain a total of ninety rooms, arranged in suites of two and three rooms, with private baths and wall beds. Interior finish will be of pine and hardwood. Hardwood floors will be used in the living rooms and dining rooms. Plans provide for steam heat, an automatic elevator, vacuum cleaning, a hot water supply, and all other modern conveniences. Bath rooms will be finished in pine. Exterior of the building will be faced with cement plaster, blocked off in imitation stone, and polycrome terra cotta. Plans are complete and segregated figures are now being taken.

SAN FRANCISCO—Apartment house, 4 story and base. Class C construction, \$50,000. Architect, A. W. Bergren Holbrook Bldg., S. F. Owner's name withheld. The building will be erected on Hyde street, near Geary, and will cover a considerable ground area. Interior has been arranged for a number of two, three and four room suites. All apartments will have private baths and wall beds. Interior finish will be of pine and redwood, with some elm panels. Hardwood floors will be used in the living rooms and dining rooms. Bath rooms will have tile wainscot and floors and will be equipped with high grade plumbing fixtures. Plans provide for steam heat and automatic elevator, vacuum cleaning and a hot water supply. Marble and tile wainscot will be used in the entrance lobby. Exterior of the building will be faced with pressed brick, trimmed with terra cotta. Plans are complete and figures are being taken both as a whole and segregated.

OAKLAND, CAL.—Apartment house, 3 story and base, frame and reinforced concrete, \$35,000. Architect, Charles J. Rousseau, 46 Kearny street, S. F. Owner, Mrs. Carrie B. Rousseau. The building will be erected at the northwest corner of Grand avenue and Park View, facing Lake Merritt. Exterior has been designed in the Mission Colonial style and will be faced with cement plaster on metal lath. The interior has been arranged for twenty apartments of three, four and five rooms. Interior finish will be of pine and hardwood, with some white enamel. The lobby will be finished in the Empire style. Plans provide for steam heat, a hot water service and vacuum cleaning. Bath rooms will be finished in tile. All apartments will be equipped with wall beds and have

private baths. Plans are now being prepared and segregated figures will be called for shortly.

Contracts Awarded.

OAKLAND, CAL.—Apartment house, 2 story and base, frame, \$12,000. Architect, none. Owner, R. Pozzi. Contractors, Sommarstrom Bros., 202 East 12th street, Oakland. Contract price, \$12,000.

BANKS

MARTINEZ, CONTRA COSTA CO., CAL.—Bank, 1 story and base, brick and stone. Cost not stated. Architect, A. A. Cantin, Foxcroft Bldg., S. F. Owners, Bank of Martinez. Plans have been completed for a one-story bank structure which will be erected on Ferry street, adjoining the present quarters of the bank. The design is in the classic style. The exterior will be faced with pressed brick and cut stone. The entire building will be occupied by the bank. Interior finish will be of pine and hardwood, with ornamental plaster and tile floors. There will be a central heating system, probably steam heat, with a complete oil burning equipment. Special bank fixtures and vaults are specified. Plans are complete and figures are now being taken.

DALY CITY, SAN MATEO CO., CAL.—Bank, 1 story and base, reinforced concrete, \$20,000. Architect, Edward T. Foulkes, Crocker Bldg., S. F. Owners, Daly City Bank. The building has been designed in the classic style and will be of fireproof construction. Interior finish will be of pine and hardwood with some ornamental plaster. Special bank fixtures and coin vaults will be installed. Exterior of the building will be faced with cement plaster. Plans are being prepared.

BONDS

SACRAMENTO, CAL.—The Assembly has passed the Wills bill, voting \$100,000 for a State Highway from El Centro in the Imperial Valley to the State line to connect with an Arizona road leading to Yuma.

WILLIAMS, COLUSA CO., CAL.—The local members of the Native Sons of the Golden West Lodge have purchased two lots from A. B. Levy and intend to erect a new lodge and store building.

BALLATIN, MONT.—The election held here to vote on the issuance of \$35,000 bonds for the erection of a school building resulted in favor of the proposition.

MILES CITY, MONT.—An election held to vote bonds in the sum of \$60,000 for the construction of an addition to the Washington School building carried. An architect will be selected immediately.

BONNERS FERRY, IDA. The election held in this city to vote bonds of \$15,000 for the erection of a high

school building failed to carry. Another election will probably be called.

MARTINEZ, CONTRA COSTA CO., CAL.—For the purpose of purchasing property adjoining the present grammar school, on which will be erected a primary school, a special bond election has been called for this city on May 20th, when the issuance of \$3,000 will be voted.

VACAVILLE, SOLANO CO., CAL.—May 25th is the date set for the special election to be held for voting on the proposition of issuing and selling bonds in the sum of \$36,000 for street improvements and purchasing additional apparatus.

COACHELLA SCHOOL DISTRICT, RIVERSIDE CO., CAL.—The Coachella Valley Union High School District will hold an election on May 22nd to vote on the question of issuing bonds in the sum of \$25,000 to provide for the erection of a new high school building for the district.

A. M. Hawkins, L. A. Porter, J. A. Gordon and C. R. Harris are the Trustees.

ANAHEIM, ORANGE CO., CAL.—The Civic Center Committee, composed of P. H. Krick, J. Ziegler and F. A. Youngbluth, has appeared before the City Trustees and presented a resolution calling for an election to vote bonds of \$65,000 for the purchase of a park and city hall site. They also ask that \$35,000 be voted to provide for the erection of a new city hall building.

ANDERSON - COTTONWOOD DISTRICT, SHASTA CO., CAL.—The Anderson-Cottonwood Irrigation District in Shasta County approved by State Engineer McClure, will be called upon to vote bonds for \$480,000. That is the estimate of cost fixed by the State Engineer to cover all possible contingencies. The district embraces 80,000 acres of land. Petitions are being circulated calling upon the directors to call a bond election.

MARIN COUNTY, CAL.—Suburban Marin citizens will be asked to vote bonds aggregating about \$2,225,000 within the next sixty days, with which to bring the Marin municipal water district up to a going concern. Of this sum about \$725,000 will be used for new construction work and the balance will be paid for the existing plants and the desired watershed land.

TURLOCK, STANISLAUS CO., CAL.—The City Council has adopted an ordinance providing for the issuance, sale and redemption of the \$16,000 bonds voted for the purpose of acquiring a block for a public park.

TEHACHAPI, KERN CO., CAL.—For the purpose of installing a lighting system this town has voted an \$8,000 bond issue.

RIVERSIDE, RIVERSIDE CO., CAL.—The City Council has passed to its second reading an ordinance providing for the holding of a special election in

the Arlington District to determine whether \$40,000 shall be issued for sewer purposes. The election will be held on June 7th.

EUREKA, HUMBOLDT CO., CAL.—At a recent meeting of the Humboldt County Supervisors bids were opened for the sale of \$150,000 worth of State Highway bonds owned by the county. Six bids were received, but these were rejected. The county will hold the bonds.

LOS ANGELES, CAL.—The Board of Supervisors will receive bids up to 2 p. m. May 17th for the purchase of \$2,000,000 in school bonds. The proceeds of this sale will be used in the construction of new school buildings.

SAN BERNARDINO, SAN BERNARDINO CO., CAL.—Bids will be received by the County Supervisors up to 11 a. m. of May 25th for the sale of the \$25,000 bond issue of the Central School District. The proceeds of the sale will be used in the construction of a school building.

HERMOSA BEACH, LOS ANGELES CO., CAL.—An election will be held on May 18th to vote bonds of \$18,000 to provide for the erection of an auditorium addition to the present high school. Preliminary plans for this addition have been prepared by Architect Thomas Preston, Higgins Bldg., Los Angeles.

An election will also be held on the same date to vote bonds of \$15,000 to provide for the erection of school buildings. Architect Thomas Preston will prepare the plans for these buildings also.

GRASS VALLEY, NEVADA CO., CAL.—A special meeting of the Board of Education has been called for May 17th, at which time the matters will be discussed of the high school term. Need of additional buildings has become a grave problem, and the calling of a bond election to construct the buildings is now being considered. A bond election held two years ago for this purpose was defeated.

AUBURN, PLACER CO., CAL.—A bond election to provide for sewer extensions and the purchase of an auto fire truck, costing from \$10,000 to \$15,000, will be called by the City Trustees at an early date.

SALINAS, MONTEREY CO., CAL.—Sealed bids will be received by the Clerk of the Supervisors for the purchase of 100 State Highway bonds, numbered 12101 to 12200, maturities of 1947. T. P. Joy is the Clerk of the Board.

BRIDGES AND DAMS

MARTINEZ, CONTRA COSTA CO., CAL.—Bridge, reinforced concrete. Cost not stated. Engineer, City Engineer, Martinez. Owners, City of Martinez. The City Trustees have instructed the City Engineer to prepare plans and specifications for the construction of a concrete arch bridge to span the creek at Ferry street. The City Engineer will present the plans at the next meeting of the Trustees, which will be held in two weeks.

WATSONVILLE, SANTA CRUZ CO., CAL.—Bridge, reinforced concrete. Const not stated. Engineers, Leonard & Day, Rialto Bldg., S. F. Owners, City of Watsonville. At the last meeting of the Board of Aldermen bids were

ordered advertised for the construction of the Pajaro River bridge. Bids close May 24th at 2 p. m. According to the approved plans of Engineers Leonard & Day, the bridge will have seven 60-foot spans instead of five 84-foot spans as at first planned.

OLD AND MIDDLE RIVERS, SAN JOAQUIN CO., CAL.—Bridge, steel and reinforced concrete, \$120,000. Engineer, County Surveyor, Stockton. Owners, San Joaquin and Solano Counties. Plans have been completed and have received the approval of the joint county boards and are now out for figures. Bids for the work will be opened on June 8th. Plans and specifications can be secured from the County Clerks. Further details will be given in the next issue.

AUBURN, PLACER CO., CAL.—Bridge, reinforced concrete, \$15,000. Engineer, County Surveyor, Auburn. Owners, Placer County. Bids were opened at the last meeting of the Board of Supervisors for the construction of a bridge over the Bear River on the line of the State Highway. Ten Bids in all were submitted, the lowest being that of Jenkins & Wells of Auburn at \$13,800, and the second low that of the Construction and Engineering Co., San Francisco, at \$15,700. A contract will be awarded at the next meeting of the Board of Supervisors.

HANFORD, KINGS CO., CAL.—Bridge, reinforced concrete. Cost not stated. Engineer, County Engineer B. Duffield. Hanford. Owners, Kings County. The Board of Supervisors has approved plans and specifications prepared by Trehwitt & Shields, Rowell Bldg., Fresno, for the new Gross Creek bridge and also retained the plans prepared by County Surveyor B. Duffield. Bids on this work are now being taken.

AUBURN, PLACER CO., CAL.—Bridges, 2, reinforced concrete, \$6,000 and \$7,000. Engineer, County Surveyor, Auburn. Owners, Placer County. The County Supervisors have issued a call for the construction of two concrete bridges over Coon Creek on the line of the State Highway. The approximate cost is estimated at \$6,000 and \$7,000.

UKIAH, MENDOCINO CO., CAL.—Bridge, reinforced concrete. Cost not stated. Engineer, County Surveyor, Ukiah. Owners, Mendocino County. Plans and specifications presented by the County Surveyor to the Supervisors for the construction of a concrete bridge over Robinson Creek have been adopted and bids will soon be called.

Contracts Awarded.

BENICIA, SOLANO CO., CAL.—Pile driving, 25½¢ per foot. Engineer, County Surveyor, Fairfield. Owners, Solano and Sacramento Counties. Contractors, M. L. Isham & Co. Contract price, 25½¢ per foot.

VACAVILLE, SOLANO CO., CAL.—Bridge, reinforced concrete, \$3,300. Engineer, County Surveyor, Fairfield. Owners, Solano County. Contractors, Gildersleeve Contracting Co. Contract price, \$3,300.

CHURCHES.

HIGHLAND PARK, LOS ANGELES CO., CAL.—Church and parish house, 2 story and base, frame. Cost not stated. Architect, Thomas F. Power, Higgins Bldg., L. A. Owners, St. Ignatius Parish, Father Thomas O'Reagan, pas-

tor. The church and parish house have been designed in the Mission style. The church will have a seating capacity of 400 people. Interior will be finished in pine and ornamental plaster. Hardwood floors will be used in the parish house. Both buildings will be heated by furnace heat. Exteriors will be covered with cement plaster on metal lath. Plans are now being prepared.

COURT HOUSES.

SAN FRANCISCO—City Hall lighting fixtures, \$22,000. Architects, Bakewell & Brown, 251 Kearny street, S. F. Owners, City and County of San Francisco. Bids will be called for shortly for furnishing the electric lighting system fixtures for the new City Hall. An estimated cost of \$22,000 has been placed on this work. Bids will also be called for shortly by the Board of Public Works for the purchase of special stationary furniture for the City Hall. This work will cost in the neighborhood of \$90,000. Further mention will be made of the work when figures are called for.

Contracts Awarded.

WALLA WALLA, WASH.—Court house, 3 story and base, reinforced concrete, \$137,000. Architects, Osterman & Siebert, Walla Walla. Owners, Walla Walla County. Contractors, M. J. Hursen Co., Globe Block, Seattle. Contract price, 137,000.

FACTORIES AND WAREHOUSES

SAN FRANCISCO—Warehouse, 7 story and base. Class C construction, \$75,000. Architect, Edmond Kollofrath, 560 Belvedere S. F. Owners, Merchants' Ice and Cold Storage Co., Lombard and Battery streets, S. F. Work is about to be started on extensive improvements that are to be made on the Merchants' Ice and Cold Storage Co. property on the south line of Lombard street between Sansome and Montgomery. Original plans were prepared for two smaller buildings, but since have been changed and a seven story structure covering an area of 51-8 by 88-8 will be erected. Construction will be of steel and brick. Interior partitions will be of hollow tile. Little or no interior finish is specified. Plans provide for a large amount of special cold storage machinery, a freight elevator, metal window sash and frames and special fire protection. Exterior of the building will be faced with stock brick. Plans are complete and the majority of the work will be done by Day Labor. A contract for the structural steel has been awarded to the Vulcan Iron Works, and the brick work has been awarded to H. H. Larsen & Bros.

PORTLAND, ORE.—Warehouse, 3 story and base, mill construction, \$35,000. Architects, Doyle & Patterson, Worcester Bldg., Portland. Owners, Mason-Ehrman Co. The building will be erected on the corner of 15th and Overton streets, and will cover an area of 100 by 150 feet. Construction will be of the slow burning type. Little or no interior finish is specified. Plans provide for a large freight elevator and an automatic sprinkler system. Metal window sash and frames are also specified. Exterior of the building will be faced with stock brick. Plans are

complete and figures are now being taken.

OAKLAND, CAL.—Steel rolling doors for warehouse, 1 story. Class A construction. Cost not stated. Engineer, Harbor Engineer, City Hall, Oakland. Owners, City of Oakland. Bids are now being called for and will be opened by the City Council May 13th for furnishing and installing steel rolling doors on one side and both ends of the warehouse building now being erected on the property parallel with the quay wall in Oakland. Plans and complete information can be secured on application to the Harbor Engineer, City Hall Building.

OAKLAND, CAL.—Factory, 4 story and base, reinforced concrete, \$150,000. Architect, Lewis P. Hobart, Crocker Bldg., S. F. Owners, Shredded Wheat Biscuit Co. Figures have been taken for the construction of a building which has been mentioned a number of times in these columns, and all bids have been rejected. The architect finds it necessary to make some further revision in the plans and new figures will be called for shortly. A contract will not be let for the work in side of three weeks or a month.

OAKLAND, CAL.—Warehouse window sash and frames, steel. Cost not stated. Engineer, Harbor Engineer, City Hall, Oakland. Owners, City of Oakland. Bids will be opened on May 13th for furnishing and installing steel window sash and frames in the municipal warehouse being erected on property parallel with the quay wall. Plans and complete information can be secured from the Harbor Engineer.

PORTLAND, ORE.—Warehouse, 3 story and base, reinforced concrete, \$5,000. Architects, Whitehouse & Fouilhoux, Wilcox Bldg., Portland. Owners, Settler Box Co. The building will cover a ground area of 100 by 200 feet. No interior finish will be used. There will be reinforced concrete floors and walls. A freight elevator and gravity conveyor will be installed. Exterior of the building will be faced with cement plaster. Plans are complete and figures are being taken.

FIREHOUSES AND JAILS

SAN FRANCISCO—Fire houses, 2, 2 story and base. Class C construction, \$30,000 and \$41,000. Architects, Ward & Blohme, Alaska Commercial Bldg., S. F. Owners, City and County of San Francisco. The Board of Public Works has requested the Supervisors to adopt resolutions to provide for the construction of these two buildings. The \$30,000 structure will be erected on the south side of Post street, between Polk and Larkin, while the \$41,000 building will be erected on Powell street, between Broadway and Fisher Alley. The two buildings have been described in these columns. Further mention will be made of the work when plans are complete and figures are called for.

SAN FRANCISCO—Detention home, 4 story and base. Class A construction, \$150,000. Architect, Louis C. Mullgardt, Chronicle Bldg., S. F. Owners, City and County of San Francisco. Plans have been completed and approved for the construction of a new Juvenile Detention Home, which is to be erected on the west side of Otis

street, between Duboce and McCoppin. The Supervisors have been asked by the Board of Public Works to pass a resolution calling for bids. Further mention will be made of this work when such action has been taken.

SAN FRANCISCO—Jail heating and ventilating system completion, \$429. Architect, City Dept. of Architecture, Temporary City Hall, S. F. Owners, City and County of San Francisco. Bids opened at the last meeting of the Board of Public Works for the completion of the heating and ventilating system in the City and County Jail building, show the Siebert Co. low at \$449. They will be awarded the contract. A complete list of these figures will be found under the heading of San Francisco in this issue.

STOCKTON, SAN JOAQUIN CO., CAL.—Fire houses, 2, 1½ story and base, frame. Cost not stated. Architects, Morrell & Thomas, Odd Fellows' Bldg., Stockton. Owner, City of Stockton. The City Council has decided upon the type of temporary fire houses to be erected on the outskirts of the city. This type will be known as the "Bungalow," and has been designed to contain one or two pieces of apparatus and quarters for the crew. A cement floor will be used. Exterior of the buildings will be covered with rustic and shiplap. Plans have been prepared and figures will be called for shortly.

FLATS

SAN FRANCISCO—Flats, 2 story and base, frame, \$3,000. Architect, none. Owner, Erino Marcino, 118 Mississippi street, S. F. The building will be erected on the east side of Connecticut street, south of 17th, covering an area of 25 by 50 feet. There will be two flats of five and six rooms, with a private garage in the basement. Interior finish will be of pine throughout. Some oak floors are specified. There will be a large open fire place in each living room with a tile or brick mantel. Tile wainscot will be used in the bath room. Automatic water heaters will be installed. Exterior of the building will be covered with rustic and shiplap. Plans are complete and in the hands of the owner who will do the work by Day Labor. Materials are now being purchased.

SAN FRANCISCO—Flats, 2 story and base, frame, \$7,500. Architects, Fabre & Bearwald, Merchants' National Bank Bldg., S. F. Owner, Jules Marty. The building will be erected on Shotwell street, between 25th and 26th streets, and has been designed to contain two modern flats of five and six rooms. Interiors will be finished in pine with some elm panels. Hardwood floors will be used in the principal rooms. There will be open fire places with tile or brick mantels. Tile wainscot will be used in the bath rooms. Automatic water heaters are specified. Exterior of the building will be covered with rustic and cement plaster on metal lath. Plans are complete and figures are now being taken.

GOVERNMENT WORK & SUPPLIES

Scotch Cap, Alaska, Engine.

The following bids were received by the light house inspector, Sixteenth District, Ketchikan, Alaska, for one

9-horsepower geared hoisting engine for Scotch Cap light station:

August Kietz, 128 Mott street, New York City, \$735.

Union Gas Engine Co., San Francisco, Cal., \$797.

Washington Iron Works, Seattle, Wash., \$850.

American Engineering Co., Philadelphia, Pa., \$895; alternate bid, \$780.

Ingersoll-Rand Co., Seattle, Wash., \$675 and \$755.

Wern Machinery Co., 30 Church street, New York City, \$1,395.

Northwestern Iron Works, Seattle, Wash., \$894.

Fairbanks-Morse Co., Seattle, Wash., \$705.75; accepted.

Venn-Severin Machine Co., Chicago, Ill., \$802.75.

Western Engineering Sales Co., San Francisco, Cal., \$865.

cisco, Cal., \$887.50.

Jager Engine Co., Boston, Mass.,

Edward R. Bacon & Co., San Francisco, \$906.

Harmon & Deever, Cordova, Alaska, \$857.

Lidgerwood Manufacturing Co., New York City, \$1,284.

Neah Bay, Wash., Weather Bureau.

The following bids were received by the chief, U. S. Weather Bureau, Washington, D. C., for constructing a frame cottage telegraph office building for the U. S. Weather Bureau at Neah Bay, Wash.:

C. J. Schneider, Callam Bay, Wash., \$3,900.

Carlson & Sons, Seattle, Wash., \$3,263.

Eckman & Mowatt, Seattle, Wash., \$3,705.

N. T. Barnes, Kent, Wash., \$2,986.

E. H. Stewart, Seattle, Wash., \$3,210.76.

Emil Pohl, Seattle, Wash., \$3,460.

J. L. Murphy & Sons, Tacoma, Wash., \$3,500.

Harry H. Cotton, Port Angeles, Wash., \$3,300.

Sunnyside Unit, Excavating.

The following bids were opened at the office of the U. S. reclamation service, Sunnyside, Wash., for excavating main canal extension, Sunnyside unit, Yakima project, Washington:

Item 1, class 1, excavation; 2, class 2, excavation; 3, class 3, excavation; 4, blanketing.

O. S. Brown, Prosser, Wash., item 1, 28c; 2, 50c; 3, \$2; 4, 65c; total, \$1,730.80.

Mathieson & Mudd, Sunnyside, Wash., item 1, 37c; 2, 55c; 3, \$2.25; 4, 35c; total, \$1,876.20.

F. R. Schoenberg, Prosser, Wash., item 1, 28c; 2, 90c; 3, \$1.40; 4, 40c; total, \$1,591.80.

Tender Kukui, Repairs.

The following bids were received by the light house inspector, Eighteenth District, San Francisco, Cal., for additional repairs to tender Kukui:

Muir & Symon, Inc., San Francisco, Cal., \$1,072; 15 days, accepted.

Union Iron Works, San Francisco, Cal., \$1,362.75; 16 days.

Moore & Scott Iron Works, San Francisco, Cal., \$1,245; 15 days.

United Engineering Co., San Francisco, Cal., \$1,421; 20 days.

Berkeley, Cal., Furniture.

The contract for installing furni-

ture in the U. S. post office at Berkeley, Cal., has been awarded to the Federal Equipment Co., Carlisle, Pa., at \$3,-542.25; time to complete, 90 days.

Portland, Ore., Repairs and Painting.

The following bids were received by the custodian, U. S. post office, Portland, Ore., for repairs and painting at the old U. S. post office at Portland, Ore.:

H. W. Clintock, 189 4th street, Portland, Ore., \$1,973; 60 days.

Henneman & Johnson, Portland, Ore., \$1,960.90; 50 days.

Bert Bigelow, Portland, Ore., \$1,925; 60 days.

Grohne Contracting Co., Joliet, Ill., \$1,894; 100 days.

Grovecock & Son, Portland, Ore., \$1,-847; 60 days.

John F. Treer, Portland, Ore., \$1,-764; 44 days.

Wm. Smith, Portland, Ore., \$1,594; 60 days.

W. F. Blaesing, Portland, Ore., \$1,-325; 45 days.

J. P. Sullivan, Chicago, Ill., \$1,228; 60 days.

C. C. Fitzhugh, Portland, Ore., \$1,-049; 35 days.

HOTELS.

Contracts Awarded.

SEATTLE, WASH.—Hotel, stores and theatre, 9 story and base. Class A construction, \$141,400. Architect, B. Marcus Pretica, Empire Bldg., Seattle. Owners, Coliseum Theatre Co., represented by C. B. Stimpson. Contractors, Pearson Construction Co., New York Bldg., Seattle. Contract price, \$141,400.

HOSPITALS.

NORWALK, LOS ANGELES CO., CAL.

—Hospital group, 1 and 2 story and base frame and reinforced concrete. \$110,000. Architect, George B. McDougall, Sacramento. Owners, State of California. Nineteen bids were received on May 4th for the complete construction of a group of buildings for the Norwalk State Hospital. The work included a workers' cottage for males, a kitchen building, a power house. John Mulder of Los Angeles submitted the lowest bid at \$107,319. While no contract has been awarded, it is understood that the low man will be awarded the work in the course of the next few days. A complete list of the figures opened will be found under the heading of Los Angeles and Southern California in this issue.

LOS ANGELES, CAL.—Hospital ward building, 2 story and base, reinforced concrete. Cost not stated. Architect, George Low, Supervising Architect, L. A. Owners, Los Angeles County. The building will be erected on the grounds of the County Hospital and will cover an area of 146 by 51 feet. Construction will be fireproof. The building has been designed to contain eight wards. Interior will be finished in pine and hardwood with some tile and white enamel. Hardwood floors will be used. There will be steam heat and modern hospital plumbing. Exterior of the building will be faced with cement plaster. Plans are complete and figures are being taken. Bids will be opened on May 24th. Plans can be secured from the architect.

SAN PEDRO, LOS ANGELES CO., CAL.—Hospital, 2 and 3 story and base, brick, \$25,000. Architect, C. F. Durr, San Pedro. Owner, P. H. Berg, leased to the Sisters of Mercy. The building will cover a ground area of 40 by 80 feet and has been designed to contain a number of private rooms besides two wards. Interior will be finished in pine and tile. Hardwood floors will be used. There will be special operating rooms. Plans provide for steam heat, vacuum cleaning and modern hospital plumbing. Exterior of the building will be faced with pressed brick. Plans are now being prepared. The owner has not decided whether to let a general contract or to do the work by Day Labor.

SOUTH PASADENA, LOS ANGELES CO., CAL.—Hospital, 2 story and base, hollow tile construction \$30,000. Architect's name not given. Owner, Dr. T. W. Bishop, Title Insurance Bldg., L. A. The building will be designed for a private sanitarium and will be fireproof. No details of the construction have been made public. Further mention of the work will be made when the architect's name is learned.

LOS ANGELES CAL.—Observation hospital, 1 story and base, frame. Cost not stated. Architect, George Low, Supervising Architect, L. A. Owners, Los Angeles County. The building will be erected on the grounds of the present County Hospital and will be designed for a children's observation hospital. The building will contain sixteen rooms and two baths. Interior will be finished in pine and white enamel. There will be steam heat from a central plant. Exterior of the building will be covered with cement plaster on metal lath. Plans are complete and figures are being taken. Bids will be opened on May 24th. Plans and specifications can be secured from the architect.

Contracts Awarded.

NORWALK, LOS ANGELES CO., CAL.—Hospital building, 1 and 2 story, reinforced concrete and frame, \$114,-872. Architect, State Architect George B. McDougall, Sacramento. Owners, State of California. Contractors, L. G. Bergren & Son, Hearst Bldg., S. F. Contract price, \$14,872.

PATTON SAN BERNARDINO CO., CAL. — Superintendent's residence, 2 story and base, frame, \$8,749. Architect, State Architect George B. McDougall, Sacramento. Owners, State of California. Contractors, L. G. Bergren & Son, Hearst Bldg., S. F. Contract price, \$8,749.

RAILROAD CONSTRUCTION AND EQUIPMENT

SAN FRANCISCO — Municipal car barn generators, \$1,656. Engineer, City Engineer, Temporary City Hall, S. F. Owners, City and County of San Francisco. Bids opened at the Friday meeting of the Board of Public Works for furnishing generator sets for the 17th street car barns show the Butte Electric and Engineering Co. low on the work at \$1,656. They will be awarded the contract. A complete list of the bids submitted appears under the heading of San Francisco in this issue.

POST OFFICES.

Contracts Awarded.

PENDLETON, ORE.—Post office, 2 story and base, brick, steel and stone, \$99587. Architect, Supervising Architect, Oscar Wenderoth, Washington, D. C. Owners, United States Government. Contractor, James S. Winters, Couch Bldg., Portland. Contract price, \$99,-537.

RESIDENCES.

SAN FRANCISCO — Residence, 2 story and base, frame, \$3,000. Architect, none. Owner, J. C. Kirby, 2152A Market street, S. F. The dwelling will be erected on the west side of 12th avenue north of Anza, and has been designed to contain six rooms, bath and sleeping porch. The basement will be occupied by a private garage. Interior will be finished in pine with some elm panels. Hardwood floors will be used in the living room, dining room and reception hall. There will be a large open fire place with tile or brick mantel. Tile wainscot will be used in the bath room. An automatic water heater is specified. Exterior of the dwelling will be covered with rustic and cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor. Materials are now being purchased.

OAKLAND, CAL.—Residence, 2 story and base, frame, \$5,000. Architect, none. Owner, C. E. Quigley, 771 Rand avenue, Oakland. The dwelling has been designed for a ten-room house with bath and sleeping porch, and will be erected on the northeast corner of Lake Shore and Mandana Boulevard. Interior finish will be of pine and redwood. Some elm panels will be used. Hardwood floors are specified for the principal rooms. Plans provide for furnace heat and open fire places. Mantels will be of tile or brick. Bath rooms will have tile wainscot and floors. An automatic water heater will be installed. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor. Materials are now being purchased.

OAKLAND, CAL.—Residence, 2 story and base, frame, \$9,000. Architects, Schirmer, Bugbee & Co., Dalziel Bldg., Oakland. Owner, Mr. Forest. The dwelling will be erected in the Crocker Highlands Tract, and has been designed to contain ten rooms, two or three baths and sleeping porch. A separate garage will be erected in the rear of the property. Interior of the residence will be finished in pine and hardwood. Hardwood floors will be used in the principal rooms. Plans provide for a hot air system of heating, open fire places, vacuum cleaning and a hot water supply. Bath rooms will be finished in tile. Mantels will be of tile or brick. Exterior of the residence and garage will be covered with cement plaster on metal lath. Plans are complete and figures are now being taken by the architect.

BERKELEY, ALAMEDA CO., CAL.—Residence, 2 story and base, frame, \$3,500. Architect, Chester H. Miller, Dalziel Bldg., Oakland. Owner, A. T. Parsons. The dwelling will be erected in South Oak Park, and has been de-

signed for a seven-room house with bath and sleeping porch. Interior finish will be of pine, redwood and hardwood panels. Hardwood floors will be used in the living room, dining room and reception hall. There will be furnace heat and open fire places. Mantels will be of tile. Tile wainscot will be used in the bath room. An automatic water heater will be installed. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are complete and figures are now being taken by the architect.

BERKELEY, ALAMEDA CO., CAL.—Residence, 2 story and base, frame. Cost not stated. Architect, John Hudson Thomas, First National Bank Bldg., Berkeley. Owner, Miss Gertrude Anthony. The dwelling has been designed for an eight-room house, with two baths and sleeping porch, and will be erected in Cragmont, Berkeley. Interior finish will be of pine and hardwood with white enamel in the bed rooms. Hardwood floors will be used in the living room, dining room and reception hall. There will be furnace heat and open fire places. Mantels will be of tile or brick. Tile wainscot and floor will be used in the bath room. Plans provide for a hot water circulating system. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are now being prepared.

BERKELEY, ALAMEDA CO., CAL.—Residence, 2 story and base, frame, \$3,500. Architect, Chester H. Miller, Dalziel Bldg., Oakland. Owner, Miss Cornelia Taber. The dwelling has been designed for a seven-room house with bath and sleeping porch and will be erected in Thousand Oaks Park. Interior finish will be of pine and redwood with some white enamel. Hardwood floors will be used in the principal rooms. Plans provide for furnace heat and open fire places. Mantels will be of tile or brick. Tile wainscot will be used in the bath room. An automatic water heater is specified. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are complete and figures are being taken by the architect.

RICHMOND, CONTRA COSTA CO., CAL.—Residence, 1 story and base, frame, \$2,500. Architect, James T. Nabett, Berry Bldg., Richmond. Owner, W. H. Eckert. The dwelling has been designed for a six-room house with bath and sleeping porch. Interior will be finished in pine throughout. Some hardwood floors will be used. There will be a large open fire place in the living room. Mantel will be of tile or brick. Tile wainscot will be used in the bath room. An automatic water heater will be installed. Exterior of the dwelling will be covered with rustic and cement plaster on metal lath. Plans are complete and a contract will be awarded shortly.

LODI, SAN JOAQUIN CO., CAL.—Residence, 1 story and base, frame, \$4,000. Architect, Ralph P. Morrell, Odd Fellows' Bldg., Stockton. Owner, D. Smith, Lodi. The dwelling has been designed for a seven-room house with two baths and sleeping porch. Interior finish will be of pine and hardwood, with some white enamel in the bed rooms. There will be furnace heat and open fire places. An automatic water heater will be installed. Man-

tels will be of tile or brick. Tile wainscot and floor will be used in the bath room. Wall beds are also specified. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are now being prepared.

MERCED, MERCED CO., CAL.—Residence, 2 story and base, frame, \$10,000. Architect, Ralph P. Morrell, Odd Fellows Bldg., Stockton. Owner, Mrs. Lydia Grims, Merced. The dwelling has been designed for a large ten-room house with several baths, sleeping porch and conservatory. A separate garage will be erected in the rear of the property. Interior of the house will be finished in pine and hardwood, red gum and white enamel. Hardwood floors will be used in the living room, dining room, library and reception hall. There will be furnace heat and open fire places. Mantels will be of tile or brick. A hot water circulating system will be installed. Bath rooms will be finished in tile. Exterior of the house and garage will be covered with cement plaster on metal lath. Plans are now being prepared. Further mention will be made of the work when figures are called for.

PORTLAND, ORE.—Residence, 2 story and base, frame, \$15,000. Architects, Doyle & Patterson, Worcester Bldg., Portland. Owner, President Foster of Reed College. The dwelling will be erected on the Campus of Reed College, and has been designed to contain ten rooms and three baths. Interior will be finished in pine and hardwood with white enamel in the bed rooms. Hardwood floors will be used in the living room, dining room, library and reception hall. Bath rooms will be finished in tile and equipped with shower. There will be furnace heat and open fire places. Mantels will be of tile or brick. A separate garage will be erected in the rear of the property. Exterior of the house and garage will be covered with cement plaster and metal lath. Plans are now being prepared and figures will be called for shortly.

SACRAMENTO, CAL.—Residence, 1 story and base, frame, \$2,000. Architect, none. Owner, E. G. Tauner, 2513 26th street, Sacramento. The dwelling has been designed to contain five rooms and bath, and will be erected on the Gerber Bros. Tract. Interior will be finished in pine and redwood. Some oak floors will be used. There will be an open fire place in the living room. Mantel will be of tile or brick. Exterior of the house will be covered with rustic or cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor.

SAN FRANCISCO—Residence, 2 story and base, frame, \$2,500. Architect, none. Owner, J. H. Phillips, 228 23rd avenue, S. F. The dwelling has been designed for a six-room house and will be erected on the east side of 27th avenue south of Anza. Interior will be finished in pine throughout. There will be an open fire place in the living room. Mantel will be of tile. Some hardwood floors will be used. Bath room will be finished in tile. An automatic water heater will be specified. Exterior of the dwelling will be covered with rustic and cement plaster on metal lath. Plans are complete and in the hands of the owner who

will do the work by Day Labor.

SAN FRANCISCO—Residence, 2 story and base, frame \$2,500. Architect, none. Owner, F. Nelson 30 Presidio Terrace, S. F. The dwelling will be erected on the north side of Irving street near 28th avenue and has been designed for a five-room house with bath. Interior will be finished in pine and elm. Hardwood floors will be used in the living room and dining room. There will be an open fire place with tile or brick mantel. An automatic water heater will be installed. Exterior of the house will be covered with rustic and cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor.

SAN FRANCISCO—Residences, 7, 2 story and base, frame, \$2,500 each. Architect, E. E. Young, 251 Kearny street, S. F. Owner, Thomas Scoble, 363 14th avenue, S. F. These houses will be erected on property at the northwest corner of Balboa and 27th avenue and each has been designed for a five-room dwelling with bath and sleeping porch. Interiors will be finished in pine and hardwood veneer. Hardwood floors will be used in the principal rooms. There will be large open fire places in the living rooms with tile or brick mantels. Tile wainscot will be used in the bath rooms. Automatic water heaters will be installed. Exteriors will be covered with rustic and cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor. Materials are now being purchased.

OAKLAND, CAL.—Residence, 2 story and base, frame, \$3,500. Architect, none. Owner, A. B. Chase, 1621 79th avenue, Oakland. The dwelling has been designed for a seven-room house with bath and sleeping porch and will be erected on Peralta avenue north of Montana. Interior will be finished in pine and hardwood with white enamel in the bed rooms. Hardwood floors will be used in the living room, dining room and reception hall. There will be furnace heat and open fire places. Mantels will be of tile or brick. Tile wainscot will be used in the bath room. An automatic water heater will be installed. Exterior of the house will be covered with cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor. Materials are now being purchased.

FRESNO, FRESNO CO., CAL.—Residence, 2 story and base, frame, \$3,000. Architect, none. Owner, F. B. Billings, Fresno. The dwelling will be erected in the Alta Vista Tract and has been designed for a seven-room house with bath and sleeping porch. Interior finish will be of pine and hardwood veneer with white enamel in the bed rooms. Hardwood floors will be used in the principal rooms. There will be an open fire place and tile or brick mantel. Bath room will have tile wainscot. An automatic water heater will be installed. Exterior of the dwelling will be covered with rustic and cement plaster on metal lath. Plans are complete and the work will be done by Day Labor.

FRESNO, FRESNO CO., CAL.—Residence, 1 story and base, frame. Cost not stated. Architects, Bowen & Davis,

McKenzie Bldg., Fresno. Owner, Helen G. Kleiser. The dwelling will be erected in McKinley Heights and has been designed for a six-room house with bath and sleeping porch. Interior finish will be of pine and elm panels. Some hardwood floors will be used. There will be an open fire place in the living room. Mantel will be of tile. Tile wainscot will be used in the bath rooms. An automatic water heater will be installed. Exterior of the dwelling will be covered with rustic and cement plaster on metal lath. Plans are complete and the work will be done by Day Labor.

TURLOCK, STANISLAUS CO., CAL.—Residence, 1 story and base, frame. Cost not stated. Architect, Henry Shermund, Mills Bldg., S. F. Owner, Howard Whipple, Turlock. The dwelling has been designed in the English Colonial style, and will cover an irregular ground area of 40 by 85 feet. The house will set 50 feet back from the street, and the grounds will be handsomely laid out in formal gardens and tennis courts. Interior of the dwelling has been arranged for seven rooms, two baths and sleeping porches. Interior finish will be of pine, red gum and white enamel. Hardwood floors will be used in the principal rooms. There will be furnace heat, open fire places and a hot water circulating system. Bath rooms will be finished in tile. Mantels will be of tile and brick. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are complete and figures are being taken.

LOS ANGELES, CAL.—Residence, 2 story and base, frame. Cost not stated. Architect, E. C. Thayer, Haas Bldg., L. A. Owner's name withheld. The dwelling has been designed for a twelve-room house with baths and sleeping porches. A separate garage will be erected on the property. Interior will be finished in pine, hardwood and white enamel. Hardwood floors will be used in the principal rooms. There will be a hot water heating system, hot water circulating system, vacuum cleaning and open fire places. Mantels will be of tile and brick. Bath rooms will be finished in tile and equipped with high class plumbing fixtures. Exterior of both the dwelling and garage will be covered with brick veneer and cement plaster on metal lath. Plans are complete and work will be started under the Day Labor system on or before June 1st.

SEWERS, STREET WORK & WATER SYSTEMS.

CALIFORNIA—State Highway work and bridge. Cost not stated. Engineer, State Highway Commission, Forum Bldg., Sacramento. Owners, State of California. Bids will be opened on March 24th by the State Highway Commission for the following work: Tehama County, 12.7 miles, graded; Tehama County, 6.5 miles, Portland cement; Kings County, 8.9 miles, Portland cement concrete; Los Angeles County, 4.2 miles, Portland cement concrete, and Yolo County, plate girder bascule, 80 foot clear span, with reinforced concrete approaches. Total length 141 feet. Plans can be secured from the Commission.

CALIFORNIA—Highway construction. Cost not stated. Engineer, State Highway Commission, Forum Bldg., Sacramento. Owners, State of California. Bids will be opened on June 1st by the State Highway Commission for the following highway construction: Humboldt County, 6.9 miles; Colusa County, 10.6 miles; Monterey County, 4.7 miles, and Tulare County, 3.9 miles. All work to be of Portland cement concrete. An official proposal appears in another column of this issue.

MODESTO, STANISLAUS CO., CAL.—Concrete flume. Cost not stated. Engineer, Herrmann, Monadnock Bldg., S. F. Owners, Modesto Irrigation District. At the last meeting of the Board of Directors of the Modesto Irrigation District Engineer Herrmann was directed to prepare plans and specifications for concrete work on the Dry Creek flume.

LIVERMORE, ALAMEDA CO., CAL.—Water system extension. Cost not stated. Engineer, City Engineer C. F. Sloan, Livermore. Owners, City of Livermore. The City Engineer has been directed by the Trustees to prepare plans and specifications for an extension to the present sewer system in Junction avenue from the Western Pacific right-of-way to Linden street and also on North L street from Chestnut to Pine and on Pine street from North L to North N street, a distance of approximately 4,700 feet. Bids on this work will be taken on the completion of the plans.

LIVERMORE, ALAMEDA CO., CAL.—Underground electric conduit, \$6,000. Engineer, City Engineer Sloan, Livermore. Owners, City of Livermore. The matter of putting the wires for the electric street lights in underground conduits, at an estimated cost of \$6,000, is now under consideration by the City Trustees.

HOLLISTER, SAN BENITO CO., CAL.—Street paving, \$25,000. Engineer, City Engineer, Hollister. Owners, City of Hollister. Bids for the paving of Monterey and South streets are now being taken by the Town Trustees. Bids close May 17th. The work will cost \$25,000.

SAN MATEO, SAN MATEO CO., CAL.—Street paving. Cost not stated. Engineer, City Engineer, San Mateo. Owners, City of San Mateo. The City Trustees have adopted plans and specifications for the paving of all unimproved streets in the district bounded by 5th street and El Camino Real, Peninsular and D streets. Approximately 38 blocks are included in the proposed work.

PETALUMA, SONOMA CO., CAL.—Sewer work. Cost not stated. Engineer, City Engineer, Petaluma. Owners, City of Petaluma. The City Engineer has been instructed to construct a 6-inch iron pipe sewer along the center line of Laurel avenue from B to D streets.

SAN JOSE, SANTA CLARA CO., CAL.—Cement. Cost not stated. Engineer, County Surveyor, San Jose. Owners, Santa Clara County. Bids are now being taken by the Board of Supervisors for furnishing the County of Santa Clara with 50,000 barrels of Portland cement to be delivered during the next two years. Bids will be opened on June 1th. The cement is to be delivered at various towns throughout

the county. Full particulars can be secured by addressing the County Clerk at San Jose.

RIVERSIDE, RIVERSIDE CO., CAL.—Street lighting system, \$16,004.85. Engineer, Elmer Cutting, Riverside. Owners, City of Riverside. According to figures submitted to the City Council by Superintendent Elmer Cutting, of the electric light department of the Board of Public Utilities, the cost of the proposed East Side ornamental street lighting system will be \$16,004.85. The City Attorney has been instructed to prepare resolutions providing for the installation of the new system. A call for bids will be issued in about three weeks.

BAKERSFIELD, KERN CO., CAL.—Highway construction, \$6,500. Engineer, County Surveyor, Bakersfield. Owners, Kern County. Three bids were received by the Supervisors for the Bakersfield-Glennville road. This is a section five and one-half miles in length. The bids were as follows: F. H. Jameson, \$6,252.15; Castro & Blaisdell, \$6,459; Wm. J. Cahill, \$9,212. The contract includes grading, bridges and culverts. All bids have been referred to the County Highway Commission.

STOCKTON, SAN JOAQUIN CO., CAL.—Highway grading. Cost not stated. Engineer, County Surveyor, Stockton. Owners, San Joaquin County. The San Joaquin Supervisors are now taking bids for the grading of a road across five miles of Victoria Island. Bids on this work will be opened on June 8th.

SAN RAFAEL, MARIN CO., CAL.—Highway grading, \$2,050. Engineer, County Surveyor, San Rafael. Owners, Marin County. The Marin Rock Co. submitted a bid of \$2,050 for grading the beach from Willow Camp to the San Rafael-Bolinas road at Wilkin's Place. The bid was taken under advisement.

RICHMOND, CONTRA COSTA CO., CAL.—Street paving. Cost not stated. Engineer, City Engineer, Richmond. Owners, City of Richmond. Bids will be received by the City Council until May 17th at 8 p. m. for considerable macadam, Richmond standard type. The work includes pavement on Mary street, Cutting Boulevard and other streets in the Pullman Tract. Sidewalks, gutters and curbs are included. Plans and specifications can be secured from the City Clerk.

SANTA CRUZ, SANTA CRUZ CO., CAL.—Sewer work. Cost not stated. Engineer, City Engineer, Santa Cruz. Owners, City of Santa Cruz. Plans and specifications for the construction of a sewer in King street from Bay to Olive streets, prepared by the City Engineer, have been adopted by the City Council, and bids on the work will soon be called for.

Contracts Awarded.

SALINAS, MONTEREY CO., CAL.—Highway construction, \$12,286.52. Engineer, County Surveyor, Salinas. Owners, Monterey County. Contractors, Granite Rock Co., Salinas. Contract price, \$12,286.52.

MODESTO, STANISLAUS CO., CAL.—Irrigation fill, \$19,493.16. Engineer, Herrmann, Monadnock Bldg., S. F. Owners, Modesto Irrigation District. Contractors, Peart Bros., Oakdale. Contract price, \$19,493.15.

PETALUMA, SONOMA CO., CAL.—Street paving, \$14,665. Engineer, City Engineer, Petaluma. Owners, City of Petaluma. Contractors, Eaton & Smith, S. F. Contract price \$14,665.

NAPA, NAPA CO., CAL.—Street paving, \$6,221.87 and \$1,288.16. Engineer, City Engineer, Napa. Owners, City of Napa. Contractor, George Errington, Napa, \$6,221.87, and F. A. Burge, Napa, \$1,288.16.

CONCORD, CONTRA COSTA CO., CAL.—Street paving, oil macadam. Cost not stated. Engineer, City Engineer, Concord. Owners, City of Concord. Contractors, Municipal Improvement Co., Concord. Contract includes 22 blocks, but no contract price is stated.

HEALDSBURG, SONOMA CO., CAL.—Street paving, etc. Cost not stated. Engineer, City Engineer, Healdsburg. Owners, City of Healdsburg. Contractors, City Street Improvement Co., S. F. Contract price 18c per square foot for pavement, including grading; 65c per square foot for curbing; 17c per square foot for gutters and \$3 per lineal foot for cast iron pipe culverts.

REDWOOD CITY, SAN MATEO CO., CAL.—Highway work. Cost as follows. Engineer, County Surveyor, Redwood City. Owners, San Mateo County. Contractors, Blanchard-Brown Co., S. F., 8,932 miles, \$31,367.08; James Willison, Redwood City, 6,005 miles, \$25,665.82, and Wrightson, Anderson & Yost, Redwood City, 4,23 miles, \$28,558.55.

SCHOOLS.

NEWARK, ALAMEDA CO., CAL.—School, 1 story and base, frame, \$18,000. Architect, A. Silva, Centerville. Owners, Newark School District. Plans have been approved by the Newark Board of Education for a one-story frame structure with an open court 80 by 90 feet. Surrounding the court there will be six standard size class rooms and an auditorium. Interior finish will be of pine with some maple floors. There will be a central heating system, probably hot air heat, with an oil burning plant. Modern school plumbing is specified. The exterior of the building will be faced with cement plaster on metal lath. Plans are now being prepared, and bids will be called for shortly.

OAKLAND, CAL.—Field house and rough and finish plumbing. Cost not stated. Architect, none. Owners, City of Oakland. Plans have been completed and figures are now being taken for a field house containing store rooms, shower baths and play room which is to be erected at the Hawthorne school. Plans are also complete and figures are being taken for the rough and finish plumbing and plumbing fixtures for the Peralta School. Plans and complete information can be secured from the purchasing agent on the 11th floor of the City Hall. Bids will close on May 18th at 4:30 p. m. An official proposal appears in another column of this issue.

BAKERSFIELD, KERN CO., CAL.—School, 1 story and base, frame, \$8,000. Architect, Thomas B. Wiseman, Producers' National Bank Bldg., Bakersfield. Owners, Panama School District. The building has been designed for a rural school and will contain three class rooms, teachers' room and library. Interior finish will be of pine

and redwood. Some maple floors will be used. Exterior of the building will be covered with rustic and cement plaster. Plans are now being prepared.

FAIR OAKS, SACRAMENTO CO., CAL.—School, 1 story and base, frame and reinforced concrete or hollow tile construction, \$30,000. Architect, Geo. C. Sellon, 1005 K street, Sacramento. Owners, San Juan Union High School District. The building has been designed in the Mission style and will contain eight class rooms, assembly hall and library, principal's office and teachers' room. Interior finish will be of pine throughout. Maple floors will be used in the class rooms. Plans provide for a central heating system, probably steam heat with an oil burning equipment. Modern school plumbing is specified. Exterior of the building will be covered with cement plaster on metal lath. Plans are complete and figures are now being taken. Bids will close in about two weeks. Plans and specifications can be secured from the architect.

CHICO, BUTTE CO., CAL.—School. Cost not stated. Architect, State Architect, George B. McDougall. Owners, State of California. New figures have been called for on the construction of the model rural school which will be erected at the Chico State Normal School. The building will contain but one room. Exterior will be covered with rustic or cement plaster on metal lath. Plans are now out for figures and bids will be opened on May 18th. Plans and specifications can be secured from the State Department of Engineering at Sacramento.

EL CENTRO, IMPERIAL CO., CAL.—School, 1 story and base, brick, \$30,000. Architect, Fred T. Harris, Holt Bldg., El Centro. Owners, El Centro High School District. The building has been designed in the Mission style and will cover a considerable ground area. There will be eight class rooms, auditorium seating 500 people, library and principal's office. Interior finish will be of pine with maple floors in the class rooms and auditorium. Modern school plumbing and heating are specified. A vacuum cleaning system and program clocks will be installed. Exterior of the building will be faced with cement plaster. Plans are being prepared.

LOS ANGELES, CAL.—School, 1 story and base, hollow tile construction. Cost not stated. Architects, Allison & Allison, Hibernian Bldg., L. A. Owners, City and County of Los Angeles. The building has been designed for a four-room school and will be erected in the Gallatin School District. Interior finish will be of pine throughout. Maple floors will be used in the class rooms. There will be a central heating system, modern school plumbing and vacuum cleaning. Exterior of the building will be faced with cement plaster. Plans are complete and bids will be opened on May 17th. Plans and specifications can be secured from the architects.

LOS ANGELES, CAL.—School, 2 story and base, brick, \$45,000. Architects, A. W. Reed and C. E. Garstang, Black Bldg., L. A. Owners, City of Los Angeles. The building will be erected on Budlong avenue near 59th street, covering an area of 152 by 70 feet. There will be ten class rooms and an auditorium. Stairways will be of rein-

forced concrete. Maple floors will be used in the class rooms and auditorium. Interior will be finished in pine. There will be steam heat, vacuum cleaning and program clocks. Exterior of the building will be faced with pressed brick. Plans are complete and figures are now being taken. Bids will be opened on May 20th. Plans and specifications can be secured from the Superintendent of Schools, Security Building.

LOS ANGELES, CAL.—School, 2 story and base. Class C construction, \$30,000. Architect, H. W. Glidden, Wright and Callender Bldg., L. A. Owners, City of Los Angeles. The building will be erected on Amelia street near Jackson, and has been designed to contain nine class rooms, auditorium and principal's office. Interior will be finished in pine with maple floors in the class rooms. There will be a central heating system, vacuum cleaning, program clocks and modern school plumbing. Exterior of the building will be faced with cement plaster. Plans are now being prepared.

OAKLAND, CAL.—School gymnasium, 1 story, frame and plaster, \$6,000. Architect, Julia Morgan, Holbrook Bldg., S. F. Owners, Mills College. The building will be erected as an addition to the present gymnasium, and has been designed to contain bowling alleys. Interior finish will be of pine. Exterior will be covered with cement plaster on metal lath. Plans are nearly ready for figures.

Contracts Awarded.

SEBASTOPOL, SONOMA CO., CAL.—School, 1 story and base, frame, \$13,814. Architects, Thomas M. Edwards and Ernest L. Norberg, Bank Bldg., Burlingame. Owners, Sebastopol School District. Contractor, M. E. Parfitt, Sebastopol. Contract price, \$13,814.

PORTLAND, ORE.—School, 1 story and base, frame and concrete, \$25,635. Architect, F. A. Naramore, Portland. Owners, Kennedy School District. Contractor, John Almetar, 294 East 51st street, Portland. Contract price, \$25,635.

LOS ANGELES, CAL.—School, 1 story and base, brick and concrete, \$23,600. Architect, A. T. Large, Currier Bldg., L. A. Owners, City of Los Angeles. Contractor, Charles S. McCully, 2751 Francis avenue, L. A. Contract price, \$23,600.

LOS ANGELES, CAL.—School, 2 story and base. Class C construction, \$39,138. Architects, Hudson & Munsell, Stimson Bldg., L. A. Owners, City of Los Angeles. Contractor, C. S. Blodgett, 829 Crocker street, L. A. Contract price, \$39,138.

LOS ANGELES, CAL.—School, 2 story and base. Class A construction, \$31,540. Architect, A. C. Martin, Higgins Bldg., L. A. Owners, City of Los Angeles. Contractors, Alta Planing Mill, 830 McGarry street, L. A. Contract price, \$31,540.

SAN FERNANDO, LOS ANGELES CO., CAL.—School, 1 and 2 story and base, reinforced concrete. Costs as follows. Architect, John C. Austin, Baker-Detwiler Bldg., L. A. Owners, San Fernando Union High School District. Contractor, John Mulder, 143 Rose street, L. A., auditorium and mechanical arts buildings, \$39,354 and \$12,357. George C. Condon, Wesley-

Roberts Bldg., San Fernando science building, \$12,800.

GRIDLEY, BUTTE CO., CAL.—School, 2 story and base, frame, \$9,995. Architect, none. Owners, City of Gridley. Contractors, Barton & Hite, Sacramento. Contract price, \$9,995.

SEWER o

STORES AND OFFICES.

SAN FRANCISCO—Lofts, 3 story and base. Class C construction, \$15,000. Architect, Milton Litchenstein, 111 Ellis street, S. F. Owner's name withheld. The building will be erected on Stockton street, having a frontage of 60 feet by a depth of 80 feet. There will be one store on the first floor. Upper two floors will be arranged for light lofts. Interior finish will be of pine and redwood. There will be an elevator and steam heat. Modern plumbing is specified. Patent store fronts will be installed. Exterior of the building will be finished in pressed brick trimmed with terra cotta. Plans are now being prepared.

RICHMOND, CONTRA COSTA CO., CAL.—Stores, 1 story and base, brick, \$3,000. Architect, James T. Narbett, Berry Bldg., Richmond. Owner, Frederick C. Seham. The building will cover an area of 30 by 80 feet and has been designed to contain one store. Interior finish will be of pine throughout. Patent store fronts are specified. Exterior of the building will be faced with enamel brick. Plans are complete and figures are now being taken.

SACRAMENTO, CAL.—Stores and offices, 4 story and base. Class A construction, \$50,000. Architect, E. C. Jennings, 1005 K street, Sacramento. Owner, Daniel W. Carmichael. The building will be erected at the southeast corner of 8th and J streets, having a frontage on 8th street of 40 feet and on J street of 90 feet. There will be three modern stores on the ground floor and a total of thirty-two modern offices on the upper three floors. Plans provide for a complete steel frame with brick walls, faced with enameled brick, trimmed with terra cotta and cut stone. There will be steam heat, elevator service, modern plumbing, a hot water supply and special fireproof vaults. Metal window sash and frames and patent store fronts are specified. Interior of the first floor will be finished in hardwood with ornamental plaster. Upper floors will be finished in pine and hardwood. Marble wainscot and bases are specified. Hollow tile interior partitions will be used. Plans provide for sidewalk doors, lifts and lights.

SAN FRANCISCO—Store, 1 story and base. Class C construction. Cost not stated. Architect, Louis C. Mulgardt, Chronicle Bldg., S. F. Owners, E. A. Howard & Co. The work to be undertaken at the present time calls for only the concrete foundation work, and is estimated at \$6,000. The work will be done by Day Labor. Details of the building will be given later.

OAKLAND, CAL.—Store mezzanine floor, steel and concrete. Cost not stated. Architects, Allen Yerrick and Harvey Smith, Blake Bldg., Oakland. Owners, Miller Creamery Co. A large mezzanine floor will be constructed in the building at 2941 Broadway. The work will include structural steel, re-

inforced concrete, interior finish, plumbing, electric work and painting. Plans are complete and in the hands of the owners who are letting sub-contracts.

LOS ANGELES, CAL.—Bank and offices, 1 and 5 story and base. Class A construction. Cost not stated. Architects, Parkinson & Bergstrom, Security Bldg., L. A. Owners, Security National Bank. The building will be erected on Spring street, adjoining the bank's present building. The one-story portion will be occupied by the bank and will be finished in hardwoods, ornamental plaster and bronze. Tile floor will be used. The five-story portion will be arranged for offices and will be finished in pine and hardwood. There will be elevator service, hot water supply and vacuum cleaning. Patent store fronts are specified. Metal window sash and frames will be installed. Exterior of the building will be faced with pressed brick and terra cotta. Plans will shortly be out for figures and contracts will be let, although the work will not be started before November.

Contracts Awarded.

SACRAMENTO, CAL.—Stores and offices, 4 story and base. Class A construction, \$50,000. Architect, Hemmings, 1005 K street, Sacramento. Owner, David Carmichael. Contractor, J. Harry Wygant, Sacramento. Contract price, \$50,000.

SEALED PROPOSALS

PROPOSALS FOR LIGHT FIXTURES.

LIGHT FIXTURES—Sealed proposals, endorsed "Proposals for Electric Light Fixtures," will be received at the bureau of yards and docks, Navy Department, Washington, D. C., until 11 o'clock a. m. June 5, 1915, and then there publicly opened, for electric light fixtures for the naval hospital building, Naval Station, Pearl Harbor, Hawaii. Plans and specifications may be obtained on application to the bureau or to the commandant of the Naval Station Honolulu, Hawaii. H. R. STANFORD chief of bureau.

STATE OF CALIFORNIA.

DEPARTMENT OF ENGINEERING.

CALIFORNIA HIGHWAY COMMISSION

NOTICE TO CONTRACTORS.

SEALED PROPOSALS will be received at the office of the California Highway Commission, 515 Forum Building, Sacramento, Cal., until 2 o'clock P. M. on June 1, 1915, at which time they will be publicly opened and read for construction in accordance with the specifications therefor, to which special reference is made, portions of State highway as follows:

Humboldt County from Jordan Creek to Rio Dell (I-Hum-1-E), about 6.9 miles in length, to be graded.

Colusa County from Colusa Junction to the Northerly Boundary (III-Col-7-C), about 10.6 miles in length, to be paved with Portland cement concrete.

Monterey County from Chualar to Salinas (V-Mon-2-B), about 10.3 miles in length, 4.7 miles of which is to be paved with Portland cement concrete.

Tulare County from Westerly Boundary to the Southern Pacific Railroad (VI-Tul-10-A), about 3.9 miles in length, to be paved with Portland cement concrete.

Plans may be seen, and forms of proposals, bonds, contract, and specifications may be obtained, at the said office, and they may be seen at the office of the Division Engineers at Los Angeles and San Francisco, and at the office of the Division Engineer of the

division in which the work is situated. The Division Engineers' offices are located at Willits, Dunsmuir, Sacramento, San Francisco, San Luis Obispo, Fresno, and Los Angeles.

No bid will be received unless it is made on a blank form furnished by the Commission. The special attention of prospective bidders is called to the "Notice to Contractors" annexed to the blank form of proposal, for full directions as to bidding, quantities of work to be done, etc.

The Department of Engineering reserves the right to reject any or all bids or to accept the bid deemed for the best interests of the State.

CHARLES D. BLANEY,
NEWELL D. DARLINGTON,
CHARLES F. STERN,
California Highway Commission.
AUSTIN B. FLETCHER,
Highway Engineer.
WILSON R. ELLIS,
Secretary. (*)

Dated: May 4, 1915.

PROPOSALS FOR BUILDING AND PLUMBING.

THE BOARD OF EDUCATION of the City of Oakland and of Oakland School District of Alameda County, State of California, requests and will receive bids for the furnishing of all the materials, labor and workmanship required in connection with each one of the following groups of work (lettered A to B) both inclusive to wit:

(a) For one Field House containing one dressing room with supply room, showers, sanitary conveniences and other work in connection therewith, to be erected on the grounds of the Hawthorne School located on the property bounded by Fruitvale avenue, East Seventeenth street Twenty-eighth avenue and Tallant street.

(b) For the Rough and Finished Plumbing and fixtures and other work in connection therewith to be installed in the Peralta School located on the Dana and Colby.

Bidders may submit proposals on one of more of the above enumerated groups, but no bid which combines two (2) or more of the groups in one figure will be considered.

All bids shall be deposited by the bidder or his agent prior to the hour of 4:30 P. M. on Tuesday May 18, 1915, in the office of the Purchasing Agent of the Board, located on the eleventh floor of the City Hall, Washington street, between Fourteenth and Fifteenth, Oakland, Cal. All bids will be opened, examined and publicly declared by the said Board of Education while in open session in their Board room on the eleventh floor of the said City Hall at the hour of 4:30 P. M. on the said May 18, 1915.

Each bid must be accompanied by a separate check, certified by a responsible bank, in an amount not less than 10% of said bid, and made payable to the order of A. L. Hannaford, Secretary of the Board.

All information relative to the requirements for bidding, and all directions necessary to explain and make definite any of the provisions required will be given upon application at the office of the Purchasing Agent of the Board of Education.

The right is reserved to the Board to reject any and all bids submitted.

By order of the Board of Education of the City of Oakland, and of Oakland School District of Alameda County, State of California.

H. W. BRIDGMAN,
Purchasing Agent of the Board of Education.

PROPOSALS FOR CANAL SUPPLIES.

PANAMA CIRCULAR 923—Proposals for Dynamite, Safety Fuse, Blasting Caps, Detonators, Motor-Driven Fire and Sewer Pumps, Cast-Iron Pipe and Fittings, Steel Cable, Boat Spikes, Track Spikes, Nails, Screws, Babbitt Metal, Sheet Brass, Bronze Bars, Copper Bars, Brass Tubing, Copper Tubing, Sheet Lead, Lead Pipe, Solder, Valves, Cocks, Water Gages, Door Checks, Door Bolts, Hinges, Turn-Buckles, Tackle Blocks, Coal Shovels, Ammeters, Voltmeters, Doubletrees, Drain Boards, Manila Rope, Leather, Rubber Bands, and Paper.—Sealed proposals will be received at the office of

the general purchasing officer, the Panama Canal, Washington, D. C., until 10:30 a. m. May 26, 1915, at which time they will be opened in public for furnishing the above mentioned articles. Blanks and general information relating to this circular (No. 923) may be obtained from this office or the office of the assistant purchasing agent, 1086 North Point street, San Francisco, Cal.; also from the U. S. engineer offices in the following cities: Seattle, Wash.; Los Angeles, Cal. F. C. BOGGS, Major, Corps of Engineers, U. S. A., general purchasing officer.

PROPOSALS FOR BUILDING.

BUILDING—Department of the Interior, Office of Indian Affairs, Washington, D. C.—Sealed proposals, plainly marked on the outside of the sealed envelope "Proposals for Constructing Two Brick Cottage Dormitories, Pueblo Bonito School, New Mexico," addressed to the Commissioner of Indian Affairs, Washington, D. C., will be received in the Indian Office until 2 o'clock p. m. May 25, 1915, for furnishing material and labor for the erection of two brick cottage dormitories at the Pueblo Bonito School, New Mexico, in strict accordance with the plans, specifications, and instructions to bidders, which may be examined at this office, United States Indian warehouses at Chicago, Ill., and St. Louis, Mo.; the Builders and Traders Exchange, St. Paul, Minn., and at the Pueblo Bonito School, New Mexico. For further information apply to the superintendent of Pueblo Bonito School, Crownpoint, N. Mex. CATO SELLS, commissioner.

PROPOSALS FOR BUILDING.

BUILDING—Sealed proposals, endorsed "Proposals for Torpedo Storehouse," will be received at the bureau of yards and docks, Navy Department, Washington, D. C., until 11 o'clock a. m. May 20, 1915, and then and there publicly opened, for a fireproof torpedo storehouse at the naval torpedo station, Keyport, Puget Sound, Wash. Plans and specifications may be obtained on application to the bureau or to the commandant of the navy yard, Bremerton, Wash. H. R. STANFORD, Chief of Bureau.

PROPOSALS FOR CANAL SUPPLIES.

PANAMA CIRCULAR 921—Proposals for Steel Rolling Doors for Shed on Pier No. 18, Balboa.—Sealed proposals will be received at the office of the general purchasing officer, the Panama Canal, Washington, D. C., until 10:30 a. m. May 17, 1915, at which time they will be opened in public, for furnishing or furnishing and erecting the above mentioned articles. Blanks and general information relating to this circular (No. 921) may be obtained from this office or the office of the assistant purchasing agent, 1081 North Point street, San Francisco, Cal.; also from the U. S. engineer offices in the following cities: Seattle, Wash.; Los Angeles, Cal. F. C. BOGGS, major, corps of engineers, U. S. army, general purchasing officer.

PROPOSALS FOR CANAL SUPPLIES.

CANAL CIRCULAR 924—Office General Purchasing Officer, Panama Canal, Washington, D. C.—Sealed proposals will be received here until May 22 under circular 924 for furnishing 72 brass cuspidors, 150 manhole asbestos gaskets, 185 double-thick window glass, 1,100 feet rubber suction hose, complete, with couplings; 1,000 feet rubber water hose, complete, with couplings; 100 cases toilet paper, in rolls; 100 perforated chair seats, 150 pounds large sponges, 400 feet double leather belting; 72 calamine brushes, 1,800 flat paint brushes, 400 hand scrub brushes, 288 flat bristle varnish brushes, 10,000 pounds calcium carbide, 50 gross metalworkers' crayons, 500 large garbage cans, 3,000 yards No. 3 11 inches wide duck canvas, 5,000 feet wire-wound rubber steam hose, 6,000 feet rubber lined canvas fire hose, 1,500 pieces flat magnesia boiler lagging, 1,000 feet wire-wound rubber air hose, 30 galvanized-iron

water coolers, 1,200 white vitrified china coffee cups, 2,400 coffee saucers, 6 steel cake grids, 20 barrels Stockholm tar, 300 pounds rubber packing, pure gum, 500 pounds rubber sheet packing, wire insertion, 450 pounds square braided flax packing, 350 pounds square spiral steam packing, 300 glass iced-tea pitchers, 250 rolls galvanized-wire poultry netting, 15,000 pounds soap polish, 2,000 pounds tarred marline, 3,000 pounds metal polish, and 300 gallons lard oil, in 5-gallon tins. For further information address F. C. BOGGS, Major, Corps of Engineers, U. S. A., general purchasing officer.

PROPOSALS FOR EXCAVATING AND CONCRETE.

EXCAVATING AND CONCRETE—Department of the Interior, U. S. Reclamation Service, Washington, D. C.—Sealed proposals will be received at the office of the U. S. Reclamation Service, Provo, Utah, until 2 o'clock p. m. May 19, 1915, for construction involving about 30,000 yards of canal excavation and 3,400 yards of reinforced concrete. The work is located near Payson City, Utah, on the San Pedro, Los Angeles and Salt Lake R. R. and the Tintic branch of the Denver and Rio Grande R. R. For particulars address the U. S. Reclamation Service, Provo, Utah, or Washington, D. C. A. P. DAVIS, chief engineer.

PROPOSALS FOR CANAL SUPPLIES.

PANAMA CIRCULAR 920—Proposals for Galvanized Sheet Iron or Steel, Stay Bolt Iron, Cast Iron Water Pipe, Bolts, Mule Shoes, Flush Pipe, Screws, Files, Transformers, Generators, Switchboards, Electric Cable, Electric Wire, Soft Iron Wire, Fire Hydrants, Service and Valve Boxes, Life Preservers, Paper Drinking Cups, and Alfalfa Hay.—Sealed proposals will be received at the office of the general purchasing officer, the Panama Canal, Washington, D. C., until 10:30 a. m. May 13, 1915, at which time they will be opened in public, for furnishing the above mentioned articles. Blanks and general information relating to this circular (No. 920) may be obtained from this office or the office of the assistant purchasing agent, 1086 North Point street, San Francisco, Cal.; also from the U. S. engineer offices in the following cities: Seattle, Wash.; Los Angeles, Cal. F. C. BOGGS, major, corps of engineers, U. S. army, general purchasing officer.

PROPOSAL FOR BIDS.

SEALED BIDS will be received at the Office of Lewis P. Hobart, Crocker Building, San Francisco, Cal., at or before the times hereafter mentioned, for the Excavation, Steel Erection, Concrete Work for Foundation and Fireproofing of the Structural Frame and other Concrete Work in connection with the building, for the University Hospital at Fourth and Parnassus Aves., San Francisco, as per plans and specifications on file at said Office. The times of opening of the bids will be as follows:

Excavation, 11 A. M., May 12, 1915.
Steel Erection, 11 A. M., May 14, 1915.
Concrete Work for Foundation, 11 A. M., May 17, 1915.
Fire-Proofing of the Structural Frame and other Concrete Work, 11 A. M., May 18, 1915.

A deposit of \$5.00 will be required for each set of plans and specifications, which deposit will be refunded upon return of said plans and specifications.

No bids will be received unless accompanied by check or bond in favor of the undersigned, equal to 10% of the bid, to secure execution of the contract by the successful bidder.

The right is reserved to reject any or all bids.

THE REGENTS OF THE UNIVERSITY OF CALIFORNIA. (C)

NOTICE TO CONTRACTORS.

OFFICE CONSTRUCTING QUARTERMASTER, Fort Mason, Cal., May 3, 1915.—SEALED PROPOSALS, in triplicate,

for constructing an Addition to Post Exchange and Gymnasium, Fort Baker, Cal., will be received here until 11:00 A. M., May 18, 1915, and then opened. Plans, specifications, blanks and necessary information obtained here. Deposit of \$10.00 required to insure return of plans, etc. Proposals to be enclosed in sealed envelopes and addressed LT. COL. GEO. MCK. WILLIAMSON, Q. M. C. (*)

PROPOSALS FOR WATER AND SEWER WORK.

WATER AND SEWER WORK—Sealed proposals indorsed "Proposals for Sewer and Water Systems" will be received at the bureau of yards and docks, Navy Department, Washington, D. C., until 11 o'clock a. m. May 15, 1915, and then and there publicly opened for sewer and water systems at the naval radio station, San Diego, Cal. Plans and specifications can be obtained on application to the bureau or to the commanding officer of the naval coal depot, San Diego, Cal. H. R. STANFORD, chief of bureau.

NOTICE TO CONTRACTORS.

SEALED BIDS will be received by W. F. McClure, State Engineer, Forum Building, Sacramento, California, up to and including 12 o'clock, noon, Tuesday, May 18, 1915, said bids then and there to be publicly opened and read for furnishing all plant, materials, and labor, and doing the work required for the complete construction and erection of a building to be known as the Model Rural School, Chico State Normal School, Chico, California, in accordance with the plans and specifications therefore, copies of which may be obtained on application to the State Department of Engineering, Sacramento, California.

Such bids will be received for the Entire Work, and must be submitted on forms prepared and furnished by the State Department of Engineering. Cash, a bidder's bond, or a certified check in the sum of ten per centum (10%) of the amount of the bid must accompany each bid.

A deposit of Ten (\$10.00) Dollars will be required on plans and specifications, the deposit to be returned immediately on the return of the plans and specifications to the State Department of Engineering at Sacramento, California, in good condition.

The State Department of Engineering reserves the right to reject any and all bids and to waive any informality in any bid received.

All bids must be addressed to W. F. McClure, State Engineer, Sacramento, California, and plainly marked on the envelope: "Proposal for Model Rural School, Chico State Normal School, Chico, California."

(Signed) W. F. MCCLURE,
State Engineer.

NOTICE TO CONTRACTORS.

OFFICE of Constructing Quartermaster, Fort Mason, Cal., April 19, 1915.—Sealed proposals, in triplicate, for constructing a Storehouse for Combustibles and a Garage for Motor Ambulances at Letterman General Hospital, Presidio of San Francisco, Cal., will be received here until 11 A. M., May 10, 1915, and then opened. Plans, specifications, blanks and necessary information obtained here. Deposit of \$10.00 each required to insure return of plans, etc. Envelopes containing proposals to be enclosed in sealed envelopes and marked Lt. Col. Geo. McK. Williamson, Q. M. C.

The question of a proposed referendum on the non-partisan election law seems to be troubling the Chronicle. A week or two ago it was printing cartoons showing how the people would respect the nefarious law when it comes to a general election. Now that it is proposed to beat the politicians to it and place the law squarely up to the people at once the Chronicle is howling about the unnecessary expense.

ADVANCE NEWS

Classified according to Location

SAN FRANCISCO.

RESIDENCE—2 story and base, frame, \$3,000. San Francisco. Architect, none. Owner, J. C. Kirby, 2152 Market street, S. F. The dwelling will be erected on the west side of 12th avenue north of Anza, and has been designed to contain six rooms, bath and sleeping porch. The basement will be occupied by a private garage. Interior will be finished in pine with some elm panels. Hardwood floors will be used in the living room, dining room and reception hall. There will be a large open fire place with tile or brick mantel. Tile wainscot will be used in the bath room. An automatic water heater is specified. Exterior of the dwelling will be covered with rustic and cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor. Materials are now being purchased.

APARTMENT HOUSE—5 story and base. Class C, reinforced concrete, \$62,000. San Francisco. Architect, O. R. Thayer 20 Montgomery street, S. F. Owners, Metropolis Investment Co. The building has been designed to contain four stores on the first floor besides the office, reading room and lobby of the apartment house. The building will have a frontage of 60 feet and a depth of 137½ feet. Upper floors will contain a total of ninety rooms, arranged in suites of two and three rooms, with private baths and wall beds. Interior finish will be of pine and hardwood. Hardwood floors will be used in the living rooms and dining rooms. Plans provide for steam heat, an automatic elevator, vacuum cleaning, a hot water supply and all other modern conveniences. Bath rooms will be finished in pine. Exterior of the building will be faced with cement plaster blocked off in imitation of stone and polychrome terra cotta. Plans are complete and segregated figures are now being taken.

APARTMENT HOUSE—4 story and base. Class C construction, \$50,000. San Francisco. Architect, A. W. Bergren, Holbrook Bldg., S. F. Owner's name withheld. The building will be erected on Hyde street near Geary, and will cover a considerable ground area. Interior has been arranged for a number of two, three and four room suites. All apartments will have private baths and wall beds. Interior finish will be of pine and redwood with some elm panels. Hardwood floors will be used in the living rooms and dining rooms. Bath rooms will have tile wainscot and floors and will be equipped with high grade plumbing fixtures. Plans provide for steam heat, an automatic elevator, vacuum cleaning and a hot water supply. Marble and tile wainscot will be used in the entrance lobby. Exterior of the building will be faced with pressed brick trimmed with terra cotta. Plans are complete and figures

are being taken both as a whole and segregated.

FLATS—2 story and base, frame, \$3,000. San Francisco. Architect, none. Owner, Erino Marcino 118 Mississippi street S. F. The building will be erected on the east side of Connecticut street south of 17th, covering an area of 25 by 50 feet. There will be two flats of five and six rooms with a private garage in the basement. Interior finish will be of pine throughout. Some oak floors are specified. There will be a large open fire place in each living room with a tile or brick mantel. Tile wainscot will be used in the bath rooms. Automatic water heaters will be installed. Exterior of the building will be covered with rustic and shiplap. Plans are complete and in the hands of the owner who will do the work by Day Labor. Materials are now being purchased.

FLATS—2 story and base, frame, \$7,500. San Francisco. Architects, Fabre & Bearwald, Merchants' National Bank Bldg., S. F. Owner, Jules Marty. The building will be erected on Shotwell street, between 25th and 26th, and has been designed to contain two modern flats of five and six rooms. Interiors will be finished in pine with some elm panels. Hardwood floors will be used in the principal rooms. There will be open fire places with tile or brick mantels. Tile wainscot will be used in the bath rooms. Automatic water heaters are specified. Exterior of the building will be covered with rustic and cement plaster on metal lath. Plans are complete and figures are now being taken.

WAREHOUSE—7 story and base. Class C construction, \$75,000. San Francisco. Architect, Edmond Kollofrath, 560 Belvedere, S. F. Owners, Merchants Ice and Cold Storage Co., Lombard and Battery streets, S. F. Work is about to be started on extensive improvements that are to be made on the Merchants Ice and Cold Storage Co. property on the south line of Lombard street, between Sansome and Montgomery. Original plans were prepared for two smaller buildings, but since have been changed and a seven-story structure covering an area of 51-8 by 88-8 will be erected. Construction will be of steel and brick. Interior partitions will be of hollow tile. Little or no interior finish is specified. Plans provide for a large amount of special cold storage machinery, a freight elevator, metal window sash and frames, and special fire protection. Exterior of the building will be faced with stock brick. Plans are complete and the majority of the work will be done by Day Labor. A contract for the structural steel has been awarded to the Vulcan Iron Works, and the brick work has been awarded to H. H. Larsen & Bros.

FIRE HOUSES—2, 2 story and base. Class C construction, \$30,000 and \$41,000. San Francisco. Architects, Ward

& Blohme, Alaska Commercial Bldg., S. F. Owners, City and County of San Francisco. The Board of Public Works has requested the Supervisors to adopt resolutions to provide for the construction of these two buildings. The \$30,000 structure will be erected on the south side of Post street, between Polk and Larkin, while the \$41,000 building will be erected on Powell street, between Broadway and Fisher Alley. The two buildings have been described in these columns. Further mention will be made of the work when plans are complete and figures are called for.

DETENTION HOME—4 story and base. Class A construction, \$150,000. San Francisco. Architect, Louis C. Mullgardt, Chronicle Bldg., S. F. Owners, City and County of San Francisco. Plans have been completed and approved for the construction of a new Juvenile Detention Home which is to be erected on the west side of Otis street between Duboce and McCoppin. The Supervisors have been asked by the Board of Public Works to pass a resolution calling for bids. Further mention will be made of this work when such action has been taken.

JAIL HEATING AND VENTILATING SYSTEM COMPLETION—\$429. San Francisco. Architect, City Department of Architecture, Temporary City Hall, S. F. Owners, City and County of San Francisco. Bids opened at the last meeting of the Board of Public Works for the completion of the heating and ventilating system in the City and County Jail Building, show the Siebert Co. low at \$449. They will be awarded the contract. A complete list of these figures will be found under the heading of San Francisco in this issue.

CITY HALL LIGHTING FIXTURES \$22,000. San Francisco. Architects, Bakewell & Brown, 251 Kearny street, S. F. Owners, City and County of San Francisco. Bids will be called for shortly for furnishing the electric lighting fixtures for the new City Hall. An estimated cost of \$22,000 has been placed on this work. Bids will also be called for shortly by the Board of Public Works for the purchase of special stationary furniture for the City Hall. This work will cost in the neighborhood of \$90,000. Further mention will be made of the work when figures are called for.

LOFTS—3 story and base. Class C construction, \$10,000. San Francisco. Architect, Milton Litchenstein, 111 Ellis street, S. F. Owner's name withheld. The building will be erected on Stockton street, having a frontage of 60 feet by a depth of 88 feet. There will be one store on the first floor. Upper two floors will be arranged for light lofts. Interior finish will be of pine and redwood. There will be an elevator and steam heat. Modern plumbing is specified. Patent store fronts will be installed. Exterior of the building will be finished in pressed

brick trimmed with terra cotta. Plans are now being prepared.

MUNICIPAL CAR BARN GENERATORS—\$1,656. San Francisco. Engineer, City Engineer, Temporary City Hall, S. F. Owners, City and County of San Francisco. Bids opened at the Friday meeting of the Board of Public Works for furnishing generator sets for the 17th street car barns show the Butte Electric and Engineering Co. low on the work at \$1,656. They will be awarded the contract. A complete list of the bids submitted appears under the heading of San Francisco in this issue.

RESIDENCE—2 story and base, frame, \$2,500. San Francisco. Architect, none. Owner, J. H. Phillips, 228 23rd avenue, S. F. The dwelling has been designed for a six-room house and will be erected on the east side of 17th avenue south of Anza. Interior will be finished in pine throughout. There will be an open fire place in the living room. Mantel will be of tile. Some hardwood floors will be used. Bath room will be finished in tile. An automatic water heater will be specified. Exterior of the dwelling will be covered with rustic and cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor.

RESIDENCE—2 story and base, frame, \$2,500. San Francisco. Architect, none. Owner, F. Nelson, 30 Presidio Terrace, S. F. The dwelling will be erected on the north side of Irving street near 38th avenue, and has been designed for a five-room house with bath. Interior will be finished in pine and elm. Hardwood floors will be used in the living room and dining room. There will be an open fire place with tile or brick mantel. An automatic water heater will be installed. Exterior of the house will be covered with rustic and cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor.

RESIDENCES—7, 2 story and base, frame, \$2,500 each. San Francisco. Architect, E. E. Young, 251 Kearny street, S. F. Owner, Thomas Scoble, 363 14th avenue, S. F. These houses will be erected on property at the northwest corner of Balboa and 27th avenue, and each has been designed for a five-room dwelling with bath and sleeping porch. Interiors will be finished in pine and hardwood veneer. Hardwood floors will be used in the principal rooms. There will be large open fire places in the living rooms with tile or brick mantels. Tile wainscot will be used in the bath rooms. Automatic water heaters will be installed. Exteriors will be covered with rustic and cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor. Materials are now being purchased.

STORE—1 story and base. Class C construction. Cost not stated. San Francisco. Architect, Louis C. Mullgardt, Chronicle Bldg., S. F. Owners, E. A. Howard & Co. The work to be undertaken at the present time calls for only the concrete foundation work, and is estimated at \$6,000. The work will be done by Day Labor. Details of the building will be given later.

Harbor Board Open Bids For Heating.

Ten Bids Received By Harbor Commission for Steam Heating in New Post Office Building.

Bids were opened at the Thursday afternoon session of the State Board of Harbor Commissioners for furnishing and installing the heating system in the new post office building at the Ferry. Carl T. Doell, 467 21st street, Oakland, submitted the low figure at \$4,746 and will be awarded the contract. Following is a list of the bids as opened:

Steam Heating For Post Office.

Pacific Fire Extinguisher Co.	\$5,123
Carl T. Doell	4,746
Mangrum & Otter	5,775
Wittman-Lyman Co.	4,887
Atlas Heating & Ventilating Co.	4,985
Scott Company	5,195
Robert Dalziel Jr.	5,427
The Turner Co.	5,915
Petersen, James Co.	5,000
Kjernaas & O'Brien	5,563

City Bids Opened

Six bids were opened by the Board of Public Works at the regular Wednesday afternoon meeting for the completion of the heating and ventilating system in the jail portion of the Hall of Justice. Siebert & Co. submitted the lowest bid at \$449 and will be awarded the contract. Following is a complete list of the bids received:

Completing Heating System.

Atlas Heating & Ventilating Co.	\$675
Ideal Cornice Co.	700
Standard Sheet Metal Co.	826
Wittman, Lyman Co.	525
Scott Company	475
Siebert & Co.	449

Bommer Bros. Making Display At P. P. I. E.

Eastern Manufacturers Have Attractive Display of Builders' Hardware in Palace of Manufactures.

Bommer Bros., of Brooklyn, N. Y., manufacturers of the well known line of spring butts, floor hinges, etc., are represented at the Panama-Pacific International Exposition by a very complete display of their products in the Palace of Manufactures, corner 5th street and Avenue D, near the main south entrance.

It has long been the policy of this firm to make exhibits as a means of publicity, and numerous medals awarded them at the Expositions held in Liege, Paris, Chicago, Buffalo, St. Louis, and other cities, are included in the display and add their testimony to the merits of the goods.

The exhibit comprises samples of single and double-acting spring butts, lavatory hinges and trimmings, mortise and surface floor hinges of different types, screen door hinges and springs, and several specialties, including such

as door stops, garage and engine house bolts, all shown in a great variety of finishes.

An innovation featured in the display is the new "dome tip" pattern of spring butt, which Bommer Bros. have recently put on the market. This hinge while embodying all the mechanical principles of the new Bommer spring butt of the ball tip type, is of somewhat plainer design and of more massive appearance.

In the surface floor hinge, new improvements are shown, viz.: a very simple, yet positive release, which permits the door to swing free; oil holes which eliminate the necessity of removing plates for lubricating; and beveled oblong side plates to match the door hardware now so extensively used.

Space will not permit of a very comprehensive nor detailed account being gone into here, but Messrs. Bommer Bros. wish to extend, through the medium of this paper, a cordial invitation to visit their booth to all those in any way interested, and especially to Architects, Builders, and Dealers..

Building Contracts Awarded.

San Francisco

No.	Owner.	Contractor	Amt.
1312	Roller	Cole	1400
1313	New Process	Barrett	3000
1314	Sciutti	Carraro	1950
1315	Ryan	Grahn	1400
1316	Welch	Johnson	1000
1317	Spitich	Spitich	400
1318	Nelson	Nelson	2500
1319	Hamill	Hamill	3600
1320	Pantowsky	Novelty	400
1321	Cutler	Cutler	1000
1322	Olsen	Olsen	975
1323	Terminal	Brumfield	450
1324	Owl Drug Co.	Brumfield	450
1325	Purcell	Purcell	2250
1326	Miller	Stockholm	400
1327	Nelson	Nelson	2500
1328	Buckbee	Swenson	450
1329	Foster	Kleiser	800
1330	Oxford	Callaghan	450
1331	Brickell	Hannah	11200
1332	Figoni	Ratto	7000
1333	Ferreri	Ratto	7000
1334	Carson	Carson	2800
1335	Nelson	Nelson	2700
1336	Lyon	Hoag	4000
1337	Gaudet	Gaudet	1500
1338	Grant	Vermont	60
1339	Siipple	Witzelberger	9650
1340	Bothin	Bothin	600
1341	Walter	Walter	500
1342	Santa Fe	Santa Fe	4624
1343	McHugh	Keedy	1000
1344	Ferreiros	New Era	1600
1345	Ellis	Allen	1000
1346	Oelrichs	Ward	2000
1347	Peiser	Coburn	4611
1348	Caglieri	Martin	11400
1349	Realty & Rldg.	Jensen	12115
1350	Foerst	List	368
1351	Same	Conrad	4644
1352	Grant	Church	401
1353	Goldstein	Segurson	1600
1343	Pac Gas	U S Metal	700
1355	Rainier	Johns	31700
1356	Same	Turner	111750
1357	Monohan	Helms	1232
1358	Birch	Bouchard	5200
1359	Dehail	Petersen	2525
1360	Same	Wagner	2280
1361	Same	Central Elec	2250
1362	Same	S F Elevator	1475
1363	Aed'y Science	Sunset	300
1364	Same	Mangrum	1375
1365	Same	Am Marble	2300
1366	Foerst	Lang	840
1367	City&Co of SF	Pac Rolling	85433
1368	Vitagraph	Bell	650
1369	Graves	Steele	4295
1370	Lirati	De Favero	3435
1371	P P I E.	Mortenson	9282
1372	Turner	Dahnken	400
1373	Scott	Scott	400
1374	Great Western	Robinson	400
1375	Sperry	Sperry	450
1376	Whiting	Anderson	450
1377	Wiegel	Wiegel	425
1378	Kirby	Kirby	3000
1379	Cain	Wolf	400

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 Established 1886---Incorporated 1913
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 Fabricators and Contractors of Structural Steel and Ornamental Iron Work
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1380	Smith	Nicoll	1000
1381	Cook	Cook	700
1382	Marcino	Marcino	3000
1383	Schultes	Turner	1000
1384	Olcese	Olcese	400
1385	Ostrando	Ostrando	8080
1386	Pacific T & T	Owner	1000
1387	Forrest	Gesso	400
1388	Costello	Coburn	500
1389	Moreten	Moreten	400
1390	Holmgren	Holmgren	1950
1391	Crocker	Crocker	1200
1392	Behrens	Behrens	4850
1393	Kelly	Christiansen	4680
1394	Kelly	Kelly	580
1395	Hmstd Rlty	Grahn	2630
1396	Turner	Butcher	4250
1397	Same	Reinhart	3682
1398	Same	Holloway	3200
1399	Same	W'n Cornice	1514
1400	Goldstone	Parry	1860
1401	Scatena	Francesconi	1515

FRAME DWELLING
 (1318) E EIGHTEENTH AVE 25 S
 Geary. Two-story and basement
 frame dwelling.
 Owner.....Martin and Hans Nelson,
 515 Dolores, S. F.
 Architect...None.
 Day's work. COST, \$2800

FRAME DWELLING
 (1319) E FIFTEENTH AVE 292 S
 Geary. Two-story and basement
 frame dwelling.
 Owner.....Thos. Hamill, 268 25th
 Ave., San Francisco.
 Architect...None.
 Day's work. COST, \$3600

ELECTRIC SIGN
 (1320) SW GROVE AND LAGUNA.
 Electric sign.
 Owner.....J. Pantowsky, Premises.
 Architect...None.
 Contractor...Novelty Elec. Sign Co., 165
 Eddy, San Francisco.
 COST, \$400

REPAIRS
 (1321) NOS. 23-29 BRUCE. Repair
 fire damages.
 Owner.....M. Cutlor, Premises.
 Architect...None.
 Contractor...Theo. Hoin, 1449 Hyde,
 San Francisco.
 COST, \$900

ALTERATIONS
 (1322) NO. 46 COLLEGE AVE. Alter
 dwelling.
 Owner.....A. E. Olsen, 125 Jersey,
 San Francisco.
 Architect...None.
 Day's work. COST, \$975

ELECTRIC SIGN
 (1323) NO. 60 MARKET. Electric
 sign.
 Owner.....Hotel Terminal, Prem.
 Architect...None
 Contractor...Brumfield Elec. Sign Co.,
 18 7th, San Francisco.
 COST, \$450

(1324) SW MISSION & TWENTY-
 second. Electric sign.
 Owner.....The Owl Drug Co., 611
 Mission, San Francisco.
 Architect...None.
 Contractor...Brumfield Elec. Sign Co.,
 18 7th, San Francisco.
 COST, \$450

FRAME DWELLING
 (1325) W SIXTEENTH AVE 25 S Bal-
 boa. Two-story and basement frame
 dwelling.
 Owner.....J. S. Purcell, 856 Presidio
 Ave., San Francisco.
 Architect...None.
 Day's work. COST, \$2250

EXTEND BRICK WALL
 (1326) SW BAKER AND PACIFIC.
 Extend brick wall.
 Owner.....C. O. G. Miller.
 Architect...Bliss & Faville, Balboa
 Bldg., San Francisco.

FRAME DWELLING
 (1312) N HOLLOWAY 125 W Harold.
 One-story and basement frame dwlg.
 Owner.....Mrs. Carolina Roller, 75
 29th, San Francisco.
 Architect...F. Cole, 124 Duncan, S. F.
 Contractor...F. J. Cole, 75 29th, S. F.
 COST, \$1400

ALTERATIONS
 (1313) E EIGHTH 40 S Heron. Ad-
 ditions and alterations to frame
 laundry building.
 Owner.....New Process Laundry Co.,
 385 8th, San Francisco.
 Architect...None.
 Contractor...Barrett & Hilp, 424 Sharon
 Bldg., San Francisco.
 COST, \$3000

FRAME DWELLING
 (1314) NE QUESADA & HAWES.
 One-story and basement frame dwlg.
 Owner.....Andrea Sciutti, 1240
 Quesada, San Francisco.
 Architect...None.
 Contractor...G. Carraro, 750 Felton,
 S. F. COST, \$1950

FRAME DWELLING
 (1315) N THOMAS 150 W Jennings.
 One-story and basement frame dwlg.
 Owner.....Geo. Ryan, Army and
 Hampshire, S. F.
 Architect...None.
 Contractor...Wm. H. Grahn, 2840 Bry-
 ant, San Francisco.
 COST, \$1400

ALTERATIONS
 (1316) NO. 2213 BUCHANAN. Alter
 and add to dwelling.
 Owner.....Mrs. Berthe L. Welch, 2563
 Divisadero, San Francisco.
 Architect...N. Blaisdell, 255 California
 San Francisco.
 Contractor...J. Harold Johnson, 255
 California, San Francisco.
 COST, \$1000

ADDITION
 (1317) SE COLEMAN AND GALVEZ.
 Add two rooms.
 Owner.....Thos. Spaich, 499 Galvez,
 San Francisco.
 Architect...None.
 Day's work. COST, \$400

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Best located and most popular
 hotel in the City; circulating
 ice water in every room.

**Especial attention to
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 grill. Meet your friends at
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European Plan Rates \$1.50 up.

Management. Chester W. Kelley

Contractor...Stockholm & Allyn, Mo-
 nadnock Bldg., S. F.
 COST, \$400

FRAME DWELLING
 (1327) W TWENTY-SEVENTH AVE
 300 S Lincoln Way. Two-story and
 basement frame dwelling.
 Owner.....F. Nelson, 30 Presidio Ter-
 race, San Francisco.
 Architect...None.
 Day's work. COST, \$2500

ALTERATIONS
 (1328) SE SECOND AND MARKET.
 Alter for express office.
 Owner.....Buckbee Thorne & Co., 27
 Montgomery, S. F.
 Architect...None.
 Contractor...Swenson & Franzen, 230
 Tehama, San Francisco.
 COST, \$450

BOARD SIGN
 (1329) W EMBARCADERO 137-6 S
 Market. Metal board sign.
 Owner.....Foster & Kleiser of Cal.,
 273 Valencia, S. F.
 Architect...None.
 Day's work. COST, \$800

NEW ROOF
 (1330) NOS. 732-34-36-38 TREAT AVE
 New tar and gravel roof.
 Owner.....Walter Oxford.
 Architect...None.
 Contractor...Callaghan Bros., 900 Clay-
 ton, San Francisco.
 COST, \$450

FRAME STORES AND ROOMS
 (1331) N BROADWAY 160 W Mont-
 gomery W 46x137-6. All work except
 finish hardware, shades and electric

fixtures for three-story frame building (stores and rooms.)
 Owner.....John Brickell Co., Inc., 901 North Point, S. F.
 Architect...J. R. Miller, Lick Bldg., San Francisco.
 Contractor..J. S. Hannah, Williams Bldg., San Francisco.
 Filed May 1, '15. Dated Apr. 30, '15.
 On 1st of each month..... 75%
 Usual 35 days..... 25%
 TOTAL COST, \$11,200
 Bond, \$5600. Sureties, J. D. Hannah and G. W. Cushing. Limit, 80 days after April 28. Forfeit, none. Plans and specifications filed.

FRAME FLATS

(1332) W GUERRERO 76-6 S Cumberland (Columbia) S 25xW 105. All work for three-story frame flats.
 Owner.....Francesco Figoni, 733 Green, San Francisco.
 Architect...C. O. Clausen, Hearst Bldg San Francisco.
 Contractor..Ratto & Ratto, 232 Hartford, San Francisco.
 Filed May 1, '15. Dated Apr. 27, '15.
 Frame up and roof on.....\$1750
 Brown coated 1750
 Completed and accepted..... 1750
 Usual 35 days..... 1750
 TOTAL COST, \$7000
 Bond, \$3500. Sureties, Louis Haas and G. Ratto. Limit, 90 days. Forfeit, none. Plans and specifications filed.

FRAME FLATS

(1333) W GUERRERO 51-6 S Cumberland (Columbia) S 25xW 105 M B 77. All work for three-story and basement frame flats.
 Owner.....Giovanni Ferrari, 733 Green, San Francisco.
 Architect...C. O. Clausen, Hearst Bldg San Francisco.
 Contractor..Ratto & Ratto, 232 Hartford, San Francisco.
 Filed May 1, '15. Dated Apr. 27, '15.
 Frame up and roof on.....\$1750
 Brown coated 1750
 Completed and accepted..... 1750
 Usual 35 days..... 1750
 TOTAL COST, \$7000
 Bond, \$3500. Sureties, Louis Haas and G. Ratto. Limit, 90 days. Forfeit, none. Plans and specifications filed.

STORE AND FLATS.

(1334) E MISSION, 200 N Persia. Two-story and basement frame store and flats.
 Owner.....Thomas F. Carson, 1527 Church, S. F.
 Architect...None.
 Day's work. COST, \$2800

FRAME RESIDENCE.

(1335) W THIRTY-SIXTH AVE., 288-9 S California. Two-story and basement frame residence.
 Owner.....Emil Nelson, 244 Rivoli, San Francisco.
 Architect...None.
 Day's work. COST, \$2700

FRAME RESIDENCE.

(1336) W THIRTY-THIRD AVE., 25 S Lincoln Way. Two-story and basement frame residence.
 Owner.....Lyon & Hoag, 660 Market, San Francisco.
 Architect...None.
 Day's work. COST, \$4,000

FRAME RESIDENCE.

(1337) CORWIN, 90-9 E Yukon. One

and one-half story frame dwelling.
 Owner.....Louis Gaudet, 2959 Washington, S. F.
 Architect...None.
 Day's work. COST, \$1560

RESETTING MARBLE

(1338) 753 BUSH. All work for alterations and resetting marble work for Grant Hotel.
 Owner.....Isaac Grant, Premises.
 Architect...G. A. Applegarth, Claus Spreckels Bldg., S. F.
 Contractor..Vermont Marble Co., 244 Vermont, S. F.
 Filed May 3, '15. Dated, April 26, '15.
 Payments on 1st of each month..75%
 Usual 35 days25%
 TOTAL COST, \$60

Bond, Sureties, Forfeit, none. Limit, as fast as possible. Plans and specifications filed.

FRAME FLATS

(1339) NE LEXINGTON and 19th, E 30xN 85. All work except rough lumber, wall beds, finish hardware and gas and electric fixtures and shades for a three-story frame building (flats.)
 Owner.....Henry Sipple, 373 Valencia, S. F.
 Architect...Rhodes & Marisch 3372 16th St., S. F.
 Contractor..J. Witzelsberger, 126 Rousseau, S. F.
 Filed May 3, '15. Dated April 30, '15.
 Frame up and roof on.....\$2400
 Brown coated 2400
 Completed and accepted 2400
 Usual 35 days 2450
 TOTAL COST, \$9,650
 Bond, \$5,000. Sureties, Geo. Wollenschlaeger and G. Frederick Munk. Forfeit, none. Limit, 90 days. Plans and specifications filed.

INSTALL ELEVATOR, ETC.

(1340) SE TEHAMA AND EIGHTH. Install elevator and erect stairs.
 Owner.....Bothin Real Estate Co. 604 Mission, San Francisco.
 Architect...None
 Day's work. COST, \$600

ALTERATIONS

(1341) NO. 926 FLORIDA. Alter dwelling.
 Owner.....H. J. Walter.
 Architect...None.
 Contractor..Ricketts & Mahoney, 4511 19th, San Francisco.
 COST, \$500

FREIGHT PLATFORM

(1342) 109 FEET E KENTUCKY and extending from 1000 ft. S of Channel to 1200 ft. S of Channel. Construction of freight house platform.
 Owner.....Aitchison, Topeka & Santa Fe Railway Co., 3rd and Channel, San Francisco.
 Architect...None.
 Day's work. COST, \$4624.75

REPAIRS

(1343) NO. 228 ANDERSON. Repair fire damage.
 Owner.....Patrick F. McHugh, Prem.
 Architect...None.
 Contractor..Wm. M. Keedy, 157 Bronte San Francisco.
 COST, \$1000

FRAME DWELLING

(1344) N CAPISTRANO 172 E Santa

Rosa. Two-story and basement frame dwelling.
 Owner.....L. Ferreiros, 3289 Mission, San Francisco.
 Architect...None.
 Contractor..New Era Bldg. Co., 3289 Mission, San Francisco.
 COT, \$1600

FRAME DWELLING

(1345) SE PARIS 225 S France. One-story and basement frame dwlg.
 Owner.....Joseph Ellis, 657 Paris, San Francisco.
 Architect...None.
 Contractor..L. L. Allen, 4525 Mission, San Francisco.
 COST, \$1000

ALTERATIONS

(1346) MASON AND POWELL (Fairmont Hotel). Remove vent and run same through roof.
 Owner.....Theresa Oelrichs, Prem.
 Architect...None.
 Contractor..Ward & Goodwin, 110 Jessie, San Francisco.
 COST, \$2000

FRAME RESIDENCE

(1347) W JORDAN AVE 196-8 N Geary N 33-4xW 120. All work for two-story and basement frame residence.
 Owner.....Sidney L. Peiser 209 Post, San Francisco.
 Architect...Alfred Henry Jacobs, 110 Sutter, San Francisco.
 Contractor..Ira W. Coburn, 547 Brannan, San Francisco.
 Filed May 3, 15. Dated April 1, 15.
 Frame up & roof boards on..\$1152.75
 Brown coated 1152.75
 Completed and accepted..... 1152.75
 Usual 35 days..... 1152.75
 TOTAL COST, \$4611.00
 Bond, \$2305.50. Surety, National Surety Co. Limit, Sept, 1, 1915. Forfeit, none. Plans and specifications filed.

FRAME RESIDENCE & GARAGE

(1348) E LARKIN 55 N Lombard 52-6xE 105. All work except grading, concrete work and heating for two-story, attic and basement frame residence and garage.
 Owner.....G. E. Caglieri, 205 Columbus Ave., San Francisco.
 Architect...Albert Farr, 68 Post, S. F.
 Contractor..Wm. Martin, 110 Jessie, San Francisco.

Filed May 4, '15. Dated Apr. 30, '15.
 Exterior frame completed, sheathing in place, roofing on and brick work and patent blue work 50% completed\$1200
 Ready for lather..... 1400
 Plastering completed 1800
 Casing set, sash glazed, exterior finish done, and 75% of balance of mill and stair work on premises 2000
 Completed 2150
 Usual 35 days..... 2150
 TOTAL COST, \$11,400

Bond, \$4700. Surety, Pacific Coast Casualty Co. Limit, 90 days. Forfeit, none. Plans and specifications filed.

ALTERATIONS, ETC.

(1349) WEST END OF WESTERN Addition Block 749 (old No. 305) Bld by Fillmore, Eddy, Webster & Turk. Alterations, construction and re-construction of theatre building.
 Owner.....Realty & Rebuilding Co.
 Architect...J. R. Miller, Lick Bldg., San Francisco.

Contractor...G. P. W. Jensen, 320 Market, San Francisco.
 Filed May 4, '15. Dated May 4, '15.
 As work progresses..... 75%
 Usual 35 days..... 25%
TOTAL COST not to exceed, \$12,115;
 Contractor to receive \$500.
 Bond, \$6307.50. Surety, Massachusetts Bonding & Insurance Co. Limit, 60 days. Forfeit, none. Plans and specifications filed.

FRAME FLATS
 (1350) S CALIFORNIA 47-6 E Pierce S 87-6xE 22-6. Painting, staining, varnishing, tinting, etc., for two-story and basement frame flats.
 Owner.....Mrs. Wilhelmine Foerst.
 Architect...E. A. Neumarkel, Sharon Bldg., San Francisco.
 Contractor...Otto List, 915 Florida, San Francisco.
 Filed May 4, '15. Dated May 4, '15.
 Inside ready for varnish.....\$156
 Completed and accepted..... 120
 Usual 35 days..... 92
TOTAL COST, \$368
 Bond, \$200. Sureties, C. Claussen and John Fredemann. Limit, 29 days after inside finish is on. Forfeit, \$3. Plans and specifications filed.

(1351) ALL WORK EXCEPT PLUMBING, painting, shades and light fixtures on above.
 Contractor...Henry Conrad, 2934 Pine, San Francisco.
 Filed May 4, '15. Dated May 4, '15.
 Frame up\$1160
 Brown coated 1160
 Completed and accepted..... 1160
 30 days after 1160
TOTAL COST, \$4644
 Bond, \$2400. Sureties, P. Parente and Clara Rupert. Limit, 100 days. Forfeit, \$3. Plans and specifications filed.

ALTERATIONS
 (1352) BUSH, bet. Powell and Mason. Carpentry work for alterations to Grant Hotel.
 Owner.....Isaac Grant, Premises.
 Architect...G. A. Applegarth, Claus Spreckels Bldg., S. F.
 Contractor...D. O. Church Co., 68 Post, San Francisco.
 Filed May 4, '15. Dated Apr. 26, '15
 As work progresses monthly installments of 75%
 Usual 35 days..... 25%
TOTAL COST, \$401
 Bond, none. Limit, as rapidly as practicable. Forfeit, none. Plans and specifications filed.

FRAME BUILDING
 (1353) NW KISLING 278-6 NE 12th NE 23-6 NW 80 SW 24-4 SE 80 M B 10. Mill, plumbing, plaster, hardware, tin, concrete foundation, cement floor, mosaic steps, tiling, electric work for two-story frame building.
 Owner.....Jacob Goldstein, 138 Kisling, San Francisco.
 Architect...None.
 Contractor...Segurson Bros., 308 Guerrero, San Francisco.
 Filed May 5, '15. Dated May 5, '15.
 Frame up ¼
 Brown coated ¼
 Completed and accepted..... ¼
 Usual 35 days..... ¼
TOTAL COST, \$1600
 Bond, \$800. Surety, Massachusetts Bonding & Insurance Co. Limit, 90

days. Forfeit, \$2. Plans and specifications filed.

STEEL SASH, ETC.
 (1354) NW DELAWARE & HUMBOLDT W 166-3 SW to center of Humboldt W to E line Maryland N 279 m or 1 E 200 S 246 P N 489. Installation of steel sash, etc., in boiler end of generator building at gas works
 Owner.....Pacific Gas & Electric Co., 445 Sutter, San Francisco.
 Architect...None.
 Contractor...United States Metal Products Co., 525 Market, S. F.
 Filed May 5, '15. Dated Apr. 24, '15.
 On completion 75%
 Usual 35 days..... 25%
TOTAL COST, \$700
 Bond, \$350. Surety, New England Casualty Co. Limit, 25 days. Forfeit, none. Plans and specifications filed.

(Correction in Location)
BREWERY BUILDING
 (1355) W BRYANT, bet. Alameda and 15th. Granulated and sheet cork insulation work for brewery building.
 Owner.....The Rainier Brewing Co., by Sound Constr. & Eng. Co., Hearst Bldg., S. F.
 Architect...None.
 Contractor...The H. W. Johns-Manville Co., 2nd and Howard, S. F.
 Filed May 5, '15. Dated Apr. 30, '15.
 On 10th of each month..... 75%
TOTAL COST, \$31,700
 Bond, none. Limit, Sept. 15, 1915. Forfeit, \$50. Plans and specifications filed

(1356) MECHANICAL EQUIPMENT on above.
 Contractor...The Turner Co., 278 Natoma, San Francisco.
 Filed May 5, '15. Dated Apr. 15, '15.
 On 10th of each month..... 75%
 Usual 35 days..... 25%
TOTAL COST, \$111,750
 Bond, none. Limit, Oct. 1, 1915. Forfeit, \$500. Plans and specifications filed

COTTAGE
 (1357) N SUSSEX 165 E Conrad being Lot 6 Blk "C" Addition to Castro St. Addition and Glen Park Terrace. All work for one-story cottage.
 Owner.....Frank and wife Johanna J. Monahan.
 Architect...Edw. F. Helms.
 Contractor...Edw. F. Helms, 5th Ave near California, S. F.
 Filed May 5, '15. Dated May 5, '15.
 Frame up\$332
 Brown coated 300
 Ready for painter..... 300
 Completed 300
TOTAL COST, \$1232
 Bond, limit, forfeit, none. Plans and specifications filed.

FRAME FLATS
 (1358) W LEXINGTON AVE 150 S 18th S 25 N 80 N 25 S 80. All work for two-story and basement frame flats.
 Owner.....Rebecca M. Birch, 759 Minna, San Francisco.
 Architect...None.
 Contractor...Innocent Bouchard, 279 Cumberland, San Francisco
 Filed May 5, '15. Dated May 4, '15.
 1st floor joists on.....\$1000
 Roof on 1000
 Plaster on 1000
 Accepted 1000
 30 days after..... 1200
TOTAL COST, \$5200

Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications filed.

STEAM HEATING HOTEL
 (1359) S TWELFTH AND MARKET SW 25-11 SE 90 SW 50 SE 75 NE 75-11 NW 165. Steam heating and oil burning equipment for five-story brick and steel frame hotel.
 Owner.....I. I. Dehail.
 Architect...W. H. Crim Jr., 425 Kearny, San Francisco.
 Contractor...Petersen-James Co., 710 Larkin, San Francisco.
 Filed May 6, '15. Dated May 5, '15.
 On 1st and 15th of each month 75%
 Usual 35 days..... 25%
TOTAL COST, \$2525
 Bond, \$1265. Sureties, R. W. Kinney and C. W. Morris. Limit, 3 days after completion of painting. Forfeit, \$25. Plans and specifications filed.

(1360) PAINTING, TINTING AND waterproofing on above.
 Contractor...Fred Wagner, 2830 Harrison, San Francisco.
 Filed May 6, '15. Dated Apr. 10, '15.
 Payments same as above.....
TOTAL COST, \$2380
 Bond, limit, forfeit, none. Plans and specifications filed.

(1361) ELECTRIC WIRING ON ABOVE
 Contractor...Central Elec. Co., 618 Mission, San Francisco.
 Filed May 6, '15. Dated May 5, '15.
 Payments same as above.....
TOTAL COST, \$2250
 Bond, \$1125. Surety, Pacific Coast Casualty Co. Limit, 5 days after painting completed. Forfeit, \$25. Plans and specifications filed.

(1362) ONE PASSENGER ELEVATOR on above.
 Contractor...S. F. Elevator Co., 860 Folsom, San Francisco.
 Filed May 6, '15. Dated May 4, '15.
 On erection of guides and overhead 25%
 On delivery of machinery..... 25%
 When running 25%
 Usual 35 days..... 25%
TOTAL COST, \$1475
 Bond, \$750. Surety, Maryland Casualty Co. Limit, forfeit, none. Plans and specifications filed.

MUSEUM
 (1363) GOLDEN GATE PARK. Unfinished work of Contract dated Jan. 6, 1914, consisting of grading and back filling and distributing loam over ground for Museum Building.
 Owner.....California Academy of Sciences.
 Architect...Lewis P. Hobart, Crocker Bldg., San Francisco.
 Contractor...Sunset Constr. Co., 62 Post, San Francisco.
 Filed May 6, '15. Dated May 3, '15.
 Usual 35 days.....\$300
TOTAL COST, \$300
 Bond, \$150. Surety, Pacific Coast Casualty Co. Limit, 15 days after Aug. 1, 1915. Forfeit, none. Specifications only filed.

(1364) SETTING OF TILE IN MAIN exhibit rooms, together with vestibule leading from corridor to same and tile in toilet room on above.
 Contractor...Mangrum & Otter, 561 Mission, San Francisco.
 Filed May 6, '15. Dated Apr. 29, '15.

Payments same as above.....

TOTAL COST, \$1375

Bond, none. Limit, Aug. 1, 1915. Forfeited, plans and specifications, none.

(1365) FURNISHING AND SETTING of all marble, etc., on above.

Contractor...American Marble & Mosaic Co., 25 Columbia Sq., San Francisco.

Filed May 6, '15. Dated Apr. 29, '15.

On 15th of each month..... 75%

Usual 35 days..... 25%

TOTAL COST, \$2300

Bond, \$1150. Surety, Hartford Accident & Indemnity Co. Limit, July 1, 1915. Forfeited, none. Plans and specifications, none.

FRAME BUILDING

(1366) S CALIFORNIA 47-6 E Pierce S 87-6x E 22-6. Plumbing, draining, gas fitting and heating system for two-story and basement frame bldg.

Owner.....Mrs. Wilhelmine Foerst.

Architect...E. A. Neumarkel, Sharon Bldg., San Francisco.

Contractor...L. W. Lang, 1969 O'Farrell, San Francisco.

Filed May 6, '15. Dated May 6, '15.

Roughed in and sewer connected.....\$340.00

Completed and accepted..... 265.00

Usual 35 days..... 205.50

TOTAL COST, \$810.00

Bond, \$500. Surety, Leonhard Lang.

Limit, 80 days. Forfeited, \$3. Plans and specifications filed.

STEEL WORK, ETC.

(1367) BDBD BY. LARKIN, McAllister, Hyde & Fulton (Civic Center.)

Structural steel and iron, exclusive of both the delivery of material to building and the erection of the work for S. F. Public Library.

Owner.....The City and County of S. F. acting by Board of Trustees of the Public Library and Reading Rooms.

Architect...Geo. W. Kelham, Sharon Bldg., San Francisco.

Engineer...H. J. Brunnier, Sharon Bldg., San Francisco.

Contractor...The Pacific Rolling Mill Co., Sharon Bldg., S. F.

Filed May 6, '15. Dated May 3, '15.

Semi monthly payments of.... 95%

30 days after 5%

TOTAL COST, \$85,433

Bond, \$42,716.50. Surety, Globe Indemnity Co. Limit, 120 days from May 3, 1915. Forfeited, \$10. Plans and specifications filed.

ALTERATIONS

(1368) NO. 986 MARKET. Carpenter, hardware, painting and finishing of partitions, counters, shelving, etc., for office on 2nd floor of building.

Owner.....Vitagraph, Lubin, Selig & Essanay, Inc.

Architect...A. W. Cornelius, Merchants Nat'l Bank Bldg., San Francisco.

Contractor...Bell & Rosslow, 550 Noe, San Francisco.

Filed May 6, '15. Dated May 5, '15.

Contract completed 75%

Usual 35 days..... 25%

TOTAL COST, \$650

Bond, \$225. Surety, Pacific Coast Casualty Co. Limit, 12 days from May 5, 1915. Forfeited, \$10. Plans and specifications filed.

INTERIOR FINISH OF RESIDENCE

(1369) E SCOTT, bet. Green and Union No. 2820 Scott. Metal and wood lathing and plain and ornamental plaster for interior finish in residence.

Owner.....Maude J. Graves.

Designer...L. Kreiss & Sons, Sutter & Stockton, San Francisco.

Contractor...J. E. Steere, 2267 Hayes, San Francisco.

Filed May 7, '15. Dated May 7, '15.

Brown coated and 25% of models done\$1073

Ornamental work delivered at building 1074

Accepted 1074

Usual 35 days..... 1074

TOTAL COST, \$4295

Bond, \$2147.50. Surety, Southwestern Surety Insurance Co. Limit, 40 days.

Forfeited, \$10. Plans and specifications filed.

ALTERATIONS

(1370) S LOMBARD LOT 50x137-6; No. 2453. All work for alterations, erection, completion of two-story frame store and loft building.

Owner.....Lirati & Frugali, Premises.

Architectural Designer...A. Fraschina, 6 Imperial Ave., S. F.

Contractor...J. Del Favero & Co., 1839 Mason, San Francisco.

Filed May 7, '15. Dated April 14, '15.

Roof on\$1145

Completed and accepted..... 1145

Usual 35 days..... 1145

TOTAL COST, \$3435

Bond, \$1717.50. Surety, N. Capurro.

Limit, 35 days. Forfeited, none. Plans and specifications filed.

PAVILION

(1371) EXPOSITON SITE. All work for erection of Greek Pavilion.

Owner.....Panama-Pacific International Exposition Co.

Architect...None.

Contractor...M. P. Mortensen, 3124 Broderick, San Francisco.

Filed May 7, '15. Dated April 1, '15.

As work progresses..... 75%

Usual 35 days..... 25%

TOTAL COST, \$9282

Bond, \$5000. Surety, Pacific Coast Casualty Co. Limit, 45 days from signing agreement. Forfeited, \$25. Plans and specifications filed.

TICKET OFFICE

(1372) NO. 70 EDDY. Install ticket office of marble construction.

Owner.....Turner & Dahnken, 945 Market, San Francisco.

Architect...A. W. Cornelius, 625 Market, San Francisco.

Day's work..... COST, \$400

FRAME DWELLING

(1373) E GETZ at junction of Harold. One-story and basement frame dwlg.

Owner.....Mary E. Scott 2 Getz, S. F.

Architect...None.

Day's work..... COST, \$400

SKYLIGHTS

(1374) NO. 14 SANSOME. Install 2 skylights.

Owner.....Greatwestern Power Co., Premises.

Architect...None.

Contractor...Robinson & Gillespie, 1051 Sutter, San Francisco.

COST, \$400

ELECTRIC SIGN

(1375) NW FRONT AND UNION.

Electric sign.

Owner.....Sperry Flour Co., 332 Pine San Francisco.

Architect...None.

Contractor...Greenwood Adv. Co., Los Angeles.

COST, \$450

ALTERATIONS

(1376) NE PAGE AND LYON. Minor alterations on dwelling.

Owner.....Mrs. S. H. Whiting, 1292 Page, San Francisco.

Architect...None.

Contractor...Anderson & Co., 1623 Eddy San Francisco.

COST, \$450

REPAIRS

(1377) NO. 2912 CLAY. Repair roof and stairs, painting, electric work and reshingle dwelling.

Owner.....L. H. Wiegel, 2056 Grove, San Francisco.

Architect...None.

Day's work..... COST, \$425

FRAME RESIDENCE

(1378) W TWELFTH AVE 200 N Anza Two-story and basement frame residence.

Owner.....J. C. Kirby, 2152-A Market, San Francisco.

Architect...None.

Day's work..... COST, \$3000

DWELLING

(1379) S WALLER 165 W Buchanan. Carpenter work, plumbing and painting for dwelling.

Owner.....Jas. H. Cain, 620 4th Ave., San Francisco.

Architect...None.

Contractor...John Wolf.

COST, \$400

REPAIRS

(1380) NO. 331 TWENTY-SEVENTH. Repair fire damage, shingle roof, plumbing, painting, etc.

Owner.....Mrs. S. Smith, Premises.

Architect...None.

Contractor...N. C. Nicoll, 336 Pine, S. F.

COST, \$1000

MOVE DWELLING, ETC.

(1381) NO. 105 LUNDY LANE. Move dwelling and build concrete foundation.

Owner.....Wm. F. Cook, Premises.

Architect...None.

Day's work..... COST, \$700

FRAME FLATS

(1382) E CONNECTICUT 175 S 17th. Two-story and basement frame (2) flats.

Owner.....Erino Marcino, 118 Mississippi, San Francisco.

Architect...None.

Day's work..... COST, \$3000

FRAME STORE AND SALOON

(1383) SE ELLIS AND FRANKLIN. One-story frame store and saloon.

Owner.....G. Schultes and J. Morrison, Hotel Savoy, Van Ness and Ellis, S. F.

Architect...None.

Contractor...L. J. Turner, 843 Van Ness Ave., San Francisco.

COST, \$1000

FRAME DWELLING

(1384) E DELANO 433 N Ocean. One-story frame dwelling.
Owner.....Angelo Olcese, 234 Otsego, San Francisco.
Architect...None.
Day's work. COST, \$400

ALTERATIONS

(1385) NO. 170 COLLINS. Alter for flats.
Owner.....Jas. Ostrando.
Architect...None.
Day's work. COST, \$800

ALTERATIONS

(1386) NO. 74 OTIS. Alter cafeteria.
Owner.....The Pacific Telegraph & Telephone Co., 602 Sheldon Bldg., San Francisco.
Architect...None.
Day's work. COST, \$1000

ALTERATIONS

(1387) E MISSION 50 N Twenty-ninth Minor alterations for store.
Owner.....Dr. Forrest, 3285 Mission, San Francisco.
Architect...None.
Contractor..Thomas Gesso, 1249 8th Ave., San Francisco.
COST, \$400

UNDERPIN FLATS

(1388) NO. 1663 BUSH. Underpin flats
Owner.....J. Costello, 41 Montgomery San Francisco.
Architect...None.
Contractor..Chas. Coburn, 4030 24th, S. F.
COST, \$500

RAISE AND ALTER STORE

(1389) NO. 4527 IRWIN. Raise and alter store and dwelling.
Owner.....M. E. Moreten, Premises.
Architect...None.
Day's work. COST, \$400

FRAME DWELLING

(1390) S SEVILLE 100 W Cordova. One and one-half-story and basement frame dwelling.
Owner.....V. Holmgren, 45 Cordova, San Francisco.
Architect...None.
Day's work. COST, \$1950

SUBDIVIDE FLOOR

(1391) SE MARKET AND ECKER. Subdivide floor.
Owner.....Crocker Estate Co., 525 Crocker Bldg., S. F.
Architect...None.
Day's work. COST, \$1200

FRAME FLATS

(1392) S SEVENTEENTH 225 E Dolores. Two-story and basement frame (5) flats.
Owner.....Mrs. Mary P. Behrens, 1011 A Shotwell, San Francisco
Architect...None.
Contractor..H. Behrens.
COST, \$4850

FRAME RESIDENCES

(1393) E THIRTIETH AVE 200 N Taraval N 50xE 120. All work except plumbing and gas fitting for two two-story and basement frame residences.
Owner.....Jas. and Mary R. Kelly.
Architect...Neil H. McKay, Civil Engineer, 247 10th Ave., S. F.
Contractor..H. C. Christiansen.
Filed May 8, '15. Dated May 7, '15.

Enclosed\$1170
Brown coated 1170
Completed and accepted..... 1170
Usual 35 days..... 1170
TOTAL COST, \$4680

Bond, \$2340. Sureties, Mary Juges and J. N. Christiansen. Limit, 60 days. Forfeit, \$5. Plans and specifications filed.

(1394) PLUMBING, SEWERING AND gas fitting on above.

Contractor..W. H. Kelly, 1482 Fulton, San Francisco.
Filed May 8, '15. Dated May 7, '15.
Gas & water service roughed in.\$145
Roughing in completed..... 145
Completed and accepted..... 290
TOTAL COST, \$580
Bond, limit, forfeit, none. Plans and specifications filed.

FRAME COTTAGES

(1395) S GOETHE 200 W San Jose Ave and S Goethe 237-6 W San Jose Ave. All work for two four-room and bath frame cottages.
Owner.....Homestead Realty Co.
Architect...Plans by Contractor.
Contractor..Wm. H. Grahm, 2840 Bryant, San Francisco.
Filed May 8, '15. Dated May 3, '15.
Frames up\$662.50
Brown coated 662.50
Completed 662.50
Usual 35 days..... 662.50
TOTAL COST, \$2650.00
Bond, none. Limit, 90 days from starting work. Forfeit, none. Plans and specifications, none.

CLASS "C" APARTMENTS

(1396) N POST 68-11½ W Hyde 34-4½ x137-6. Brick and terra cotta work and setting of same for five-story steel frame Class "C" apartments.
Owner.....William J. and David Turner, 272 Natoma, S. F.
Architect...Rousseau & Rousseau, 110 Sutter, San Francisco.
Contractor..Butcher & Hadley, 185 Stevenson, San Francisco.
Filed May 8, '15. Dated April 8, '15.
Up to 2nd floor story.....\$1062.50
Up to 4th floor story..... 1062.50
Completed and accepted..... 1062.50
Usual 35 days..... 1062.50
TOTAL COST, \$4250.00
Bond, none. Limit, 24 days after completion of steel frame. Forfeit, none. Plans and specifications filed.

(1397) INTERIOR WOODWORK, MILL work and inside finish on above.

Contractor..Reinhart Lumber & Planing Mill Co., 17th & Kansas, San Francisco.
Filed May 8, '15. Dated April 8, '15.
On 15th of each month..... 75%
Usual 35 days..... 25%
TOTAL COST, \$3682
Bond, none. Limit, as directed. Forfeit, none. Plans and specifications filed.

(1398) FURRING, LATHING & TILE work on above.

Contractor..The Holloway Expanded Metal Co., 515 2nd, S. F.
Filed May 8, '15. Dated Apr. 15, '15.
Payments same as above.....
TOTAL COST, \$3200
Bond, \$1600. Surety, Pacific Coast Casualty Co. Limit, 20 days after building is ready. Forfeit, none. Plans and specifications filed.

(1399) SHEET METAL WORK ON above.

Contractor..Western Furnace & Cor-nice Co., 1645 Howard, S. F.
Filed May 8, 15. Dated April 13, '15.
Payments same as above.....
TOTAL COST, \$1514
Bond, none. Limit, 15 days after ready for sheet metal. Forfeit, none. Plans and specifications filed.

FRAME DWELLING

(1400) W SAN BRUNO AVE 175 S Dwight, being Lot 3 Blk 2, Paul Tract Hd Ass'n. All work for one and one-half-story frame dwelling.
Owner.....M. Goldstone, 3042 San Bruno Ave., S. F.
Architect...None.
Contractor..T. H. Parry, 222 Raymond Ave., San Francisco.
Filed May 8, '15. Dated Apr. 26, '15.
Frame up\$465
Brown coated 465
Completed and accepted..... 465
Usual 35 days..... 465
TOTAL COST, \$1860
Bond, \$950. Surety, E. L. Wallace. Limit, 70 days after April 28. Forfeit, none. Plans and specifications filed.

FRAME STORE

(1401) S PACIFIC 47-6 E Hyde E 27-6 xS 65. All work for one-story frame store.
Owner.....Martin Scatena, Healdsburg, Cal.
Architect...Chas. Fantoni, 916 Kearny, San Francisco.
Contractor..Domenico Francesconi, 51 Pixley Ave., S. F.
Filed May 8, 15. Dated May 6, '15.
Roofed\$378.75
Brown coated 378.75
Completed and accepted..... 378.75
Usual 35 days..... 378.75
TOTAL COST, \$1515.00
Bond, \$757.50. Sureties, A. Cervelli and F. De Paoli. Limit, 30 days from filing Forfeit, \$3. Plans and specifications filed.

INCORPORATIONS

Louise Brigham Home Arts (Inc.). To manufacture and deal in furniture and house furnishings. Capital Stock, \$25,000; 2500 shares at \$10; amount subscribed, \$50. Place of business, San Francisco. Directors—Louise Brigham, Mrs. J. O. Lincoln, H. H. Whiting, E. H. Webb, J. F. Kerr, 10 shares each.

The Newall-Murdock Realty Company. General real estate business. Capital Stock, \$200,000; 2000 shares at \$100 each; amount subscribed, \$5000. Place of business, San Francisco. Directors—J. H. Spring, Wm. C. Murdoch Jr., A. L. Meyerstein, R. C. Newell, C. A. Hawkins, 10 shares each.

Roma Macaroni Factory. To manufacture macaroni and pastes. Capital Stock, \$60,000; 600 shares at \$100 each; amount subscribed, \$500. Place of business, San Francisco. Directors—R. Vannucci, H. Matteucci, O. Matteucci, F. Pedrini, E. Giambastiana, 1 share each.

Penny River Mining & Dredging Company. General mining business. Capital Stock, \$100,000; 100,000 shares at \$1 each; amount subscribed, \$5. Place of business, San Francisco. Directors—O. Halla, H. G. Harvey, W. G. Page, W. H. Jordan, R. L. Langworthy, 1 share each.

Ocean Transport Company. General transportation business. Capital Stock, \$100,000; 1000 shares at \$100 each; amount subscribed \$300. Place of business, San Francisco. Directors—P. M. Dimmick, A. A. Moran, C. E. Brown, 1 share each.

H. J. Mahony Company. To deal in a certain invention for "Releasing Devices." Capital Stock, \$20,000; 10,000 shares at \$2 each; amount subscribed, \$20,000. Place of business, San Francisco. Directors—H. J. Mahony, 5000 shares; J. J. Mahony, Jr., 2500 shares; J. R. Irwin and J. H. Murphy, 1250 shares each.

LEASES.

May 5, 1915—N BAY 60 E Larkin E 52-6xN 87-6. G Cuneo to O Lippi. 5 years. \$1000.

May 6, 1915—E FILLMORE 14-6 N California N 12-6xE 50. O M and E C Heuter to August Ludeke Jr. 5 years. \$35 per month.

May 6, 1915—NO. 2581 MISSION. Joseph F Gallagher to Wm H Woodfield Jr. and Wilson Lyford. years. \$2135 with option to renew.

May 4, 1915—NO. 904 NEWHALL. Christian Knobloch to Henry S and Mary T Trueb. 3 years. \$855.

NOTICE OF NON-RESPONSIBILITY.

May 4, 1915—S McALLISTER 112-6 E Fillmore E 25xS 100. Jos Wheller as to improvements on leased property

COMPLETION NOTICES.

San Francisco

May 1, 1915—W POWELL 91-3 N Post, N 46-1xW 80. Joseph Sockolov to A. J. Silva, American Elec. Eng. Co. to Central Iron Works, Phoenix Sidewalk Light Co., Peerless Agencies Co., C. J. Hillard Co., Pacific Iron Works, Peterson-James Co. April 30, 1915

May 1, 1915—N POST 50 W Larkin — 50 N 120 E 50 S 120. J H Keefe to The Turner Co. April 28, 1915

May 3, 1915—S PAGE, 175 W Shrader, W 25xS 137-6. C. E. Reinhart to F A. Hansen April 27, 1915

May 3, 1915—N BROADWAY, 87-6 E Larkin, 26x87-6. L. M. Callosso to Montani & Steffanini. May 1, 1915

May 3, 1915—NE GEARY & WOOD, E 82-6xN 100. S. F. Home for Incuables to Clinton Fireproofing Co. April 23, 1915

May 3, 1915—S TURK, 110 W Baker, 26-6x137-6, lot 31, Blk. 1151. W. S. Gilbert to whom it may concern. May 1, 1915

May 3, 1915—NE EDDY & JONES, N 137-6xE 137-6. W. E. Dean to Barrett & Hilp April 30, 1915

May 4, 1915—SW EDDY & HYDE W 137-6xS 137-6. W E Dean to R J H Forbes. May 4, 1915

May 4, 1915—W TWENTIETH AVE 300 S Geary S 25xW 120. Alfred Johnson to whom it may concern. May 1, 1915

May 4, 1915—E LA PLAYA (49th Ave) 275 S Irving 25x120. Joanna Huber to Peter M Leonard. May 3, 1915

May 4, 1915—S GEARY 82-6 W 17th Ave W 25xS 100. Geo H Cammet and Carl Mettler to Carl Mettler

April 29, 1915

May 4, 1915—LOT 33 BLK "O" 2nd Addition to Glen Park Terrace being Ptn of lands of Crocker Estate Co and Sub of Lot 20 Blk "O" addition to Glen Park Terrace. Michael and Helen Harasleb to whom it may concern. Apr. 20, 1915

May 4, 1915—N CHESTNUT 68-9 E Hyde E 68-9xN 137-6. M A Humphreys to H H Maundrell. Apr 30, 1915

May 4, 1915—SW LAGUNA AND Pacific Ave S 94-8½ W 96 S 33 W 41-6 N 127-8½ E 137-6; S Pacific Ave 167-6 W Laguna W 60xS127-8½. Pacific Realty Co to Adler & Lewis. April 24, 1915

May 5, 1915—SE LONDON 50 SW Italy Ave SW 25xSE 100. Bertin and Guadalupe Boisset to J Witzelberger. April 29, 1915

May 5, 1915—LOT 21 BLK 23 Crocker Amazon Tract. Jos P Alexander to whom it may concern. Apr. 30, 1915

May 5, 1915—SW LAGUNA AND Pacific Ave S 94-8½ W 96 S 33 W 41-6 N 127-8½ E 137-6; S Pacific Ave 167-6 W Laguna W 60xS 127-8½. Pacific Realty Co to Jas P Fletcher. May 1, 1915

May 5, 1915—S MISSION, bet 4th and 5th; No. 880 Mission. Judah Boas to MacDonald & Kahn. Apr. 29, 1915

May 5, 1915—E NOE 166-6 N 17th N 75xE 180. Sarah B Tirrell, trustee to Carnahan & Mulford. April —

May 5, 1915—SW EUREKA AND 22D S 23-4xW 76. N J Nelson to whom it may concern. April 22, 1915

May 5, 1915—S TWENTY-SECOND 76 W Eureka — 24xS 93-7. N J Nelson to whom it may concern. April 22, 1915

May 5, 1915—EXPOSITION SITE. Utah Exposition Commission, lessee to Emma L Mulkey. May 5, '15

May 5, 1915—N HIGHLAND AVE 113 W Holly Park Circle W 30 N 75 SE to pt formed by intersection of two lines, 1 drawn parallel to Highland Ave and distant 69 N therefrom and the other perpendicular to Highland Ave from a pt on N Highland distant thereon 113 W Holly Park Circle S 69 being Lot 24 Blk 2, Holly Park Tract. Gertrude I Pehrson to whom it may concern. May 1, 1915

May 5, 1915—LOT 41 BLK 4, Lakeview Frank B McCarthy to Jos C Stromswold. May 3, 1915

May 5, 1915—EXPOSITION SITE. Panama-Pacific International Exposition Co to John R Cahill. May 3, 1915

May 6, 1915—LOT 17 BLK 17 A of C S Allred Sub Blocks 17 and 18 West End Map No. 1. C S Allred to whom it may concern. May 6, 1915

May 6, 1915—E HYDE 57-6 N Washington N 25xE 87-6. Eisenbach Co to Sjogren Bros. May 5, 1915

May 6, 1915—W ELEVENTH AVE 225 N Balboa N 25x120. A T Morris to whom it may concern. May 3, 1915

May 6, 1915—S PINE 122-6 E Larkin E 50xS 137-6. Trustees S F Japanese Methodist Episcopal Church to Johnston Co (co-partnership of James T Johnson, John Branagh and Thos A Cuthbertson). May 6, 1915

May 6, 1915—E THIRTY-SECOND AV and S line Lot 16 E 78-1½ N 30-8 W parallel with S bdy of Lot 16, 79-8½ S 30-8½ ptn Lot 16, Lyon & Hoags Sub Bakers Beach Land Co.

Campbell Bowie to S A Born Bldg Co. May 4, 1915

May 6, 1915—E DIVISADERO 152-8½ N Clay N 25xE 110. Juliette Block to Steur & Bury. Apr. 30, 1915

May 7, 1915—BLK BDED BY THIRD, Fourth, Townsend and King. Southern Pacific Co to American Marble & Mosaic Co. April 29, 1915

May 7, 1915—S ELLS 137-6 W Jones W 82-6xS 137-6. Traders' Realty Co to Marshall & Stearns. May 7, '15

May 7, 1915—SW EDDY AND HYDE W 137-6xS 137-6. W E Dean to MacGruer & Co. May 7, 1915

May 7, 1915—NW STOCKTON AND O'Farrell W 137-6xN 137-6. D Samuels Co to Chas B Hadley. May 4, 1915

May 7, 1915—N POST 108-9 E Polk 28-9x120. J G Kincannon and Luis Blum to whom it may concern. May 7, 1915

May 7, 1915—LOT 6 BLK 6, St. Francis Wood. Annie L Cornahrens to L Dioguardi. May 3, 1915

LIENS FILED

SAN FRANCISCO COUNTY.

Apr. 30, 1915—S JACKSON 100 W Baker W 31 S 127-8½ E 25 N 27-8½ E 6 N 100. S Petersen & Son vs Gwilyn Jones. \$130.25

May 1, 1915—E COOK 238-11 N Geary N 25xE 100. Eureka Sash, Door & Moulding Mills vs Catherine Dixon and M Hardy. \$76.18

May 3, 1915—N CALIFORNIA, 125 W Scott, W 37-6xN 137-6. Luther Metke vs. Bessie M. Proll, E. T. Phillips. \$26.50

May 3, 1915—SW CHESTNUT and Van Ness Ave., W 120xS 56. Hartwood Lumber Co. vs. B. Frankel, Jacob Kessler and Ella C. Rohlfis, J. H. Murphy. \$1,009.33

May 3, 1915—SE CHESTNUT and Fillmore, E 87-6xS 62-6. Hartwood Lumber Co. vs. Alpha Realty and Holding Co. and Robson & Sattler. \$48.55

May 3, 1915—NE POWELL and Sutter. T D Gilmore vs D Berger and Alice M. Hagar and Ethel B. Kellog. \$54.31

May 4, 1915—S LOMBARD 110-6 W Baker W 27-6xS 137-6. Leonard Lumber Co vs Giulio Fassio and M Cox. \$24.04

May 4, 1915—SW NIAGARA AVE 89.58 NW Mission — 25xSW 80. United Lighting Fixture Co vs Louis J Roberts, Lavinia Roberts and John B Woodrey. \$32

May 4, 1915—NW CHESTNUT AND Van Ness Ave W 250 N 425 E 250 S 425. R N Nason & Co vs C Cardashian, Northwest Constr Co and Panama-Pacific International Exposition Co and American Oriental Concessions Co. \$506.82

May 4, 1915—SE FOLSOM & COURTland Ave S 43 E 70 N 87 m or 1 S 83 m or 1. Carl Frank vs John Bianchi. \$375

May 4, 1915—NW VAN NESS AVE & Chestnut N 365 W 145 N 90 W 115 S 455 — 260. Ames Harris Neville Co vs Northwest Constr Co, V Cardashian, American Oriental Concessions Co, Panama-Pacific International Exposition Co, Julia Rossi, Thos N and Cathe Furlong

et al\$168.95
 May 5, 1915—E THIRTY-SECOND Ave 152 S California E 120xS 26. The H G Vaughan Constr Co vs Thos Shea\$174.20
 May 5, 1915—E COOK 238-11 N Geary N 25xE 100. John Cassaretto vs Catherine Dixon, M Hardy and C Jacobsen\$27.85
 May 5, 1915—EXPOSITION SITE. The Hill Bros Co vs Pango-Pango Co, Panama-Pacific International Exposition Co, Kate F Austin, The Pacific Realty Co and Geo P McNear\$465.55
 May 5, 1915—SE CHESTNUT AND Scott S 25xE 110 W A 415. Frank Giarritta vs Frank and Cesira Micalizzi and W E Grant.....\$172.50
 May 5, 1915—E NINTH AVE 150 S Geary S 25xE 120. Niels Jacobsen vs Harry Foley.....\$175
 May 7, 1915—SW NINETEENTH & Texas S 25xW 100. George Y Morton vs Patrick and Kate Hannon and B W Demarais.....\$175
 May 7, 1915—SW CHESTNUT AND Van Ness Ave W 120xS 56. N Damonti vs J H Murphy, B Frankel, Jacob Kessler and Ella C Rohlf.....\$556.64
 May 7, 1915—W SANCHEZ 139 N 24th N 75xW 101-9. J H Kruse vs Leland Spencer and A Wilfert.....\$55.60
 May 7, 1915—SW NINETEENTH AND Texas S 25xW 100. Empire Planing Mill vs Patrick Hannon, Kate Hannon and B W Demarais.....\$579.16

RELEASE OF LENS

SAN FRANCISCO COUNTY.

May 3, 1915—SW TACOMA and 15th Ave., S 25xW 120. S. F. Johnson, of Franks & Johnson to Edith S. Isaacs
 May 5, 1915—N CALIFORNIA 137-6 W. Devisadero W 27-4 3/4xN 132-7. John Schmidt to Mary G Dutton and E C Bletch\$105.35
 May 5, 1915—W BUCHANAN 72 N Francisco W 70 S 57 W 62 N 51 W 23 N 86 E 191 S 80 W 36. O Kurtz, O F Larson, J A Bender Roofing & Paving Co, Wilson Bros & Co, W P Fuller & Co, Pacific Hardware & Steel Co and National Mill & Lumber Co to Panama-Pacific International Exposition Co and Marine Gardens & Cafe Co.....
 May 5, 1915—N O'FARRELL 80 W Devisadero W 195 N 137-6 E 150 S 25 E 25 S 25 E 20 S 87-6. Genevieve Granfield and Judson Mfg Co to Young & Swain Baking Co.....
 May 5, 1915—E JOICE 109 S Sacramento S 28-6 E 70 N 30-6 W 10 S 2 W 60. Michel & Pfiffer, E V Lacey, Gas & Elec Appl Co, Ickelheimer Bros Co, T Binner, Fiberstone & Roofing Co, Pioneer Plate & Window Glass Co, Empire Planing Mill, J W Shouten & Co, Terranova Bros, Reinhart Lumber & Planing Mill, L B Hooker, Hicks & Folte, McGlinchey & Monaghan, W & J Sloane, Bells Wall Beds, P Grassi & Co to S C Harshbarger and Wm R Bell

OAKLAND AND ALAMEDA COUNTY

RESIDENCE — 2 story and base, frame, \$5,000. Oakland, Cal. Architect, none. Owner, C. E. Quigley, 771

Rand avenue Oakland. The dwelling has been designed for a ten-room house, with bath and sleeping porch, and will be erected on the northeast corner of Lake Shore and Mandana Boulevard. Interior finish will be of pine and redwood. Some elm panels will be used. Hardwood floors are specified for the principal rooms. Plans provide for furnace heat and open fire places. Mantels will be of tile or brick. Bath room will have tile wainscot and floor. An automatic water heater will be installed. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor. Materials are now being purchased.

RESIDENCE — 2 story and base, frame, \$9,000. Oakland, Cal. Architects, Schirmer, Bugbee & Co., Dalziel Bldg. Oakland. Owner, Mr. Forest. The dwelling will be erected in the Crocker Highlands Tract and has been designed to contain ten rooms, two or three baths and sleeping porch. A separate garage will be erected on the rear of the property. Interior of the residence will be finished in pine and hardwood. Hardwood floors will be used in the principal rooms. Plans provide for a hot air system of heating, open fire places vacuum cleaning and a hot water supply. Bath rooms will be finished in tile. Mantels will be of tile or brick. Exterior of the residence and garage will be covered with cement plaster on metal lath. Plans are complete and figures are now being taken by the architect.

RESIDENCE — 2 story and base, frame, \$3,500. Berkeley Alameda Co., Cal. Architect, Chester H. Miller, Dalziel Bldg., Oakland. Owner, A. T. Parsons. The dwelling will be erected in South Oak Park and has been designed for a seven-room house with bath and sleeping porch. Interior finish will be of pine, redwood and hardwood panels. Hardwood floors will be used in the living room, dining room and reception hall. There will be furnace heat and open fire places. Mantels will be of tile. Tile wainscot and floors will be used in the bath room. An automatic water heater will be installed. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are complete and figures are now being taken by the architect.

RESIDENCE — 2 story and base, frame. Cost not stated. Berkeley, Alameda Co., Cal. Architect, John Hudson Thomas, First National Bank Bldg., Berkeley. Owner, Miss Gertrude Anthony. The dwelling has been designed for an eight-room house with two baths and sleeping porch and will be erected in Cragmont, Berkeley. Interior finish will be of pine and hardwood, with white enamel in the bed rooms. Hardwood floors will be used in the living room, dining room and reception hall. There will be furnace heat and open fire places. Mantels will be of tile or brick. Tile wainscot and floors will be used in the bath room. Plans provide for a hot water circulating system. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are now being prepared.

RESIDENCE — 2 story and base, frame, \$3,500. Berkeley, Alameda Co.

Cal. Architect, Chester H. Miller, Dalziel Bldg., Oakland. Owner, Miss Cornelia Taber. The dwelling has been designed for a seven-room house with bath and sleeping porch and will be erected in Thousand Oaks Park. Interior finish will be of pine and redwood with some white enamel. Hardwood floors will be used in the principal rooms. Plans provide for furnace heat and open fire places. Mantels will be of tile or brick. Tile wainscot will be used in the bath room. An automatic water heater is specified. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are complete and figures are being taken by the architect.

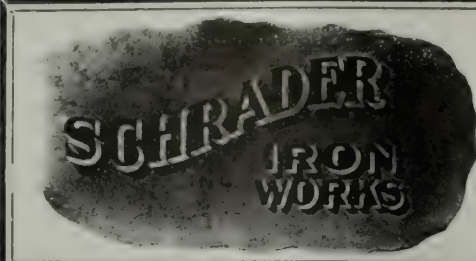
WATER SYSTEM EXTENSION — Cost not stated. Livermore, Alameda Co., Cal. Engineer, City Engineer C. F. Sloan, Livermore. Owners, City of Livermore. The City Engineer has been directed by the Trustees to prepare plans and specifications for an extension to the present sewer system in Junction avenue from the Western Pacific right-of-way to Linden street, and also on North L street from Chestnut to Pine, and on Pine from North L to North N street, a distance of approximately 4,700 feet. Bids on this work will be taken on the completion of the plans.

UNDERGROUND ELECTRIC CONDUIT — \$6,500. Livermore, Alameda Co., Cal. Engineer, City Engineer C. F. Sloan, Livermore. Owners, City of Livermore. The matter of putting the wires for the electric street lights in underground conduits, at an estimated cost of \$6,000, is now under consideration by the City Trustees.

APARTMENT HOUSE—3 story and base, frame and reinforced concrete, \$35,000. Oakland, Cal. Architect, Charles J. Rousseau, 46 Kearny street, S. F. Owner, Mrs. Carrie B. Rousseau. The building will be erected at the northwest corner of Grand avenue and Park View, facing Lake Merritt. Exterior has been designed in the Mission Colonial style and will be faced with cement plaster on metal lath. The interior has been arranged for twenty apartments of three, four and five rooms. Interior finish will be of pine and hardwood, with some white enamel. The lobby will be finished in the Empire style. Plans provide for steam heat, a hot water service and vacuum cleaning. Bath rooms will be finished in tile. All apartments will be equipped with wall beds, and have private baths. Plans are now being prepared and segregated figures will be called for shortly.

STEEL ROLLING DOORS FOR WAREHOUSE—1 story. Class A construction. Cost not stated. Oakland, Cal. Engineer, Harbor Engineer, City Hall, Oakland. Owners, City of Oakland. Bids are now being called for and will be opened by the City Council May 13th for furnishing and installing steel rolling doors on one side and both ends of the warehouse building now being erected on the property parallel with the quay wall in Oakland. Plans and complete information can be secured on application to the Harbor Engineer, City Hall Building.

FACTORY—4 story and base, reinforced concrete, \$150,000. Oakland, Cal. Architect, Lewis P. Hobart,



Structural Steel Contractors

**Works at
HARRISON ST.,
bet. 8th & 9th
San Francisco**

Telephone Market 337

Crocker Bldg., S. F. Owners. Shredded Wheat Biscuit Co. Figures have been taken for the construction of a building which has been mentioned a number of times in these columns, and all bids have been rejected. The architect finds it necessary to make some further revision in the plans and new figures will be called for shortly. Contract will not be let for the work in side of three weeks or a month.

SCHOOL—1 story and base, frame, \$18,000. Newark, Alameda Co., Cal. Architect, A. Silva, Centerville. Owners, Newark School District. Plans have been approved by the Newark Board of Education for a one-story frame structure with an open court 80 by 90 feet. Surrounding the court there will be six standard size class rooms and an auditorium. Interior finish will be of pine with some maple floors. There will be a central heating system, probably hot air heat with an oil burning plant. Modern school plumbing is specified. The exterior of the building will be faced with cement plaster on metal lath. Plans are now being prepared and bids will be called for shortly.

FIELD HOUSE AND ROUGH AND FINISH PLUMBING—Cost not stated. Oakland, Cal. Architect, none. Owners, City of Oakland. Plans have been completed and figures are now being taken for a field house containing store rooms, shower baths and play room, which is to be erected at the Hawthorne School. Plans are also complete and figures are being taken for the rough and finish plumbing and plumbing fixtures for the Peralta School. Plans and complete information can be secured from the purchasing agent on the 11th floor of the City Hall. Bids will close on May 18th at 4:30 p. m. An official proposal appears in another column of this issue.

WAREHOUSE WINDOW SASH AND FRAMES—Steel. Cost not stated. Oakland, Cal. Engineer, Harbor Engineer, City Hall, Oakland. Owners, City of Oakland. Bids will be opened on May 13th for furnishing and installing steel window sash and frames in the municipal warehouse being erected on property parallel with the quay wall. Plans and complete information can be secured from the Harbor Engineer.

RESIDENCE—2 story and base, frame, \$3,500. Oakland, Cal. Architect, none. Owner, A. B. Chase, 1521 79th avenue, Oakland. The dwelling has been designed for a seven-room house with bath and sleeping porch and will be erected on Peralta avenue north of Montana. Interior will be finished in pine and hardwood with white enamel in the bed rooms. Hardwood floors will be used in the living room, dining room and reception hall.

There will be furnace heat and open fire places. Mantels will be of tile or brick. Tile wainscot will be used in the bath room. An automatic water heater will be installed. Exterior of the house will be covered with cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor. Materials are now being purchased.

STORE MEZZANINE FLOOR—Steel and concrete. Cost not stated. Oakland, Cal. Architects, Allen Yerrick and Harvey Smith, Blake Bldg., Oakland. Owners, Miller Creamery Co. A large mezzanine floor will be constructed in the building at 2941 Broadway. The work will include structural steel, reinforced concrete, interior finish, plumbing, electric work and painting. Plans are complete and in the hands of the owners who are letting sub-contracts.

SCHOOL GYMNASIUM—1 story, frame and plaster, \$6,000. Oakland, Cal. Architect, Julia Morgan, Holbrook Bldg., S. F. Owners, Mills College. The building will be erected as an addition to the present gymnasium, and has been designed to contain bowling alleys. Interior finish will be of pine. Exterior will be covered with cement plaster on metal lath. Plans are nearly ready for figures.

Contracts Awarded.

APARTMENT HOUSE—2 story and base, frame, \$12,000. Oakland, Cal. Architect, none. Owner, R. Pozzi. Contractors, Sommarstrom Bros., 202 East 12th street, Oakland. Contract price, \$12,000.

Bids For Steel For Oakland Warehouse.

Dyer Bros. Submit Low Bid For Oakland City Warehouse and Will be Awarded the Contract.

Bids were opened by the Oakland City Council for construction of a steel frame for the one-story warehouse to be erected on property parallel with the quay wall between Jefferson and Grove streets. The building will be 402 feet long and 91 feet wide. Oakland harbor engineer, City Hall, designed the building. The lowest figures was for \$14,406 and was submitted by Dyer Bros. of San Francisco. Following is a list of the bids received:

Steel Frame For Warehouse.	
Ralston Iron Works.....	\$16,240.00
Schrader Iron Works.....	17,340.00
Dyer Bros.	14,406.00
Central Iron Wks (no check)	15,762.50

OAKLAND BUILDING OPERATIONS.

For The Month of April, 1915.

Classification of Buildings	No. Permits	Cost.
1-story dwellings.....	68	\$113,410.00
1½-story dwellings....	10	23,775.00
2-story dwellings.....	20	79,241.00
2-story apartments....	3	21,500.00
2-story schools.....	2	44,166.00
1-story church.....	1	6,500.00
Moving picture theatre	1	4,300.00
1-story stores.....	1	2,350.00
2-story reinforced concrete canoe house...	1	11,000.00
3-story reinforced concrete school.....	1	142,000.00
1-story reinforced concrete pavilion.....	1	2,115.00
1-st brick warehouse..	1	900.00
1-st brick garage.....	2	6,400.00
1-story brick shed....	1	100.00
1-story brick office....	2	460.00
Pump house.....	1	60.00
Shoe shop.....	1	85.00
Store room.....	1	180.00
Steel water tower....	1	1,524.00
Concrete foundation for warehouse.....	1	1,140.00
Garages, sheds and stables	38	4,379.00
Work shops, tank frames and barns...	3	700.00
Alterations, additions and repairs.....	133	64,017.55
Total	294	\$530,302.75

SUMMARY

New construction.....	161	\$466,285.20
Alterations, additions and repairs.....	133	64,017.55
Total	294	\$530,302.75

Building Contracts Awarded.

Oakland.

No.	Owner.	Contractor	Am't.
809	Franchi	McKinnon	1390
810	Weiner	Weiner	1960
811	Burger	Sommarstrom	4400
812	Alta Pied't	Nelson	6140
813	Gilbert	Gilbert	2000
814	Whitney	Whitney	2400
815	Lodge	Lodge	2000
817	Wachs	Baccus	5660
819	Veitch	Cooley	500
820	McDermid	Hart	500
821	Murchison	Cardoza	600
822	De Golla	Yerrick	700
823	Wright	Wright	1500
827	Maginnis	Knight	975
828	Colonial	Corbett	1400
829	Baker	Sherwood	2500
830	Warner	Olson	4000
832	Brookes	Brookes	1200
833	Bryan	Panie	450
834	Quigley	Quigley	5000
835	Clifford	Clifford	1500
836	Garcia	Negley	2450
837	Reggi	Secombe	625
846	Deluchi	Fake	1850
848	Bischoff	Bischoff	2500
849	Elks Club	Bay City	400
850	Chase	Chase	3500

DWELLING

(809) SE FORTY-FIRST & MARKET, Oakland. One-story 5-room dwelling Owner.....Geo. Franchi, 861 Union, San Francisco. Architect...None. Contractor...W. H. McKinnon, 2023 Brush, Oakland.

COST, \$1390

DWELLING

(810) NO. 384 WALSWORTH AVE., Oakland. One and one-half-story 6-room dwelling.

Owner.....S. Weiner, 3360 Mission,
San Francisco.

Architect...None.

Day's work. _____ COST, \$1960

BRICK GARAGE

(811) W COLLEGE AVE 150 N Clifton
Oakland. One-story brick garage.

Owner.....Frank W. Burger.

Architect...None.

Contractor..M. F. Sommarstrom, 301
Oak, Oakland.

_____ COST, \$4400

FRAME DWELLING

(812) SE ARDMORE AND MANDANA
Blvd. being Lot 121 and ptn Lot 120
lying E line drawn parallel to E
boundary line Lot 120 and distant at
L 23 W therefrom, Map Crocker
Highlands, Oakland. All work for
two-story frame dwelling.

Owner.....Alta Piedmont Land Co.,
Oakland Bank of Svgs.
Bldg., Oakland.

Architect...Chas. W. McCall, Central
Bank Bldg., Oakland.

Contractor..H. P. Nelson, 2241 Grove,
Berkeley.

Filed Apr. 30, '15. Dated Apr. 29, '15.

Frame up ¼
Brown coated ¼
Completed and accepted..... ¼
Usual 35 days..... ¼

TOTAL COST, \$6140

Bond, \$3070. Surety, Southwestern
Surety Insurance Co. Limit, none.
Forfeit, \$5. Plans and specifications
filed.

DWELLING

(813) N SCHOOL, 120 W Curran Ave.,
Oakland. One-story, 5-room dwlg.

Owner.....E. C. Gilbert, 604 34th St.,
Oakland.

Architect...None.

Day's work. _____ COST, \$2000

FLATS

(814) SW ALLSTON WAY and Jeffer-
son, Oakland. Two-story, five-room
flats.

Owner.....Homer Whitney, 2206 Jef-
ferson, Oakland.

Architect...None.

Day's work. _____ COST, \$2,400

DWELLING

(815) S CLEVELAND, 160 E Wesley
Ave., Oakland. One and one-half
story five-room frame dwelling.

Owner.....Martha E. Lodge, 5471
Princeton, Oakland.

Architect...None.

Contractor..C. F. Lodge, 5471 Prince-
ton, Oakland.

_____ COST, \$2,000

(817) NW THIRTEENTH and Wash-
ington, W 75xN 50, Oakland. Re-
model three-story frame building,
alter first floor to stores.

Owner—Martin, Harold and Lionel
Wachs and Gertrude Haze)
Hyman, 1117 Broadway,
Oakland.

Architect...F. D. Voorhees, Central
Bank Bldg., Oakland.

Contractor..Wm. J. Baccus and F. T.
Kennedy, 565 16th St., Okd.

Filed, April 27, '15. Dated, April 21, '15.

15th of each month75%
Usual 35 days25%

TOTAL COST, \$5,660

Bond \$2,830. Sureties, Commonwealth

Bonding and Casualty Co. Forfeit,

\$25. Limit, 28 days. Plans and speci-
fications filed.

ALTERATIONS

(819) NO. 207 TWELFTH, Oakland.
Alterations.

Owner.....Veitch & Presley, Prem.

Architect...None.

Contractor..R. H. Cooley, 1st Savings
Bank, Berkeley.

_____ COST, \$500

ADDITION

(820) W FORTY-FIFTH AVE 150 S
E-14th, Oakland. Addition.

Owner.....W. McDermid, 1233 45th
Ave., Oakland.

Architect...None.

Contractor..J. G. Hart, 2131 E-16th,
Oakland.

_____ COST, \$500

DWELLING

(821) S LOCKWOOD 540 E 73rd Ave.,
Oakland. One-story 4-room dwlg.

Owner.....Alick Murchison, 1267 82d
Ave., Oakland.

Architect...None.

Contractor..Frank Cardoza, 1263 82d
Ave., Oakland.

_____ COST, \$600

ALTERATIONS

(822) NO. 1812 HARRISON, Oakland.
Alterations.

Owner.....Geo. E. De Golia.

Architect...Nerrick.

Contractor..Yerrick & Smith, Blake
Block, Oakland.

_____ COST, \$700

DWELLING

(823) W FORTY-SECOND AVE 480 N
Carrington, Oakland. One-story 5-
room dwelling.

Owner.....S. H. Wright, 1449 52nd
Ave., Oakland.

Architect...None.

Day's work. _____ COST, \$1500

DWELLING

(827) E LUSK 50 S 41st, Oakland. All
work for one-story 4-room dwelling.

Owner.....John Maginnis, 1663 14th,
Oakland.

Architect...None.

Contractor..Harry C. Knight, 3800
Market, Oakland.

Filed May 3, '15. Dated Apr. 27, '15.

Roof rafters in place.....\$225
Ready for plaster..... 300
Door jambs set and outside work
completed 225
Completed and accepted..... 225

TOTAL COT, \$975

Bond, none. Limit, 75 days after lay-
ing mudsills. Forfeit, none. Plans
and specifications filed.

ALTERATIONS

(828) NO. 422 FOURTEENTH, Oak-
land. Alter furniture store into
cafeteria.

Owner.....Colonial Cafeteria, 417
13th, Oakland.

Architect...None.

Contractor..Corbett & Bayless, 1110
Franklin, Oakland.

_____ COST, \$1400

DWELLING

(829) N SIXTY-FIRST 200 E Colby,
Oakland. Two-story 8-room dwlg.

Owner.....J. E. Baker, 5912 Ayala,
Oakland.

Architect...None.

Contractor..J. P. Sherwood, 463 60th,
Oakland.

_____ COST, \$2300

FRAME DWELLING

(830) S MONTE VISTA 100 E Fair-
mont being SE 35 Lot 15 and NW 5
Lot 14 Blk "B" Map No. 2, Linda
Vista Terrace, Oakland. All work
for two-story frame dwelling.

Owner.....E. L. Warner, Care Con-
tractor.

Architect...None.

Contractor..Edward Olsen, 977 Bay
View Ave., Oakland.

Filed May 4, '15. Dated May 3, '15.

Frame up ¼
Brown coated ¼
Completed ¼
Usual 35 days..... ¼

TOTAL COST, \$4000

Bond, none. Limit, 90 days. Forfeit,
none. Plans and specifications filed.

DWELLING

(832) W PERALTA AVE 300 S Mon-
tana, Oakland. One-story 3-room
dwelling.

Owner.....F. W. S. Brookes, 3156
Fruitvale Ave., Oakland.

Architect...None.

Contractor..W. R. Brookes, 2900 Made-
line, Oakland.

_____ COST, \$1200

ALTERATIONS

(833) NO. 2401 HARRISON, Oakland.
Alterations.

Owner.....Julia J. Bryan, 610 Brook-
lyn Ave., Oakland.

Architect...None.

Contractor..Fanie & Chapman & Co.,
Elmhurst.

_____ COST, \$450

DWELLING

(834) NE LAKESHORE AND MAN-
dana Blvd., Oakland. Two-story 10-
room dwelling.

Owner.....C. E. Quigley, 771 Rand
Ave., Oakland.

Architect...None.

Day's work. _____ COST, \$5000

DWELLING

(835) W THIRTY-FIFTH 200 N
Hopkins, Oakland. One-story 4-room
dwelling.

Owner.....J. B. Clifford, 3847 35th
Ave., Oakland.

Architect...None.

Day's work. _____ COST, \$1500

DWELLING

(836) W EIGHTY-SIXTH AVE 240 N
Blanch, Oakland. One and one-half-
story 8-room dwelling.

Owner.....Mrs. Josephine Garcia, 2017
Broadway, Oakland.

Architect...None.

Contractor..Frank Negley, 1348 Broad-
way, Oakland.

_____ COST, \$2450

STORE

(837) NE FORTY-NINTH & LAWTON
Ave., Oakland. One-story store.

Owner.....Chas. Riggl, 4912 Lawton
Ave., Oakland.

Architect...None.

Contractor..A. H. Secombe, 5251 Clare-
mont Ave., Oakland.

_____ COST, \$625

ADDITION

(842) NO. 714 FIFTH AVE., Oakland.
Addition.

Owner.....Alice Philips, Premises.
Architect...None.
Contractor...John Kringler, 723 E-14th,
Oakland. COST, \$500

DWELLING
(814) E COLBY 350 N Alcatraz Ave.,
Oakland. One-story 5-room dwlg.
Owner.....R. C. Hillen, 430 Haight
Ave., Alameda.
Architect...None.
Day's work. COST, \$2500

DWELLING
(816) N ARDMORE 100 W Mandana
Blvd, Oakland. Two-story 9-room
dwelling.
Owner.....R. S. Hewitt, 310 Thomson
Bldg., Oakland.
Architect...None.
Contractor...W. M. Greuner, Thomson
Bldg., Oakland. COST, \$5000

DWELLING
(816) N NINETEENTH 230 E 22nd
Ave., Oakland. One-story 5-room
dwelling.
Owner.....Julius A. Deluchi, 2239 E-
19th, Oakland.
Architect...None.
Contractor...W. H. Fake, 1640 25th Ave.
Oakland. COST, \$1850

DWELLING
(818) N SIXTY-THIRD 287 W College
Ave., Oakland. One-story 6-room
dwelling.
Owner.....John A. Bischoff, 6045 Har-
wood Ave., Oakland.
Architect...None.
Day's work. COST, \$2500

ALTERATIONS
(819) NO. 414 FOURTEENTH, Oak-
land. Alterations.
Owner.....Elks Club, Premises.
Architect...None.
Contractor...Bay City Cabinet Co., 1080
5th, Oakland. COST, \$400

DWELLING
(850) E PERALTA AVE 40 N Mon-
tana, Oakland. Two-story 7-room
dwelling.
Owner.....A. B. Chase, 1521 79th Ave.,
Oakland.
Architect...None.
Day's work. COST, \$3500

BUILDING CONTRACTS

Berkeley.

No.	Owner	Contractor	Amt.
816	Dabney	Booth	3000
818	Whitney	Bachelden	1500
824	Person	Person	1850
825	Niehaus	Sheridan	400
826	Pillitter	Cross	500
831	Potter	Button	4100
842	Phillips	Kringler	500
843	Hillen	Hillen	2500
844	Hewitt	Greuner	5000
845	Rendleton	Satten	1000
847	Whitton	Wilson	450

STORES

(816) E COLLEGE AVE., 52 S Derby,
Berkeley. One-story stores.
Owner.....Mrs. L. Dabney, 2730 Web-
ster, Berkeley.
Architect...W. L. Schmolle, 166 Geary
street, S. F.

Contractor...J. M. Booth, 2730 Webster,
Berkeley.

COST, \$3,000

DWELLING

(818) W DOHR 180 N Oregon, Ber-
keley. One-story 5-room dwelling.
Owner.....Homer Whitney, 2206 Jef-
ferson, Berkeley.
Architect...None.
Contractor...M. O. Bachelden.
COST, \$1500

DWELLING

(824) N CARLTON 40 W Mabel, Ber-
keley. One-story 5-room dwelling.
Owner.....G. M. Person, 4447 23rd,
San Francisco.
Architect...None.
Day's work. COST, \$1850

DWELLING

(825) S PLAZA DRIVE 150 E En-
cinal Place, Berkeley. One-story 1-
room dwelling.
Owner.....E. E. Niehaus, 24 Plaza
Drive, Berkeley.
Architect...None.
Contractor...Phil Sheridan, 1510 Har-
mon, Berkeley. COST, \$400

ALTERATIONS

(826) N WOOLSEY 250 E Shattuck
Ave., Berkeley. Alterations.
Owner.....M. R. Pillitter, 2127 Wool-
sey, Berkeley.
Architect...None.
Contractor...A. Cross, 2118 Woolsey,
Berkeley. COST, \$500

FRAME DWELLING

(831) LOT 44 BLK "F" Northbrae
Terrace, Berkeley. All work for
two-story frame dwelling.
Owner.....A. I. Potter, 1 Terrace
Walk, Berkeley.
Architect...Ernest K. Armstrong.
Contractor...Frank Button, 1625 Shat-
tuck Ave., Berkeley.
Filed May 4, '15. Dated Apr. 30, '15.
Frame up 1/4
Brown coated 1/4
Completed and accepted..... 1/4
Usual 35 days..... 1/4
TOTAL COST, \$4100
Bond, none. Limit, 150 days. Forfeit,
\$5. Plans and specifications filed.

ADDITION

(845) NO. 2426 VIRGINIA, Berkeley.
Two-story 4-room addition to dwlg.
Owner.....J. L. Pendleton, 2342
Eunice, Berkeley.
Architect...None.
Contractor...H. J. F. Satten, 2536 Chil-
ton Way, Berkeley. COST, \$1000

ALTERATIONS

(847) SW GILLMAN AND STANAGE,
Berkeley. Alterations.
Owner.....F. Whitten, 866 Poterson
Ave., San Francisco.
Architect...None.
Contractor...C. E. Wilson, 220 6th Ave.,
San Francisco. COST, \$450

Alameda.

No.	Owner	Contractor	Amt.
838	Ray	Ochs	600
839	Mowry	Rose	500
840	Lambert	Gresham	1750
841	Keyes	Fish	400
851	Fontaine	Carlson	1550

DWELLING

(838) S LINCOLN AVE 50 E St. Charles
Ave., Alameda. One and one-half-
story 5-room dwelling.
Owner.....Charles Ray, 1553 Mozart,
Alameda.
Architect...None.
Contractor...O. R. Ochs, 1553 Mozart,
Alameda. COST, \$600

TANK FRAME

(839) NO. 1137 BROADWAY, Alameda.
Tank frame.
Owner.....J. L. Mowry, Premises.
Architect...None.
Contractor...F. F. Rose, 2005 San Jose
Ave., Alameda. COST, \$500

DWELLING

(840) NO. 1229 VERSAILLES AVE.,
Alameda. One-story 6-room dwlg.
Owner.....F. W. Lambert, 1114 Re-
gent, Alameda.
Architect...None.
Contractor...F. T. Gresham, 1114 Re-
gent, Alameda. COST, \$1750

ALTERATIONS

(841) NO. 3208 WASHINGTON, Ala-
ameda. Alterations.
Owner.....C. E. Keyes.
Architect...None.
Contractor...M. H. Fish, 1420 Fountain,
Alameda. COST, \$400

DWELLING

(851) W PEARL 310 N San Jose Ave
N 40 —, Alameda. All work for
one-story dwelling.
Owner.....Mrs. Madeline H. Fontaine,
Oakland.
Architect...None.
Contractor...O. M. Carlson, 1456 82nd
Ave., Oakland.
Filed May 7, '15. Dated —.
Frame up \$400
Plastered 400
Completed, \$400 and note for \$350,
payable \$20 a month with 5% interest
TOTAL COST, \$1550
Bond, none. Limit, 60 days. Forfeit,
plans and specifications, none.

COMPLETION NOTICES.

ALAMEDA COUNTY

May 1, 1915—SW 40 LOT 130, Map
Fruitvale Add'n Tract, Okd.
NE 10 LOT 130 and SW 30 Lot 131,
Map Fruitvale Add'n Tract, Okd.
NE 20 LOT 131 and SW 20 Lot 132,
Fruitvale Add'n Tract, Okd.
NE 30 Lot 132 and SW 10 Lot 133,
Map Fruitvale Add'n Tract, Okd.
NE 40 LOT 133, Map Fruitvale
Add'n, Oakland.
SW 40 LOT 131, Map Fruitvale
Add'n Tract, Oakland.
NE 10 LOT 134 and SW 30 Lot 135,
Map Fruitvale Add'n, Oakland.
NE 20 LOT 135 and SW 20 Lot 136,
Map Fruitvale Add'n Tract, Okd.
NE 30 LOT 136 and SW 10 Lot 137,
Map Fruitvale Add'n Tract, Okd.
NE 40 LOT 137, Map Fruitvale
Add'n Tract, Oakland.
LOT 138, Map Fruitvale Add'n Tct,
Oakland.
SW 40 LOT 139, Map Fruitvale
Add'n Tract, Oakland.
Oakland Homes Corporation to

whom it may concern..Mar. 27, 1915
May 1, 1915—NO LOCATION GIVEN.
Francis H Harding to Walter H
Creighton.....May 1, 1915
May 4, 1915—PTN LOTS 9 AND 10
Blk 1 Map Resbdvn of Ptn Blk 1,
Map Fitchburg Homestead Lots,
Okd. Everett Elrod to whom it
may concern.....April 21, 1915
May 4, 1915—S COUNTY ROAD
leading from Irvington to Niles
and formerly known as the Carter
Tract. Richard Lriscoil to F C
Griffin & Sons...Dec. 5, 1914
May 5, 1915—LOT 21 BLK 16 North
Cragmont, Oakland Tp. Ethel M
Essig to F R Peake Co...May 1, 1915
May 5, 1915—LOT 8 Map Craig Ppty,
Piedmont. C M and Zada L Blabon
to C M Blabon.....April 3, 1915
May 5, 1915—SE PARKER & MABEL
being Lot 1 Blk 20 Mathews Tract,
Bkly. Gustaf Johanson to whom
it may concern.....April 26, 1915
May 6, 1915—NW NINETEENTH AV
40 NE E-23 NE 40xNW 125, Okd.
Mary E Bemis to H A Lanpher and
R Wallace (Wallace & Lanpher)...
.....May 2, 1915
May 6, 1915—LOT 2 Map Nova Pied-
mont, Piedmont. F H Harding to
Walter H Creighton.....May 1, 1915
May 7, 1915—LOT 1 BLK J Flint Tct
No. 4, Okd. Charles L Hogue to
Guy Taylor.....May 5, 1915

LIENS FILED.

ALAMEDA COUNTY.

Apr. 21, 1915—LOTS 307, 309 & 311,
Map Terminal Junction Tct, Okd.
F I Peacock vs A P Buchanan..\$930
May 3, 1915—S 40, LOT 4, BLK H,
Map Weston Tract, Oakland. J.
W. Swift and R. C. Wilcox (Swift
& Wilcox) vs. Mary Grace Dwyer,
Leo L. Nichols and J. H. Kirk..
.....\$127.85
May 4, 1915—S 40 LOT 4 BLK "H"
Map Weston Tract, Okd. Marshall
& Stearns Co vs Mary Grace
Dwyer, Leo L. Nichols, First Doe,
Second Doe, Third Doe.....\$50
May 4, 1915—N SIXTH 75 W Grove
W 75xE 100, Okd. Hogan Lumber
Co vs K. Rubenstein and Louis
Rothenberg\$237.90
May 4, 1915—SE FORTY-FIRST &
Broadway E 100xS 150, Okd. W P
Fuller & Co vs Mary Grace Dwyer
and J E Lanches.....\$55.90
May 5, 1915—LOT 33 BLK 531 4th Ave
Terrace, Okd. C F Lodge and A
Mikkelsen vs Cecilia Simpson and
Torrence S Petersen.....\$190
May 6, 1915—E 45 LOTS 16 AND 17
Blk "B" Map Leviston Tract, Bkly.
John Heikkila vs Gustaf Johan-
son\$369.40
May 6, 1915—NE THIRTEENTH AV
112½ SW E-17th NW 100xSW 37½,
Okd. Melrose Lumber & Supply Co
vs Ike H Harold and R E Moore..
.....\$322.69
May 5, 1915—LOT 36 BLK 4 Map Mel-
rose Heights Tract, Okd. Olof
Tillman vs H F Tillmar, T S Peter-
son and John Doe Smiley.....\$50
May 7, 1915—E EMERSON 65 fm SW
line E-37th SW 35 SE 100 N 49-51
NW 65, Okd. G L Tyler (Bay City
Roofing Co) vs G H Lewis and L H
Montgomery\$20

RELEASE OF LIENS

ALAMEDA COUNTY

Apr. 30, 1915—LOT "Y" Map Eucalyp-
tus Hill, Claremont, Bkly. Hodge
& Collins Lumber Co, \$742.06; Sun-
set Lumber Co, \$669.45; E K Wood
Lumber Co, \$422.09; Union Floor
Co, \$135; John P Maxwell, \$78.81;
Olaf Tillman, \$253; Carl Johnson,
\$161 to W E and Elizabeth Dodge
and T S Peterson.....
Apr. 26, 1915—S RICH 601.44 W
Cherry W 40xS 90, Okd. Estella D
Waldbuesser to Ilda L Thelen
et al\$161.56
Apr. 30, 1915—(1) NW BARTLETT
& NE Deering NE 40xNW 125; (2)
NW BARTLETT 40 NE Deering
NE 40xNW 125; (3) NW BART-
LETT 80 NE Deering NE 40xNW
125; (4) NW BARTLETT 120 NE
Deering NE 40xNW 125; (5) NW
BARTLETT 160 NE Deering NE 40x
NW 125; (6) NW BARTLETT 200
NE Deering NE 40xNW 125; (7)
NW BARTLETT 240 NE Deering
NE 40xNW 125; (8) NW BART-
LETT 280 NE Deering NE 40xNW
125, Okd. A Lazzareschi, \$650.
S 20 LOT 136 and N 20 Lot 135,
Map Fruitvale Add'n Tract, Okd.
John P Maxwell, \$58.62.
S 30 LOT 135 and N 10 Lot 134, Map
Fruitvale Add'n Tract, Okd. John
P Maxwell, \$63.42.
S 40 LOT 134, Map Fruitvale Add'n
Tract, Okd. John P Maxwell, \$64.87.
E 10 LOT 135 and W 30 Lot 136,
Map Fruitvale Add'n Tract, Okd.
Pacific Mfg Co., \$113.75.
E 40 LOT 134, Map Fruitvale Ad-
dition Tct, Okd. Pacific Mfg Co,
\$121.20.
W 40 LOT 135, Map Fruitvale Add'n
Tract, Okd. Pacific Mfg Co., \$123.80.
E 20 LOT 135 and W 20 Lot 136,
Map Fruitvale Add'n Tract, Okd.
Panama Mill & Lumber Co, \$419.90.
E 10 LOT 154 and W 30 Lot 135,
Map Fruitvale Add'n Tract, Okd.
Panama Mill & Lumber Co, \$466.38.
W 40 LOT 134, Map Fruitvale Add'n
Tract, Okd. Panama Mill & Lum-
ber Co., \$445.96.
E 20 LOT 132 and W 20 Lot 133,
Map Fruitvale Add'n Tract, Okd.
Strable Mfg Co., \$46.16.
E 10 LOT 130 and W 30 Lot 131,
Map Fruitvale Add'n Tract, Okd.
Strable Mfg Co., \$37.75 to Oakland
Homes Corporation
May 3, 1915—SE SANTA CLARA AV
and Broadway S 41.6xE 50.2, Ala.
Joseph A McGowan to A J Franck
and Carl Overaa\$372

SAN JOSE AND THE SANTA CLARA VALLEY

BRIDGE—Reinforced concrete. Cost
not stated. Watsonville, Santa Cruz
Co., Cal. Engineers, Leonard & Day,
Rialto Bldg., S. F. Owners, City of
Watsonville. At the last meeting of
the Board of Aldermen bids were or-
dered advertised for the construction
of the Pajaro River bridge. Bids close
May 24th at 2 p. m. According to the
approved plans of Engineers Leonard
& Day, the bridge will have seven 60-
foot spans instead of five 84-foot spans
as at first planned.

STREET PAVING — Cost not stat-
ed. San Mateo, San Mateo Co., Cal.

Engineer, City Engineer, San Mateo.
Owners, City of San Mateo. The City
Trustees have adopted plans and speci-
fications for the paving of all unim-
proved streets in the district bounded
by 5th street and El Camino Real,
Peninsular and D streets. Approxi-
mately 38 blocks are included in the
proposed work.

CEMENT—Cost not stated. San Jose,
Santa Clara Co., Cal. Engineer, Coun-
ty Surveyor, San Jose. Owners, Santa
Clara County. Bids are now being
taken by the Board of Supervisors for
furnishing the County of Santa Clara
with 50,000 barrels of Portland cement
to be delivered during the next two
years. Bids will be opened on June
7th. The cement is to be delivered at
various towns throughout the county.
Full particulars can be secured by ad-
dressing the County Clerk at San Jose.

SEWER WORK—Cost not stated.
Santa Cruz, Santa Cruz Co., Cal. En-
gineer, City Engineer, Santa Cruz.
Owners, City of Santa Cruz. Plans and
specifications for the construction of a
sewer in King street from Bay to
Olive streets, prepared by the City En-
gineer have been adopted by the City
Council, and bids on the work will soon
be called for.

STREET PAVING—\$25,000. Hollis-
ter, San Benito Co., Cal. Engineer,
City Engineer, Hollister. Owners, City
of Hollister. Bids for the paving of
Monterey and South streets are now
being taken by the Town Trustees.
Bids close May 17. The work will cost
\$25,000.

Contracts Awarded.

HIGHWAY CONSTRUCTION — \$12,-
286.52. Salinas, Monterey Co., Cal. En-
gineer, County Surveyor, Salinas. Own-
ers, Monterey County. Contractors,
Granite Rock Co., Salinas. Contract
price, \$12,286.52.

HIGHWAY WORK—Cost as follows.
Redwood City, San Mateo Co., Cal. En-
gineer, County Surveyor, Redwood
City. Owners, San Mateo County. Con-
tractors, Blanchard-Brown Co., S. F.,
8,932 miles, \$31,367.03. James Willison,
Redwood City, 6,005 miles, \$25,665.82,
and Wrightson, Anderson & Yost, Red-
wood City, \$28,558.55.

BANK—1 story and base, reinforced
concrete, \$20,000. Daly City, San Mateo
Co., Cal. Architect, Edward T. Foulkes,
Crocker Bldg., S. F. Owners, Daly City
Bank. The building has been designed
in the classic style and will be of fire-
proof construction. Interior finish will
be of pine and hardwood with some
ornamental plaster. Special bank fix-
tures and coin vaults will be installed.
Exterior of the building will be faced
with cement plaster. Plans are being
prepared.

BUILDING CONTRACTS

SANTA CLARA COUNTY.

HOUSE

C. M. WOOSTER SBDVN NO. 2 of Clark
ranch containing 1.15 acres, Mayfield
Township. All work for one-story
house.

Owner.....C. L. and H. A. Goetz, Palo
Alto, Cal.

Architect...C. E. Branson.

Contractor..Geo. B. Moore, Mayfield.

Jose. All work for frame cottage.
Owner.....F. M. Budlong, San Jose.
Architect...None.

Contractor...G. W. Garvin.

Filed Apr. 22, '15. Dated Apr. 21, '15.

Frame up	\$450
Plastered one coat.....	450
When completed	450
Usual 35 days.....	450

TOTAL COST, \$1800

Bond, limit, forfeit, none. Plans and specifications filed.

BUILDING CONTRACTS.

SAN MATEO COUNTY.

FRAME MARKET BUILDING
SE COR. MISSION AND TEMPLETON
Ave., Daly City. All work for one-story frame market building.

Owner.....M. J. Winter, Daly City.

Architect...Frank S. Holland, 100 Haight, San Francisco.

Contractor...Mager Bros., 110 Jessie, San Francisco.

Filed Apr. 28, '15. Dated Apr. 26, '15.

When graded	\$ 520
Plastered	1600
Completed	1600
Usual 35 days.....	1250

TOTAL COST, \$4970

Bond, \$2500. Sureties, D. B. Macdonald and S. Mager. Limit, 75 days. Forfeit, none. Plans and specifications filed.

ALTERATIONS

"MAYLEW," Atherton. All work for alterations and additions to residence.

Owner.....Carl Raiss, 429 California, San Francisco.

Architect...C. A. Haber, S. F.

Contractor...Hother Glahn, S. F.

Filed Apr. 26, '15. Dated Apr. 24, '15.

Frame and roof completed.....	\$1460
Plastering completed	1460
When completed	1460
Usual 35 days.....	1460

TOTAL COST, \$5840

Bond, \$2920. Sureties, J. W. Schonten and J. H. McCallum. Limit, 55 days. Forfeit, \$10 per day. Plans and specifications filed.

HARDWOOD FLOORS

"CAROLANDS," Hillsboro. All work for hardwood floors for residence in course of construction.

Owner.....Mrs. Harriett Pullman Carolan, Hillsboro, Cal.

Architect...Willis Polk & Co., Hobart Bldg., San Francisco.

Contractor...Inald Floor Co., 18th and Harrison, San Francisco.

Filed Apr. 28, '15. Dated Mar. 27, '15.

Work done and material furnished each month	75%
Usual 35 days.....	25%

TOTAL COST, \$3700

Bond, \$1850. Surety, Pacific Coast Casualty Co. Limit, June 1, 1915. Forfeit, \$10 per day. Plans and specifications filed.

RELEASE OF LIENS.

SAN MATEO COUNTY.

RECORDED AMOUNT

Apr. 30, 1915—LOT 31 BLK 6, Crocker Tract Sub No. 1, Daly City. A L. Stockton Lumber Co to John F. Boulhard

Apr. 30, 1915—LOT 31 BLK 6, Crocker Tract, Daly City. S C Lervin to F John Boulhard.....

Apr. 28, 1915—NW BELLEVUE AND

Pepper Aves, Burlingame. Crane Co to D T Murphy and D Brooks..

.....\$200.39

LIENS FILED.

SAN MATEO COUNTY.

RECORDED AMOUNT

Apr. 30, 1915—LOT 230 San Mateo Park, San Mateo. Shaw-Batcher Co vs R H Fulton, Charles A Jones and Baldwin & Howell.....

.....\$235.45

COMPLETION NOTICES

SAN MATEO COUNTY.

RECORDED ACCEPTED

Apr. 23, 1915—PARK AVE & GARDEN, Daly City. Adolf Tantz to Johnson & Rosengren..Apr. 15, 1915

Apr. 30, 1915—LOT 12 BLK 18, Crocker Estate Tract, Daly City. Louis Abraham to L L Allen and C Knight.....April 29, 1915

MARIN, CONTRA COSTA AND SONOMA COUNTIES

RESIDENCE — 1 story and base, frame, \$2,500. Richmond, Contra Costa Co., Cal. Architect, James T. Narbett, Berry Bldg., Richmond. Owner, W. H. Eckert. The dwelling has been designed for a six-room house with bath and sleeping porch. Interior will be finished in pine throughout. Some hardwood floors will be used. There will be a large open fire place in the living room. Mantel will be of tile or brick. Tile wainscot will be used in the bath room. An automatic water heater will be installed. Exterior of the dwelling will be covered with rustic and cement plaster on metal lath. Plans are complete and a contract will be awarded shortly.

BRIDGE—Reinforced concrete. Cost not stated. Martinez, Contra Costa Co., Cal. Engineer, City Engineer, Martinez. Owners, City of Martinez. The City Trustees have instructed the City Engineer to prepare plans and specifications for the construction of a concrete arch bridge to span the creek at Ferry Point. The City Engineer will present the plans at the next meeting of the Trustees, which will be held in two weeks.

SEWER WORK—Cost not stated. Petaluma, Sonoma Co., Cal. Engineer, City Engineer, Petaluma. Owners, City of Petaluma. The City Engineer has been instructed to construct a 6-inch iron pipe sewer along the center line of Laurel avenue from B to D streets.

BANK—1 story and base, brick and stone. Cost not stated. Martinez, Contra Costa Co., Cal. Architect, A. A. Cantin, Foxcroft Bldg., S. F. Owners, Bank of Martinez. Plans have been completed for a one-story bank structure which will be erected on Ferry street, adjoining the present quarters of the bank. The design is in the Classic style. The exterior will be faced with pressed brick and cut stone. The entire building will be occupied by the bank. Interior finish will be of pine and hardwood, with ornamental plaster and tile floors. There will be a central heating system, probably steam heat, with a complete oil burning equipment. Special bank fixtures and vaults are specified. Plans are complete and figures are now being taken.

STORES—1 story and base, brick, \$3,000. Richmond, Contra Costa Co., Cal. Architect, James T. Narbett, Berry Bldg., Richmond. Owner, Frederick C. Sehram. The building will cover an area of 30 by 80 feet, and has been designed to contain one store. Interior finish will be of pine throughout. Patent store fronts are specified. Exterior of the building will be faced with enamel brick. Plans are complete and figures are now being taken.

HIGHWAY GRADING — \$2,050. San Rafael, Marin Co., Cal. Engineer, County Surveyor, San Rafael. Owners, Marin County. The Marin Rock Co. submitted a bid of \$2,050 for grading the beach from Willow Camp to the San Rafael-Bolinas road at Wilkin's Place. The bid was taken under advisement.

STREET PAVING—Cost not stated. Richmond, Contra Costa Co., Cal. Engineer, City Engineer, Richmond. Owners, City of Richmond. Bids will be received by the City Council until May 17th at 8 p. m. for considerable macadam, Richmond standard type. The work includes pavement on Mary street, Cutting boulevard and other streets in the Pullman Tract. Sidewalks, gutters and curbs are included. Plans and specifications can be secured from the City Clerk.

PILE DRIVING—25½¢ per foot. Benicia, Solano Co., Cal. Engineer, County Surveyor, Fairfield. Owners, Solano and Sacramento Counties. Contractors, M. L. Isham & Co. Contract price, 25½¢ per foot.

BRIDGE—Reinforced concrete, \$3,300. Vacaville, Solano Co., Cal. Engineer, County Surveyor, Fairfield. Owners, Solano County. Contractors, Gildersleeve Contracting Co. Contract price, \$3,300.

Contracts Awarded.

STREET PAVING—\$14,665. Petaluma, Sonoma Co., Cal. Engineer, City Engineer, Petaluma. Owners, City of Petaluma. Contractors, Eaton & Smith, S. F. Contract price, \$14,665.

STREET PAVING—\$6,221.87 and \$1,288.16. Napa, Napa Co., Cal. Engineer, City Engineer, Napa. Owners, City of Napa. Contractor, George Errington, Napa, \$6,221.87, and F. A. Burge, Napa, \$1,288.16.

SCHOOL—1 story and base, frame, \$13,814. Sebastopol, Sonoma Co., Cal. Architects, Thomas M. Edwards and Ernest L. Norberg, Bank Bldg., Burlingame. Owners, Sebastopol School District. Contractor, M. E. Parfitt, Sebastopol. Contract price, \$13,814.

STREET PAVING — Oil macadam. Cost not stated. Concord, Contra Costa Co., Cal. Engineer, City Engineer, Concord. Owners, City of Concord. Contractors, Municipal Improvement Co., Concord. Contract includes 22 blocks, but no contract price is stated.

STREET PAVING, ETC.—Cost not stated. Healdsburg, Sonoma Co., Cal. Engineer, City Engineer, Healdsburg. Owners, City of Healdsburg. Contractors, City Street Improvement Co., S. F. Contract price, 18¢ per square foot for pavement, including grading; 65¢ per square foot for curbing; 17¢ per square foot for gutters, and \$3 per lined foot for cast iron pipe culverts.

BUILDING CONTRACTS

MARIN COUNTY.

MARTIN TRACT, San Rafael. Carpenter, chimney, plumbing, plastering,

Filed Apr. 14, '15. Dated Apr. 14, '15.
Frame up\$769.50
1st coat plaster on..... 800.00
When completed 800.00
Usual 35 days..... 800.00
TOTAL COST, \$3169.50
Bond, none. Limit, 90 days. Forfeit, \$2 per day. Plans and specifications filed.

FRAME COTTAGE
LOTS 71 AND 72 Vendome Add'n, San etc., for one-story residence.
Owner.....Frank W. Joesten, San Rafael.
Architect ...Thos. O'Connor, San Rafael
Contractor..J. E. Warner, Fairfax, Cal.
Filed Apr. 29, '15. Dated Apr. 27, '15.
Frame up\$375
When plastered 375
When completed 375
Usual 35 days..... 375
TOTAL COST, \$1500
Bond, \$375. Sureties, Geo. Gordon and R. J. Browne. Limit, 75 working days. Forfeit, none. Plans and specifications filed.

BUILDING CONTRACTS
CONTRA COSTA COUNTY.

FRAME DWELLING
LOT 3 BLK "G," Homestead Tract, Martinez. Foundation work, cement, brick, plumbing, plastering, painting, electric wiring, carpentry and hardware for one and one-half-story frame dwelling.
Owner.....J. Rio Baker and Alice E. Baker, Mellus near Las Juntas, Martinez.
Architect ...James I. Narbett, Berry Bldg., Richmond.
Contractor..C. Randolph Hook, Walnut Creek, Cal.
Filed May 1, '15. Dated Apr. 30, '15.
Frame up\$805.75
Exterior plastering completed and interior brown coated.... 805.75
Building accepted 805.75
Usual 35 days..... 805.75
TOTAL COST, \$3223.00
Bond, \$1700. Sureties, James S. Hook and Louise Hook. Limit, 80 working days. Forfeit, none. Plans and specifications filed.

ADDITION
FAIRMONT SCHOOL SITE Cor. Kearny and Eureka streets, Rust, Richmond School District. Excavating, concrete, stone, brick, roofing, electric, plumbing, painting, blackboards, lathing, plastering, metal work and dampproofing for four-room addition to Fairmont school.
Owner.....Richmond School District, Richmond.
Architect ...None.
Contractor..W. H. Ecker, 1306 Bissell Ave., Richmond.
Filed Apr. 30, '15. Dated Apr. 29, '15.
On or about 4th Saturday of each month 75%
Usual 35 days..... 25%
TOTAL COST, \$8425.25
Bond, \$4212.70. Surety, Southwestern Surety Insurance Co. Limit, 90 days. Forfeit, none. Plans and specifications filed.

COMPLETION NOTICES

MARIN COUNTY.

RECORDED ACCEPTED
May 3, 1915—BELVEDERE. F F Chamberlain to T E Mohler.... April 24, 1915
RECORDED ACCEPTED
Apr. 30, 1915—SAN RAFAEL. Arnold F Willat to whom it may concernApril 24, 1915

LIENS FILED

MARIN COUNTY.

RECORDED AMOUNT
Apr. 29, 1915..MILL VALLEY. Contractors & Bldg Supply Co vs W W Seeley\$283.75
May 5, 1915—LAGUNITAS. E D Swift (Swift & Co) vs Lagunitas Development Co, W F White and M B White\$350.10

COMPLETION NOTICES

CONTRA COSTA COUNTY.

RECORDED ACCEPTED
Apr. 28, 1915—WHARF AT AVON. Associated Oil Co to Healy Tibbitts Constr Co.....Mar. 10, 1915
May 3, 1915—3.05 ACRES in Rancho Las Juntas in Martinez. Shell Co. of California to Healy Tibbitts Constr Co.....April 29, 1915

LIENS FILED

CONTRA COSTA COUNTY.

RECORDED AMOUNT
Apr. 17, 1915—ALL LOT 6 BLK 11 of Town of Richmond. A M Coleman vs E A Dopkin.....\$88.10

RELEASE OF LIENS

CONTRA COSTA COUNTY.

RECORDED AMOUNT
Apr. 29, 1915—LOT NO. 1 BLK 55 as in Amended Map, City of Richmond L N Cobbledick Glass Co, \$376.90; Bruce Lumber & Mill Co, \$749.92 to M J and J W Kelly and G A Wilkinson
Apr. 29, 1915—LOT NO. 1 BLK 55 as in Amended Map of Richmond, R L Fernald, \$82; Zeh Knott, \$58; H L Penny, \$544.40; C H Bates, \$135 C H Brown, \$273 to M J Kelly and J W Kelly.....
May 1, 1915—LOTS 1, 2, 3 and 12 in Blk 31, Town of Antioch. Hutchinson Co to S H McKellips.....\$585.41
May 3, 1915—LOT NO. 11 BLK "C" in Plat Addition to Town of Black Diamond (now Pittsburg). Maria and Pasquale Scotta to Lorenzo Guercio and Carlo Chiappa....\$130.60

FRESNO, MODESTO STANISLAUS AND CENTRAL CALIFORNIA

RESIDENCE — 2 story and base, frame, \$10,000. Merced, Merced Co., Cal. Architect, Ralph P. Morrell, Odd Fellow's Bldg., Stockton. Owner, Mrs. Lydia Grims, Merced. The dwelling has been designed for a large ten-room house with several baths, sleeping porch and conservatory. A separate garage will be erected in the rear of the property. Interior of the house will be finished in pine and hardwood,

red gum and white enamel. Hardwood floors will be used in the living room, dining room, library and reception hall. There will be furnace heat and open fire places. Mantels will be of tile or brick. A hot water circulating system will be installed. Bath rooms will be finished in tile. Exterior of the house and garage will be covered with cement plaster on metal lath. Plans are now being prepared. Further mention will be made of the work when figures are called for.

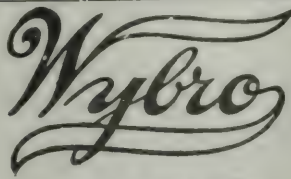
CONCRETE FLUME—Cost not stated. Modesto, Stanislaus Co., Cal. Engineer Herrmann, Monadnock Bldg., S. F. Owners, Modesto Irrigation District. At the last meeting of the Board of Directors of the Modesto Irrigation District Engineer Herrmann was directed to prepare plans and specifications for concrete work on the Dry Creek flume.

SCHOOL—1 story and base, frame, \$8,000. Bakersfield, Kern Co., Cal. Architect, Thomas B. Wiseman, Producers' National Bank Bldg., Bakersfield. Owners, Panama School District. The building has been designed for a rural school and will contain three class rooms, teachers' rooms and library. Interior finish will be of pine and redwood. Some maple floors will be used. Exterior of the building will be covered with rustic and cement plaster. Plans are now being prepared.

BRIDGE—Reinforced concrete. Cost not stated. Hanford, Kings Co., Cal. Engineer, County Engineer B. Duffield, Hanford. Owners, Kings County. The Board of Supervisors has approved plans and specifications prepared by Trewhitt & Shields, Rowell Bldg., Fresno, for the new Gross Creek bridge, and also retained the plans prepared by County Surveyor B. Duffield. Bids on this work are now being taken.

RESIDENCE — 2 story and base, frame, \$3,000. Fresno, Fresno Co., Cal. Architect, none. Owner, F. B. Billings, Fresno. The dwelling will be erected in the Alta Vista Tract, and has been designed for a seven-room house with bath and sleeping porch. Interior finish will be of pine and hardwood veneer with white enamel in the bed rooms. Hardwood floors will be used in the principal rooms. There will be an open fire place and tile or brick mantel. Bath room will have tile wainscot. An automatic water heater will be installed. Exterior of the dwelling will be covered with rustic and cement plaster on metal lath. Plans are complete and the work will be done by Day Labor.

RESIDENCE — 1 story and base, frame. Cost not stated. Fresno, Fresno Co., Cal. Architects, Bowen & Davis, McKenzie Bldg., Fresno. Owner, Helen G. Kleiser. The dwelling will be erected in McKinley Heights, and has been designed for a six-room house with bath and sleeping porch. Interior finish will be of pine and elm panels. Some hardwood floors will be used. There will be an open fire place in the living room. Mantel will be of tile. Tile wainscot will be used in the bath room. An automatic water heater will be installed. Exterior of the dwelling will be covered with rustic and cement plaster on metal lath. Plans are complete and the work will be done by Day Labor.



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RESIDENCE—1 story and base, frame. Cost not stated. Turlock, Stanislaus Co., Cal. Architect, Henry Shermund, Mills Bldg., S. F. Owner, Howard Whipple, Turlock. The dwelling has been designed in the English Colonial style, and will cover an irregular ground area of 40 by 85 feet. The house will set 50 feet back from the street and the grounds will be handsomely laid out in formal gardens and tennis courts. Interior of the dwelling has been arranged for seven rooms, two baths and sleeping porches. Interior finish will be of pine, red gum and white enamel. Hardwood floors will be used in the principal rooms. There will be furnace heat, open fire places and a hot water circulating system. Bath rooms will be finished in tile. Mantels will be of tile and brick. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are complete and figures are being taken.

HIGHWAY CONSTRUCTION—\$6,500. Bakersfield, Kern Co., Cal. Engineer, County Surveyor, Bakersfield. Owners, Kern County. Three bids were received by the Supervisors for the Bakersfield-Glennville road. This is a section five and one-half miles in length. The bids were as follows: F. H. Jamieson, \$6,252.15; Castro & Blaisdell, \$6,459; Wm. J. Cahill, \$9,212. The contract includes grading, bridges and culverts. All bids have been referred to the County Highway Commission.

Contracts Awarded.

IRRIGATION FILL—\$19,493.75. Modesto, Stanislaus Co., Cal. Engineer,

Herrmann, Monadnock Bldg., S. F. Owners, Modesto Irrigation District. Contractors, Peart Bros., Oakdale. Contract price, \$19,493.75.

BUILDING CONTRACTS

FRESNO COUNTY.

DWELLING

LOT 32 BLK 21 Alta Vista Add'n, Fresno. Dwelling.

Owner.....F. B. Billing, 1245 San Pablo, Fresno, by W. H. Ackerman, Agent.

Architect...None.

Day's work. COST, \$2950

DWELLING

NO. 345 EFFIE ST., Fresno. Dwelling and out buildings.

Owner.....Mrs. Noble, Premises.

Architect...None.

Contractor...Dan Blosser, 217 Abby St., Fresno.

COST, \$2300

DWELLING AND GARAGE

LOTS 15 AND 16 BLK 2, Fresno Park, Fresno. Dwelling and garage.

Owner.....C. A. Kite, 2631 Merced St., Fresno.

Architect...None.

Contractor...Varnell, Garges & Holland

COST, \$1850

DWELLING

LOT 14 BLK 2 Duncan Add'n, Fresno. Dwelling.

Owner.....Mrs. Fred Conrad.

Architect...None.

Contractor...Varnell, Garges & Holland. COST, \$1450

LOTS 1 TO 4, McKinley Heights, Fresno. All work for dwelling.

Owner.....Helen G. Kleiser.

Architect...None.

Supt.....W. F. Bowen, Rowell Bldg., Fresno and H. G. Davis.

Day's work.

Filed May 3, '15. Dated —.

Owner to pay all bills for labor each week

2nd parties to receive for their services\$500

TOTAL COST, \$—

Bond, limit, forfeit, none. Plans and specifications, none.

DWELLING

LOTS 6 AND 7 BLK 3, Buena Vista Tract, Fresno. Dwelling.

Owner.....Paul Borgar.

Architect...None.

Contractor...J. R. Hart, 910 R, Fresno. COST, \$1150

COMPLETION NOTICES

FRESNO COUNTY.

RECORDED ACCEPTED

May 5, 1915—W ¼ OF SEC 4 20-16, Fresno. Cal. Oilfields, Ltd. of Lacy

Mfg Co.....May 3, 1915

LIENS FILED

FRESNO COUNTY.

RECORDED AMOUNT

Apr. 28, 1915—N ½ OF SE ¼ OF SE ¼ of Sec 25-16-19, Fresno. J H

Jarnagin vs C J Magnuson.....\$41

Williamson's Continuous Clothes Line Outfit

Clothes Line Problem Solved At Last

DOUBLE your line space, use all the line. No empty top line, keeps the clothes free from the soiled line, making it Sanitary. Take clothes off any part of line without removing the wet clothes.

CONSTRUCTION: The pulleys are made of cast iron galvanized; so constructed as to allow the patent clothes pine to pass through carrying the clothes around the pulleys, thereby using both lines.

By using three pulleys, the lines are spread apart as shown in the picture and allows you to put clothes on or take them off the line without hanging out of the window side-ways. The clothes pin is made of heavy galvanized wire formed in such a manner as to allow it to be fastened to the clothes line very easily; nothing complicated to get out of order. Holds the clothes free from the line so the lines need not be covered with cloth-strips in order to keep the clothes from being soiled from the line. The strongest wind cannot blow the clothes out of the pins as they are held in a spring slot. When the wind blows it pulls the clothes deeper into the slot holding them tighter.

NO SPRINGS TO PRESS OR SQUEEZE to get the clothes in or out. Just slip clothes in slot and pull down. WILL hold the daintiest fabrics or the heaviest blanket. 1340 Mission St. Phone Mkt. 4008.

THIS OUTFIT CONSISTS OF 3 DOZEN Sanitary, Stronghold, Clothes Pins, 3 Continuous Clothes Line Pulleys and 1 Pair Line Splacers. Price, \$1.40 per Set.

April 30, 1915—PT. LOT 32, Block B, Bloomington Park Tract, Fresno. Hill Lumber Co., Inc., vs. H. A. Allen and C. J. Craycroft.....\$261

SACRAMENTO, STOCKTON AND NORTHERN CALIFORNIA

BRIDGES—2, reinforced concrete, \$6,000 and \$7,000. Auburn, Placer Co., Cal. Engineer, County Surveyor, Auburn. Owners, Placer County. The County Supervisors have issued a call for bids for the construction of two concrete bridges over Coon Creek on the line of the State Highway. The approximate cost is estimated at \$6,000 and \$7,000.

HIGHWAY GRADING—Cost not stated. Stockton, San Joaquin Co., Cal. Engineer, County Surveyor, Stockton. Owners, San Joaquin County. The San Joaquin Supervisors are now taking bids for the grading of a road across five miles of Victoria Island. Bids on this work will be opened on June 8th.

RESIDENCE—1 story and base, frame, \$4,000. Lodi, San Joaquin Co., Cal. Architect, Ralph P. Morrell, Odd Fellows Bldg., Stockton. Owner, D. Smith, Lodi. The dwelling has been designed for a seven-room house with two baths and sleeping porch. Interior finish will be of pine and hardwood, with some white enamel in the bed rooms. There will be furnace heat and open fire places. An automatic water heater will be installed. Mantels will be of tile or brick. Tile wainscot will be used in the bath room. Wall beds are also specified. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are now being prepared.

BRIDGE—Reinforced concrete, \$15,000. Auburn, Placer Co., Cal. Engineer, County Surveyor, Auburn. Owners, Placer County. Bids were opened at the last meeting of the Board of Supervisors for the construction of a bridge over the Bear River on the line of the State Highway. Ten bids in all were submitted, the lowest being that of Jenkins & Wells of Auburn at \$13,800, and the second low that of the Construction and Engineering Co., S. F., at \$15,700. A contract will be awarded at the next meeting of the Board of Supervisors.

BRIDGE—Steel and reinforced concrete, \$120,000. Old and Middle Rivers, San Joaquin Co., Cal. Engineer, County Surveyor, Stockton. Owners, San Joaquin and Solano Counties. Plans have been completed and have received the approval of the joint county boards and are now out for figures. Bids for the work will be opened on June 8th. Plans and specifications can be secured from the County Clerks. Further details will be given in the next issue.

STATE HIGHWAY WORK AND BRIDGE—Cost not stated. California. Engineer, State Highway Commission, Forum Bldg., Sacramento. Owners, State of California. Bids will be opened on May 24th by the State Highway Commission for the following work: Tehama County, 12.7 miles, graded; Tehama County, 6.5 miles, Portland cement; Kings County, 8.9 miles, Portland cement concrete; Los Angeles County, 4.2 miles, Portland cement concrete; and Yolo County, plate girder bascule, 880-foot clear span, with reinforced concrete approaches. Total

length 140 feet. Plans can be secured from the Commission.

HIGHWAY CONSTRUCTION—Cost not stated. California. Engineer, State Highway Commission, Forum Bldg., Sacramento. Owners, State of California. Bids will be opened on June 1st by the State Highway Commission for the following highway construction: Humboldt County, 6.9 miles; Colusa County, 10.6 miles; Monterey County, 4.7 miles, and Tulare County, 3.9 miles. All work will be of Portland cement concrete. An official proposal appears in another column of this issue.

FIRE HOUSES—2, 1½ story and base, frame. Cost not stated. Stockton, San Joaquin Co., Cal. Architects, Morrell & Thomas, Odd Fellows' Bldg., Stockton. Owners, City of Stockton. The City Council has decided upon the type of temporary fire houses to be erected on the outskirts of the city. This type will be known as the "Bungalow," and has been designed to contain one or two pieces of apparatus and quarters for the crew. Cement floor will be used. Exterior of the buildings will be covered with rustic and shiplap. Plans have been prepared and figures will be called for shortly.

SCHOOL—1 story and base, frame and reinforced concrete or hollow tile construction, \$30,000. Fair Oaks, Sacramento Co., Cal. Architect, George C. Sellon, 1005 K street, Sacramento. Owners, San Juan Union High School District. The building has been designed in the Mission style and will contain eight class rooms, assembly hall and library, principal's office and teachers' room. Interior finish will be of pine throughout. Maple floors will be used in the class rooms. Plans provide for a central heating system, probably steam heat with an oil burning equipment. Modern school plumbing is specified. Exterior of the building will be covered with cement plaster on metal lath. Plans are complete and figures are now being taken. Bids will close in about two weeks. Plans and specifications can be secured from the architect.

RESIDENCE—1 story and base, frame, \$2,000. Sacramento, Cal. Architect, none. Owner, E. G. Tauner, 2513 26th street, Sacramento. The dwelling has been designed to contain five rooms and bath and will be erected on the Gerber Bros.' Tract. Interior will be finished in pine and redwood. Some oak floors will be used. There will be an open fire place in the living room. Mantel will be of tile or brick. Exterior of the house will be covered with rustic or cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor.

SCHOOL—Cost not stated. Chico, Butte Co., Cal. Architect, State Architect George B. McDougall, Sacramento. Owners, State of California. New figures have been called for the construction of the model rural school which will be erected at the Chico State Normal School. The building will contain but one room. Exterior will be covered with rustic or cement plaster on metal lath. Plans are now out for figures and bids will be opened on May 18th. Plans and specifications can be secured from the State Depart-

ment of Engineering at Sacramento.

STORES AND OFFICES—4 story and base. Class A construction, \$50,000. Sacramento, Cal. Architect, E. C. Jennings, 1005 K street, Sacramento. Owner, Daniel W. Carmichael. The building will be erected at the southeast corner of 8th and J streets, having a frontage on 8th street of 40 feet and on J street of 90 feet. There will be three stores on the ground floor and a total of thirty-two modern offices on the three upper floors. Plans provide for a complete steel frame with brick walls, faced with enamel brick, trimmed with terra cotta and cut stone. There will be steam heat, elevator service, modern plumbing, a hot water supply and special fireproof vaults. Metal window sash and frames are specified. Interior of the first floor will be finished in hardwood, with ornamental plaster. Upper floors will be finished in pine and hardwood. Marble wainscot and bases are specified. Hollow tile interior partitions will be used. Plans provide for sidewalk doors, lifts and lights.

BRIDGE—Reinforced concrete. Cost not stated. Ukiah, Mendocino Co., Cal. Engineer, County Surveyor, Ukiah. Owners, Mendocino County. Plans and specifications presented by the County Surveyor to the Supervisors for the construction of a concrete bridge over Robinson Creek have been adopted and bids will soon be called.

Contracts Awarded.

SCHOOL—2 story and base, frame, \$9,995. Gridley, Butte Co., Cal. Architect, none. Owners, City of Gridley. Contractors, Barton & Hite, Sacramento. Contract price, \$9,995.

STORES AND OFFICES—4 story and base. Class A construction, \$50,000. Sacramento, Cal. Architect, Hemmings, 1005 K street, Sacramento. Owner, David Carmichael. Contractor, J. Harry Wygant, Sacramento. Contract price, \$50,000.

BUILDING CONTRACTS

SACRAMENTO COUNTY.

EXCAVATION, ETC.

E ½ LOT 3, W, X, 22nd and 23rd Sts., Sacramento. Excavating and concrete work, etc., for building. Owner.....R. M. Smith.

Architect...None.

Contractor...Herbert E. White.

Filed May 4, '15. Dated Apr. 28, '15.

COST, \$4736

REPAIR RESIDENCE

NO. 1017 I ST., on W ½ of Lot 6, H, I, 10th and 11th Sts., Sacramento. Repair residence.

Owner.....Mrs. F. J. Bidwell, 1019 I St., Sacramento.

Architect...None.

Contractor...F. J. Bidwell, 1019 I St., Sacramento.

COST, \$3506

FRAME RESIDENCE FLATS

NO. 1825 O ST., on W ½ of S ½ Lot 5, N. O. 18th and 19th, Sacramento. Two-story frame residence flats.

Owner.....Mrs. A. Ketchan, 1416 19th St., Sacramento.

Architect...None.

Contractor...R. M. Smith, 2017 18th St., Sacramento.

COST, \$3400

RESIDENCE

NO. 1012 McCULLOUGH AVE., on Lot 1244 Wright & Kimbrough Tract 25, Sacramento. Five-room residence. Owner.....H. M. Burns, 316, 218 24th St., Sacramento.

Architect...None.
Contractor...C. J. Hopkinson, 1318 25th St., Sacramento.
COST, \$2100

RESIDENCE

N 80 FEET LOT 15 Trech Tract, Sacramento. Five-room residence. Owner.....W. P. Mankie, 35th bet Cypress and Park Ave., Sacramento.
Architect...None.
Contractor...W. I. Davis, 3112 Walnut St., Sacramento.
COST, \$1800

RESIDENCE

ON THIRTY FOURTH, bet. W and N, N 15 feet Lots 12 and 13, Gerber Bros Tract, Sacramento. One-story five-room residence. Owner.....E. G. Tauner, 2513 25th, Sacramento.
Architect...None.
Day's work.
COST, \$1500

REMODEL STORE

NO. 1016 FOURTH ST., on N 60 feet Lot 5, J, K, 3rd and 4th Sts., Sacramento. Remodel store. Owner.....Commercial Investment Company.
Architect...None.
Contractor...Siller Bros., 1614 13th St., Sacramento.
COST, \$1500

REMODEL

S 10 FEET LOT 1, K, L, 6th and 7th Sts., Sacramento. Remodel door front. Owner...Chas. P. Nathan Co., 1011 6th St., Sacramento.
Architect...None.
Contractor...Siller Bros., 1614 13th St., Sacramento.
COST, \$600

FINISH BASEMENT

NO. 2202 TENTH on N ¼ of Lot 4, V, W, th and 10th, Sacramento. Finish basement in residence. Owner.....Trainor & Desmond, 813 J St., Sacramento.
Architect...None.
Contractor...R. M. Smith, 2617 18th St., Sacramento.
COST, \$100

REMODEL RESIDENCE

NO. 2014 SIXTH, on Lot 4, T, U, 5th and 6th Sts., Sacramento. Move and remodel residence. Owner.....Mrs. M. Kerby, 628 T St., Sacramento.
Architect...None.
Contractor...Chas Valine, 2417 15th St., Sacramento.
COST, \$950

REMODEL RESIDENCE

N ¼ LOT 4, N, Y, 9th and 10th Sts., Sacramento. Remodel residence. Owner.....E. Geisreiter, 2400 10th St., Sacramento.
Architect...None.
Contractor...John M. E. Morrell, 1009 Yale St., Sacramento.
COST, \$600

NO. 2108 ORANGE AVE. on Lots 2 and 3, Elk St. South Sacramento. Re-

pair fire damage in tenement house.

Owner.....M. L. Pinley.
Architect...None.
Contractor...J. L. Morten, 821 21st St., Sacramento.
COST, \$300

BUNGALOW

LOT 542 of Wright & Kimbrough Sub-division No. 19, Sacramento. Plumbing for four-room bungalow with sleeping porch and basement. Owner.....H. H. Robinson, 1209 20th St., Sacramento.
Architect...None.
Contractor...Waterman Plumbing Co., 902 Elm St., Sacramento.
Filed Apr. 28, '15. Dated Apr. 16, '15.
COST, \$222

RESIDENCE

LOT 35 FIRST AVE. Fair Oaks, Sacramento. Two-story 8-room residence. Owner.....J. O. and Eliz M. Marshall, 1006 H St., Sacramento.
Architect...None.
Contractor...W. T. Feagan, 2202 3rd Ave., Sacramento.
Filed May 5, '15. Dated May 5, '15.
COST, \$4030

S ¼ of LOT 1, O-P, 22-23, Sacramento. All work of carpentry etc. on building. Owner.....Mrs. Anne M. Jensen, 2204 O, Sacramento.
Architect...None.
Contractor...G. Harvie, 2212 T, Sacramento.
Filed, April 30, '15. Dated, April 30, '15.
COST, \$494.60

BUILDING CONTRACTS.

SAN JOAQUIN COUNTY.

FINISHING BASEMENT

AT HIGH SCHOOL GROUNDS, bded by North, California, Vine and San Joaquin, Stockton. All work for finishing rough basement room. Owner.....Stockton High School Board of Education.
Architect...Stone & Wright, 24 S- California St., Stockton.
Contractor...Chirhardt & Nystedt, Stockton.
Filed May 4, '15. Dated Apr. 30, '15.
On 1st of every month..... 75%
Usual 35 days..... 25%
TOTAL COST, \$2313
Bond, \$1200. Surety, Pacific Coast Casualty Co. Limit, 60 days. Forfeit, \$5 per day. Plans and specifications filed.

ADDITION

FRENCH CAMP. All work for two-room addition to two-room school. Owner.....French Camp School District, French Camp.
Architect...Ralph P. Morrell, 12-15 I. O. O. F. Bldg., Stockton.
Contractor...Pierce J. Morrell.
Filed May 6, '15. Dated May 6, '15.
Rough frame up.....\$1000.00
Plastering completed..... 900.00
Interior finish completed.... 621.50
Building accepted..... 840.50
TOTAL COST, \$3362.00
Bond, \$1681. Sureties, J. H. Miller and W. H. Post. Limit, 60 days. Forfeit, none. Plans and specifications filed.

COMPLETION NOTICES

SACRAMENTO COUNTY.

RECORDED ACCEPTED
May 4, 1915—N 10 FEET OF E ½ of Lot 7 and N 40 feet of W 35 feet of W ½ Lot 6, K, L, 14th and 15th Sts Sacramento. Minnie E Dean to whom it may concern....May 3, 1915
NOTICE OF NON-LIABILITY.

SACRAMENTO COUNTY.

May 3, 1915—N 40 FEET OF E ½ of Lot 7 and N 40 feet of W 35 feet of W ½ of Lot K, L, 14th & 15th Sts., Sacramento. Minnie E Dean as to improvements on leased property

LIENS FILED.

SACRAMENTO COUNTY.

RECORDED AMOUNT
May 1, 1915—N ¼ OF SW ¼ of Sec 12, T 10, R 4, Sacramento. Oak Park Lumber & Milling Co vs H F Carstens\$495.23
Apr. 29, 1915—NW ¼ OF SEC. 34, T 5 R 6, Sacramento. F G Fawcett to Whitaker Estate Co.....\$172
Apr. 28, 1915—LOT 41 Gower & Wiles Sbdvn 4, Sacramento. Shaw Lumber Co vs E B Latham.....\$568.61

LOS ANGELES AND SOUTHERN CALIFORNIA

HOSPITAL GROUP—1 and 2 story, and base, frame and reinforced concrete, \$110,000. Norwalk, Los Angeles Co., Cal. Architect, State Architect George B. McDougall, Sacramento. Owners, State of California. Nineteen bids were received on May 4th for the complete construction of a group of buildings for the Norwalk State Hospital. The work includes a workers' cottage for males, a kitchen building and a power house. John Mulder of Los Angeles submitted the lowest bid at \$107,319. While no contract has been awarded, it is understood that the low man will be awarded the work in the course of the next few days. A complete list of the figures opened will be found under the heading of Los Angeles and Southern California in this issue.

HOSPITAL WARD BUILDING — 2 story and base, reinforced concrete. Cost not stated. Los Angeles, Cal. Architect, George Low, Supervising Architect, L. A. Owners, Los Angeles County. The building will be erected on the grounds of the County Hospital and will cover an area of 146 by 51 feet. Construction will be fireproof. The building has been designed to contain eight wards. Interior will be finished in pine and hardwood with some tile and white enamel. Hardwood floors will be used. There will be steam heat and modern hospital plumbing. Exterior of the building will be faced with cement plaster. Plans are complete and figures are being taken. Bids will be opened on May 24th. Plans can be secured from the architect.

HOSPITAL — 2 and 3 story and base, brick, \$25,000. San Pedro, Los Angeles, Co., Cal. Architect, C. E. Durr, San Pedro. Owner, P. H. Berg, leased to the Sisters of Mercy. The building will

cover a ground area of 40 by 80 feet, and has been designed to contain a number of private rooms besides two wards. Interior will be finished in pine and tile. Hardwood floors will be used. There will be special operating rooms. Plans provide for steam heat, vacuum cleaning and modern hospital plumbing. Exterior of the building will be faced with pressed brick. Plans are now being prepared. The owner has not decided whether to let a general contract or to do the work by Day Labor.

HOSPITAL—2 story and base, hollow tile construction, \$30,000. South Pasadena, Los Angeles Co., Cal. Architect's name not given. Owner, Dr. T. W. Bishop. The building will be designed for a private sanitarium and will be fireproof. No details of the construction have been made public. Further mention of the work will be made when the architect's name is learned.

OBSERVATION HOSPITAL—1 story and base, frame. Cost not stated. Los Angeles, Cal. Architect, George Low, Supervising Architect, L. A. Owners, Los Angeles County. The building will be erected on the grounds of the present County Hospital and will be designed for a childrens' observation hospital. The building will contain sixteen rooms and two baths. Interior will be finished in pine and white enamel. There will be steam heat from a central plant. Exterior of the building will be covered with cement plaster on metal lath. Plans are complete and figures are being taken. Bids will be opened on May 24th. Plans and specifications can be secured from the architect.

RESIDENCE — 2 story and base, frame. Cost not stated. Los Angeles, Cal. Architect, E. C. Taylor, Haas Bldg., L. A. Owner's name withheld. The dwelling has been designed for a twelve-room house with baths and sleeping porches. A separate garage will be erected on the property. Interior will be finished in pine, hardwood and white enamel. Hardwood floors will be used in the principal rooms. There will be a hot water circulating system, vacuum cleaning and open fire places. Mantels will be of tile and brick. Bath rooms will be finished in tile and equipped with high class plumbing fixtures. Exterior of both the dwelling and garage will be covered with cement plaster on metal lath. Plans are complete and work will be started under the Day Labor system on or before June 1st.

CHURCH AND PARISH HOUSE—2 story and base, frame. Cost not stated. Highland Park, Los Angeles Co., Cal. Architect, Thomas F. Power, Higgins Bldg., L. A. Owners, St. Ignatius Parish, Father Thomas O'Reagan, pastor. The church and parish house have been designed in the Mission style. The church will have a seating capacity of 400 people. Interior finish will be of pine and ornamental plaster. Hardwood floors will be used in the parish house. Both buildings will be heated by furnace heat. Exteriors will be covered with cement plaster on metal lath. Plans are now being prepared.

SCHOOL—1 story and base, brick, \$30,000. El Centro, Imperial Co., Cal. Architect, Fred T. Harris, Holt Bldg., El Centro. Owners, El Centro High School District. The building has been

designed in the Mission style, and will cover a considerable ground area. There will be eight class rooms, an auditorium seating 500 people, library and principal's office. Interior finish will be of pine with maple floors in the class rooms and auditorium. Modern school plumbing and heating are specified. A vacuum cleaning system and program clocks will be installed. Exterior of the building will be faced with cement plaster. Plans are being prepared.

SCHOOL—1 story and base, hollow tile construction. Cost not stated. Los Angeles, Cal. Architects, Allison & Allison, Hibernian Bldg., L. A. Owners, City of Los Angeles. The building has been designed for a four-room school and will be erected in the Galatin School District. Interior finish will be of pine throughout. Maple floors will be used in the class rooms. There will be a central heating system, modern school plumbing and vacuum cleaning. Exterior of the building will be faced with cement plaster. Plans are complete and bids will be opened on May 17th. Plans and specifications can be secured from the architects.

SCHOOL—2 story and base, brick, \$45,000. Los Angeles, Cal. Architects, A. W. Reed and C. E. Garstang, Black Bldg., L. A. Owners, City of Los Angeles. The building will be erected on Budlong avenue near 59th street, covering an area of 152 by 70 feet. There will be ten class rooms and an auditorium. Stairways will be of reinforced concrete. Maple floors will be used in the class rooms and auditorium. Interior will be finished in pine. There will be steam heat, vacuum cleaning and program clocks. Exterior of the building will be faced with pressed brick. Plans are complete and figures are now being taken. Bids will be opened on May 20th. Plans and specifications can be secured from the Superintendent of Schools, Security Bldg.

SCHOOL—2 story and base. Class C construction, \$30,000. Los Angeles, Cal. Architect, H. W. Glidden, Wright and Callender Bldg., L. A. Owners, City of Los Angeles. The building will be erected on Amelia street near Jackson and has been designed to contain nine class rooms, auditorium and principal's office. Interior will be finished in pine with maple floors in the class rooms. There will be a central heating system, vacuum cleaning, program clocks and modern school plumbing. Exterior of the building will be faced with cement plaster. Plans are now being prepared.

STREET LIGHTING SYSTEM—\$16,004.85. Riverside, Riverside Co., Cal. Engineer, Elmer Cutting, Riverside. Owners, City of Riverside. According to figures submitted to the City Council by Superintendent Elmer Cutting of the electric light department of the Board of Public Utilities, the cost of the proposed East Side ornamental street lighting system will be \$16,004.85. The City Attorney has been instructed to prepare resolutions providing for the installation of the new system. A call for bids will be issued in about three weeks.

BANK AND OFFICES—1 and 5 story and base. Class A construction. Cost not stated. Los Angeles, Cal. Architects, Parkinson & Bergstrom, Security Bldg., L. A. Owners, Security National Bank. The building will be erected on

Spring street adjoining the bank's present building. The one-story portion will be occupied by the bank and will be finished in hardwoods, ornamental plaster and bronze. Tile floor will be used. The five-story portion will be arranged for offices and will be finished in pine and hardwood. There will be elevator service, hot water supply and vacuum cleaning. Patent store fronts are specified. Marble and tile wainscot and bases are specified. Metal window sash and frames will be installed. Exterior of the building will be faced with pressed brick and terra cotta. Plans will shortly be out for figures and contracts will be let although the work will not be started before November.

Contracts Awarded.

HOSPITAL BUILDING — 1 and 2 story, reinforced concrete and frame, \$114,872. Norwalk, Los Angeles Co., Cal. Architect, State Architect George B. McDougall, Sacramento. Owners, State of California. Contractors, L. G. Bergren & Son, Hearst Bldg., S. F. Contract price, \$114,872.

SUPERINTENDENT'S RESIDENCE — 2 story and base, frame, \$8,749. Patton, San Bernardino Co., Cal. Architect, State Architect George B. McDougall, Sacramento. Owners, State of California. Contractors, L. G. Bergren & Son, Hearst Bldg., S. F. Contract price, \$8,749.

SCHOOL—1 story and base, brick and concrete, \$23,600. Los Angeles, Cal. Architect, A. T. Large, Currier Bldg., L. A. Owners, City and County of Los Angeles. Contractor, Charles S. McCully, 2751 Francis avenue, L. A. Contract price, \$23,600.

SCHOOL—2 story and base. Class C construction, \$39,138. Los Angeles, Cal. Architects, Hudson & Munsell, Stimson Bldg., L. A. Owners, City of Los Angeles. Contractor, C. S. Blodgett, 829 Crocker street, L. A. Contract price, \$39,138.

SCHOOL—2 story and base. Class A construction, \$31,540. Los Angeles, Cal. Architect, A. C. Martin, Higgins Bldg., L. A. Owners, City of Los Angeles. Contractors, Alta Planing Mill, 830 McGarry street, L. A. Contract price, \$31,540.

SCHOOL—1 and 2 story and base, reinforced concrete. Costs as follows. San Fernando, Los Angeles Co., Cal. Architect, John C. Austin, Baker-Detwiler Bldg., L. A. Owners, San Fernando Union High School District. Contractor, John Mulder, 143 Rose street, L. A., auditorium and mechanical arts buildings, \$35,394 and \$12,357. George C. Condon, Wesley-Roberts Bldg., San Fernando, science building, \$42,800.

Bids Opened For Norwalk Hospital.

Nineteen Sets of Figures Received For
Work in Southern California. San
Francisco Firms Do Not Bid

(By Special Wire.)

SACRAMENTO, CAL., May 4th, 1915. —Nineteen bids were opened today for the complete construction of a group of buildings at the Norwalk State Hospital near Norwalk, Los Angeles County. The work included a Workers Cottage for Males, Kitchen Building and Power House. John Mulder, Los

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Angeles, submitted the lowest figure at \$107,319. While no contract has been awarded it is understood that the low man will be awarded the work in the course of a few days. Following is a complete list of the bids as opened.

Norwalk State Hospital Work.

John Mulder, Los Angeles.	\$107,319.00
Tresner Mfg. Co.	111,700.00
J. F. Atkinson, L. A.	112,281.00
L. G. Bergeron & Son	114,887.00
Los Angeles Planing Mill Co	116,642.00
F. O. Engstrom Co., L. A.	117,500.00
Davison Con. Co., Monrovia	118,700.00
John Simpson & Co.	119,420.00
W. Kier Constr. Co.	119,650.00
Nance & Son	120,798.00
Alta Planing Mill Co., L. A.	121,338.00
Merchants Realty & Inv. Co.	125,450.00
Robt. Jordan, Los Angeles	129,140.00
J. H. Jacobs Co., L. A.	129,805.00
Wingate Constr. Co.	129,990.00
C. McNeal	131,700.00
C. Jordan	131,495.50
W. Cole	133,900.00
Jas. P. Davidson	141,250.00
John Hayes & J. H. Judy	159,916.00

PORTLAND AND OREGON

RESIDENCE—2 story and base, frame, \$15,000. Portland, Ore. Architects Doyle & Patterson, Worcester Bldg., Portland. Owner, President Foster of Reed College. The dwelling will be erected on the Campus of Reed College, and has been designed to contain ten rooms and three baths. Interior will be finished in pine and hardwood with white enamel in the bed rooms. Hardwood floors will be used in the living room, dining room, library and reception hall. Bath rooms will be finished in tile and equipped with showers. There will be furnace heat and open fire places. Mantels will be of tile or brick. A separate garage will be erected in the rear of the property. Exterior of the house and garage will be covered with cement plaster on metal lath. Plans are now being prepared and figures will be called for shortly.

Contracts Awarded.

SCHOOL—1 story and base, frame and concrete, \$25,635. Portland, Ore. Architect, F. A. Naramore, Portland. Owners, Kennedy School District. Contractor, John Almetar, 294 East 51st street, Portland. Contract price, \$25,635.

POST OFFICE—2 story and base, brick, steel and stone, \$99,537. Pendleton, Ore. Architect, Supervising Architect Oscar Wenderoth, Washington, D. C. Owners, United States Government. Contractor, James S. Winters, Couch Bldg., Portland. Contract price, \$99,537.

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Simon-Fout Brick Co.
Standard Portland Cement Co.

Steiger Terra Cotta & Pottery Wks
Stoner, O. W.
Waterhouse & Price Co.

Western Asbestos
Magnesia Co.
Western Builders' Supply Co.

Western Development Syndicate
Western Lime & Cement Co.

Whittier - Coburn Co.
Woods & Hud-

Card File Co.
Architects' Card File Co.

Cement Dealers.

Alsen's Portland Cement Co.
City Supply Co.
Cowell Lime & Cement Co.

Dwan & Co., J. E.
Guerlin & Co., J. S.
Lennon Co., J. E.

Lilley & Thurston Co.
Meyer, Adolph
Pacific Portland Cement Co.

Standard Portland Cement Co.
Waterhouse & Price Co.
Western Lime & Cement Co.

Chimneys, Patent

Clawson Co., L. E.
Dresser - McDonnell Co.
Hughes, H. J.

Clay Products.

Cal Brick Co.

Cold Storage Insulation

Van Fleet, M. V.

Concrete Contractors.

American Concrete Co.
Amorsen Co. A & T
Barrett & Hilp

Bluxome & Co.
Camp & Carrillon
Chase, S. A.

Coyle, Jos. A.
Crescent Concrete Co.
Daniel & Schott

Dillon, H.
Edminster Bros.
Foster Co., W.

Gnecco, M. H.
Hansen & Johnson.
Haun, C. C. W.

Hurley, P.
Leonard, J. P.
McCabe & Brown

McClennahan & Co., T. W.
Miller, Louis
Mission Concrete

& Mosaic Wks.
Moroncelli, John
Nilson & Arras

New Era Marble & Concrete Co.
Nugent, Robinson
Rasmussen, A.

Riboni, Henry
Schlosser, Max
Schmidt & Son, J.

Sundberg, A.
Spargo, John
Thomas & Sands

Westerlund, J. V.
Zimmerman, L. M.
Concrete Machy.

Bacon & Co., E. R.
Road Machy. Co.
Lansing Co.

D'vrmore Co., Norman B.

Contractors' Equipment.
Bacon & Co., E. R.
Blaisdell Mchy. Co.

Compressed Air & Gen. Mchy. Co.
Lansing Co.
Mapes, Sanford N.

Orenstein - Arthur Koppel Co.
Cornice Works.

Amsler Sheet Metal Works
Appman Cornice Works.
Atlas Heating & Ventilating Co.

Capitol Sheet Metal Works
Conlin & Roberts.
Crown Cornice Works

Cronan, Wm.

Elite Sheet Metal Works
Guilfooy Cor. Wks.
Comyns & Nygren

Forrester Cornice Works
G. & M. Sheet Metal Works.
Hibernia Sheet Metal Works

Hughes, H. J.
Ideal Cornice Co.
Korell & Co., J. A.

Modern Sheet Metal Works
Morrison & Co.
U. S. Metal Products Co.

Western Furnace & Cornice Co.
S. F. Metal Stamp & Carr. Co.

Crude Oil Burners

Bill & Jacobsen
Fess System Co.
Johnson Co., S. T.

Crushed Rock.

Bay Devel. Co.
Cal. Building Material Co.
Cassarretto, John

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McMullin, A. L.
Simon-Fout Brick Co.

Star Contracting Company.
Standard Crushed Rock Co.
Stone Co., E. B. & A. L.

Western Development Syndicate

Damp Proofing.

Brickley, P. J.
Coyle, Jos. A.
Fox, John L.

Keene Co., R. E. G.
Reigle & Jamel-
son

Taylor, L. A.
Whittier - Coburn Company.

Door Opener and Closer.

Rischmuller, Geo.

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Gas & Elec. App. Co.
Pac. Gas & Elec. Company.

Electric Wiring & Equipment.

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Construction Co.
Farnsworth Electrical Works.
General Electric

Constr. Co.
Globe Electric Works
Hicks & Folte

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Lauder, H. I.
Manhattan Electric Co.

National Electric Co.
Newberry - Bendheim Elec. Co.

Peters, Gus. J.
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Ridley, A. E. R.

Rochdale Elec. Co.
Schmitschek, M.
Turner Co., The

Vitt Elec. Co.
Weidenthal - Gosliner Elec. Co.
Wetel Electric Co.

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Otis Elevator Co.
S. F. Elevator Co.
Van Emon Elevator Co.

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Chas. J. U. Koening
Floor Manager
Geo. A. Maas

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Braunton Bros.
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Casty, John

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Graham Granite Co.
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Hardwood Interior Co.
Union Floor Co.
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- Inlaid Floors.**
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- Interlocking Tile Blocks.**
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Dawson & Noyes
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- Iron Works.**
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Kell Iron Works
Michel & Pfeffer
Monarch Iron Works
Pacific Iron Wks.
Pacific Structural Iron Works
Ralston Iron Works
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Schraeder's Iron Works
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Lennon Co., J. E.
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Christenson Lumber Co.
Columbia Lumber Co.
Doe Co., Frank P.
Excelsior Redwood Co.
Hardy Lumber Co.
Hart-Wood Lumber Co.
Hauptman Lumber Co.
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Hooper Lumber Co.
Higgins Lumber Co., J. E.
Loop Lumber Co.
MacDonald Lumber Co.
Moore Mill and Lumber Co.
Oakley, —
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Peterson, E. T.
Pope & Talbot
Reinhart Mill & Lumber Co.
Ryan, George
Santa Clara Valley Mill & Lumber Co.
Santa Fe Lumber Co.
S. F. Lumber Co.
Schouten & Co., J. W.
Sunset Lumber Co.
Tierman & Beronle
Van Arsdale-Harris Lumber Co.
Wilson Bros. & Co.
Wood Lumber Co., E. K.
Wright, Jr., Wm.
- Magnesite Flooring.**
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Bender R.&P. Co.
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Fibrestone & Roofing Co.
Flaherty R.&P. Co.
R. H.
Goodman, A. K.
Malott & Peterson
Watsonite Co.
- Mantels, Tiles & Grates.**
General Building Work Co.
Ginsberg Bros.
Mangrum & Otter
Peerless Agencies Co.
- Marble and Mosaic Work.**
General Building Work Co.
Ginsberg Bros.
Mangrum & Otter
Peerless Agencies Co.
- Marble and Mosaic Work.**
General Building Work Co.
Ginsberg Bros.
Mangrum & Otter
Peerless Agencies Co.
- Mission Concrete & Mosaic Wks.**
Mission Marble Works.
Musto Sons-Keenan Co.
New Era Marble & Concrete Co.
Teltz, Francis E.
Tomagnini & Co., G.
Vermont Marble Co.
- Metal Lath.**
Atlantic Fireproofing Co.
Berger Mfg. Co.
Holloway Metal Lath Company.
- Waterhouse & Price**
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- Metal Stamping**
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U. S. Metal Products Co.
- Notary Public.**
Duncan, A. M.
- Oils and Greases.**
Standard Oil Co.
Union Oil Co.
- Ornamental Plastering.**
Benkman, Ed. G.
Binner, Theodore
Larson, O. F.
Lipp & Co., J. F.
- Painters and Decorators.**
Baker Co., W. T.
Bell, Wm. J.
Bernstein, Wm.
Blum, Louis
Brown, J. L.
Burns Bros.
Clark & Dickson
Cramer Bros.
Conlin, J. J.
Copnick, T. W.
Dahl, T. H.
Donovan, V. J.
Hansen, Elbing A.
Johnson, C.
Kissel, Isidor
Miller, L.
Miller, J. A.
McCubbin, James
Manning, John
Neal, L. J.
Progressive Painting Co.
Quandt & Son
Ruderman, I.
Simon Nelson Co.
Smith, J. S.
Sovig, C. B.
Trost, C. R.
Walk, Mayer
Wagner, Fred
Wagner Bros.
Zelinsky, R.
- Paints, Oils Varnishes, Etc.**
Clark & Dickson
Cohn & Co., Marion D.
Fuller Co., W. P.
O'Brien, J. S.
Paint Products Corporation
Paraffine Paint Co.
Pratt & Lambert
Whittier - Coburn Co.
- Patent Chimneys.**
Clawson Co., L. E.
Dresser - McDon Hughes, H. J.
- Pile Driving.**
Lamburth, C. E.
- Paving Brick.**
Cal Brick Co.
- Planing Mills.**
Acme Plgn. Mill
Anderson Bros.
Atlas Planing Mill Co.
Builders' Supply Depot
Cal. Door Co.
Cal. Planing Mill.
Emanuel, L. & E. (Inc.)
Empire Planing Mill
Hart & Burmester
Hermann, A.
Herring's Mill
Holden - Deuprev Co.
Lorden Mill Co., J. P.
Main St. Planing Premus Planing Mill
Reinhart Lumber & Planing Mill
Ryan, George
- San Mateo Planing Mill**
Santa Clara Valley Mill & Lumber Co.
Spencer St. Planing Mill
Taylor & Co.
Western Planing Mill
Veyhle & Collins
- Plasterers.**
Bosch, Herman
Bradley & O'Reilly
Brennan, James
Campbell, Chas.
Campbell & Williams
Connel Co., J. E.
Daly, J. H.
Duthie, Chas.
Gilmour, W. G.
Jones, Francis
Kaiser, Jos.
Leaf, Al.
MacGruer & Co.
Mellon, Thos.
Modica, S.
Mowat Donald
Philbin, J. J.
Sexton, T. D.
Terranova Bros.
Wagner, James A.
- Plumbing and Gas Fitting.**
Band, S. W.
Bernard, Geo. F.
Dunn, Nell H.
Goss, Wm. P.
Grundy, Ed.
Houston, J. J.
Kara, F. E.
Kierman & O'Brien
Lacey, E. V.
Lauder, H. I.
Lawson, Herman
Lettich, Antone
Lettich, J. M.
Looney Co., J.
May, Gus
McLeod, J. J.
Penkerton, J. H.
Skelly, Thomas
Snook & Co., Fred W.
Turner Co., The
Wetzel, Theo.
Wilson & Co., W.
- Plumbers Supplies**
Kinney Co., R. W.
Mark-Lally Co.
Mueller Mfg. Co., H.
Nelson Mfg. Co.
Pac Sanitary Mfg Co.
Paragon Brass Mfg. Co.
- Radiators.**
American Radiator Co.
- Railway Materials**
Orenstein - Arthur Koppel Co.
- Rigging.**
Lamburth, C. E.
- Roofing, Gravel & Composition.)**
Bender Roofing & Paving Co.
Cantley & Co., J.
Enterprise Roofing Co.
Flaherty, R. H.
Keene Co., R. E. G.
Lawson Roofing Co.
Lewis, W. S.
Malott & Peterson
Rapheld Roofing Co.
Samuel Co., H. D.
Watsonite Co.
Western Asbestos
Magnesia Co.
Western Felt and Roofing Co.
- Roofing (Slate & Tile.)**
Graham, R. G.
Khatt, R. J.
White, Ed. A.
Fibrestone & Roofing Co.
- Roofing Materials.**
Johns - Manville Co., H. W.
Paraffine Paint Co.
Waterhouse & Price
Western Asbestos
Magnesia Co.
Western Builders Supply Co.
Whittier - Coburn Co.
- Sand, Gravel, Etc.**
Bay Develop. Co.
Cal. Building Material Co.
McMullin Bros.
Stone Co., E. B. & A. L.
Western Development Syndicate.
- Sanitary Garbage Chutes.**
Bill & Jacobsen
Sand Blasting.
McDermott, W.
- Sheet Metal Wks.**
Amsler Sheet Metal Works
Appman Cornice Works
Atlas Heating & Ventilating Wks.
Capitol Sheet Metal Works
Comyns & Nygren
Cronan, Wm.
Crown Cornice Works
Elite Sheet Metal Works
Forderer Cornice Works
G. & M. Sheet Metal Works
Guilfooy Cornice Works
Hibernia Sheet Metal Works
Hughes, H. J.
Ideal Cornice Wks.
Korall & Co., J. A.
Modern Sheet Metal Works
Morrison & Co.
S. F. Metal Stamping & Corr. Co.
U. S. Metal Products Co.
Western Furnace & Cornice Co.
- Sidewalk Lights.**
Jackson Co., F. H.
Dwan & Co., J. E.
Phoenix Sidewalk Light Co.
- Stair Builders.**
Bishop & Perrino
Boiler, John
Jacobsen, J.
Porter, W. F.
Stewart, J. K.
- Stationery.**
Foster & Short
Wright, J. H.
- Steel Bars.**
Baker & Hamilton
Dawson & Noyes
Woods & Huddart.
- Pacific Coast Steel Co.**
Sole Co.
Steel Erector.
Schauer, Fred C.
Pioneer Con. Co.
Williams Construction Co.
Store Fronts
Kawner Mfg. Co.
U. S. Metal Products Co.
Structural Steel Contractors.
Central Iron Wks.
Dyer Bros.
Judson Mfg. Co.
Pacific Structural Iron Works
Pac. Rolling Mills
Schraeder's Iron Works.
S. F. Iron Works
Western Iron Supply Co.
Stevens.
Mangrum & Otter
Steiger & Kerr

Structural Steel Contractors.

Brode Iron Wks.
Dyer Bros.
Golden Gate Iron Works
San Francisco Iron Works
Ralston Iron Wks
Vulcan Iron Wks.

Surveyors.

Morser, E. J.
Quimby, L. S.
Wetherell, Chas E

Teaming & Grading.

Branick, J. P.
Blanchini, G.

Federal Transfer & Draying Co.

Carlin Bros.
Devencenzi & Co., L.
Dillon Teaming Co.
Federal Transfer & Draying Co.
Harbor View Contract Co.
Hule Co., E. M.
Lennon Co., J. E.
Leffler, Fred
McGlinchey & Monohan
Montague Co., P.
O'Day Co., D.
Powers, Chas. J.

Sibley Teaming & Grading Co.

Star Contracting Co.
Wright Co., J. H.
Tiling.
Cal. Tile Contr.Co.
Ginsberg & Co., S.
Mangrum & Otter
Peerless Agencies Co.
Vacuum Co.
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Hughson & Mer-ton Co.
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Stevens Co., Frank A.

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Water Company.
Spring Valley Water Works.
Whitewashing.
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Taylor, L. A.
Waterproofing.
Coyle, Jos. A.
Window Cleaning.
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Windows. Patent.
Simplex Window Co.

Central Electric Co.

City Electric Co.
De Lew, M. A.
Decker Electric Co
Globe Elec. Co.
Levy Elec. Co.
Elevators.
Otis Elevator Co.
Van Emon Elevator Co.
Fibre.
S. F. Fibre & Cord-age Co.
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Floor Sanding.
Hardwood Interior Co.
Inlaid Floor Co.
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Cal. Art Metal & Wire Works.
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Brigham, H. B.
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Dempniak Bros.
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Fluth, J.
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Graham, D. E.
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Schneibly, Host-trawser & Ped-grift

Cronan, Wm.
Mangrum & Otter
Montague, W. W. & Co.

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Blume Cont'g Co.
Pearson, E. K.
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Inlaid Floor Co.
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Lorenz, Schaffner & Co.
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Joist Hangers & Post Caps.
Kortick - Falls Mfg Co.
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Lorenz Schaffer & Co.
Western Builders' Supply Co.

Kawneer System Store Fronts.
Falls Mfg. Co.
Lilley & Thurston Co.

Light and Power
City Electric Co.
Pac. Gas & Electric Co.

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Acme Cement Plaster Co.
Arden Plaster Co.
Cowell Lime & Cement Co.
Holland, J. P.
Holmes Lime & Cement Co.
Lennon, Jas. F.
Nephi Plaster Co.
Pacific Bldg. Material Co.

Pac Lime & Plaster Co.
S. F. Lime Co.
Shasta Lime Products Co.
Western Building Material Co.
Western Lime & Cement Co.

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Hart-Wood Lumber Co.
Humboldt Lumber Co.

Hauptman Lumber Co.
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Mortenson Cons. Co.
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Lorenz Schaffer & Co.
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St. Francis Orn. Iron Works
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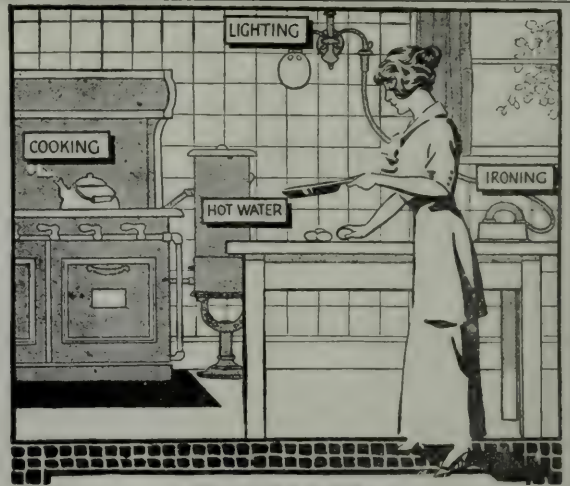
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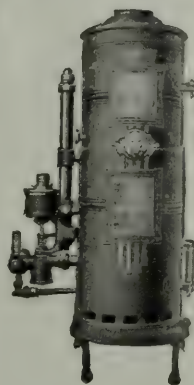
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Editorial Comment.

STAND BY THE PRESIDENT.

"The melting pot" has got now to prove that it has fused a nation. It is up to this Nation to stand by its President, by its national leaders, with the same unity any kingly government commands from its people.

Individuals not in official place cannot know all the facts. They are not in position to form completely intelligent or informed judgment. They may, if they will, indulge in impulsive sentiments and possibly unjust expressions of opinion. The President may not do that. On him rests the responsibility for 100 million people. He must speak with calmness and deliberation. On him Fate and the voice of the people have cast the burden of history. It is but just, it is only safe, that the voice of the people shall choose him as its oracle.

The fact that a fateful incident has arisen should all the more serve to bind the country into one homogeneous whole—that the President may have his fullest opportunity to deal justly with all nations and guide the American people in the way that historic dispassionate opinion will approve.—Kansas City Star.

The California Legislature has adjourned. In the main it has been very conservative, the main bills being for the purpose of rounding out the reforms already effected. The legislators return with about the same number of local bills and things which look to the betterment of some particular locality. The great difficulty is to avoid the passage of two many laws. For changes always mean uncertainty and uncertainty is not a good condition.

The speech of President Wilson to naturalized American citizens at Philadelphia, while not a formal expression of American policy, is at least an expression of American ideals. And that is to live in its public policy as it does in its private life, to do equal justice and to follow as near as possible the golden rule. This idea is foreign to most European nations. And the attitude of the ruling classes there is to perpetuate their own power by appealing to the patriotism of their people and ingendering hatred of others.

The events of the past few weeks have brought home to the minds of all the necessity of arming in a world where we preach for peace. A military nation has forced us back to barbarism. We must go out and fight and die or submit to the rule of militarism. All standards and precedents have been

swept away. It is a time for us to sit tight and hold on, but if necessary defend the principles for which our government was founded and which we have so far maintained even in civil strife and the disasters of internal war.

The weather is sometimes a tabooed subject of conversation, but it nevertheless is an important factor in almost every undertaking. Agriculture, the fundamental source of all life and material welfare, is directly and absolutely dependent upon it. The places that are denied rain are without life. A failure of the regularity of rains or a recurrence of proper seasons spells a failure of crops and in that proportion fails to support life, human, animal and vegetable, which marks the evolution of the world.

The weather in California for the past two weeks has been out of the ordinary. To some extent it has affected building operations in their progress and completion, but not generally affecting the starting of new work. The rains have caused some damage to fruit that is nearly ripe but generally it has done more good than harm. The grass has grown steadily since the beginning of spring and the first winter rains. There will be a luxuriant crop to cure when the rains cease. Altogether the prospects are for a bumper crop, good pasture and a fair return. All the matter with the world is the war and that is the making of fool kings. Otherwise "Every prospect pleases and only man is vile,"

MEURER BROS. AT THE FAIR.

Meurer Bros. have a very interesting exhibition of their various products at the Panama-Pacific International Exposition in the Manufacturers Building on Avenue D near 7th Street, where samples of the various Metal Specialties which they manufacture, such as Meurer's Metal Mission Tiles, Spanish Tiles, Unique Metal Slate, Columbia Metal Shingles, together with the various brands of their High Grade Roofing Plates are on exhibition. In addition to the above, their Meurer's Columbia Range Boiler and Water Heater is shown, and also the Anchor Ventilators and Anchor Steel Barrels, which latter are used for the storage and transportation of gasoline and are manufactured by The Meurer Steel Barrel Co., Inc.

This exhibition is under the direction of Mr. A. H. McDonald, who has been their Pacific Coast manager for many years and who will be glad to see our readers either at the Exposition or at his office, which is located in San Francisco at 628 Third St.

Important Discoveries By the Bureau of Mines.

From the Office of the Secretary of the Interior.

Secretary of the Interior Lane has announced the discovery by the U. S. Bureau of Mines of two chemical processes, one of which, it is claimed, will be of tremendous importance to the oil industry, greatly increasing the supply of gasoline, while the other may make the United States absolutely independent of the rest of the world in regard to important materials necessary for the dye industry and the manufacture of high explosives used in warfare and in engineering operations.

The first of these processes promises to enable the independent refiners in this country to increase their output of gasoline from petroleum 200 per cent or more. With an estimated production on the part of the independent refiners of 12,000,000 barrels of gasoline in a year, this will mean an output from the independents alone of 36,000,000 barrels, greater than the total production today from all sources.

The second process includes the manufacture from crude petroleum of what is known chemically as toluol and benzol, both of which have heretofore been obtained from coal tar. As Germany has specialized far beyond other countries in by-products from coal, the United States and the rest of the world have been dominated by that country as regards those products of toluol and benzol which are the important bases for the production of dye stuffs and high explosives, and especially smokeless powder.

The discoverer of these two valuable processes, after many years of research, is Dr. Walter F. Rittman, chemical engineer of the Bureau of Mines, the work having been done at Columbia University, New York, the facilities of the laboratory there having been turned over to the Federal Government by President Nicholas Murray Butler.

Application has been made by Dr. Rittman, on behalf of the Federal Government, to patent these processes in order to prevent any monopoly in their use, the patents to be dedicated to the whole American people.

Will Increase Production of Gasoline.

"These processes," said Secretary Lane, "are fraught with the utmost importance to the people of this country. For some time the Standard Oil Company, through the great amount of money at its command, through its employment of expert chemists and through its extensive organization, has had a big advantage over the independents in the production of gasoline, this company having a patented process that obtains for it as much as three times the amount of gasoline from a given amount of petroleum as the independents now obtain. There are two or three other large corporations that have an efficient process for the manufacture of gasoline, but the independents as a whole have never been able to even approach the results obtained by the Standard Oil Company. Now the Federal Government, through the efforts of Dr. Rittman,

proposes to make free for the use of all of the people of this country who wish it, a process that is confidently expected to increase their yields of gasoline from crude petroleum fully 200 per cent and perhaps more, such results having been repeatedly been obtained in the laboratory. It is claimed by Dr. Rittman that his process is safer, simpler and is more economical in time than processes now in use and these are economic factors of great importance. With a steadily increasing demand for gasoline for automobiles, motor boats and engines, this fortunate discovery comes at the proper time. It is but two years ago that the automobile industry, fearful that the supply of gasoline might not be adequate for its rapidly expanding business, offered through the International Association of Recognized Automobile Clubs, a prize of \$100,000 for a substitute for gasoline that would cost less than gasoline. Happily the urgency of this situation has passed and at the present time there is a plentiful supply of motor fuel to meet immediate demand. This new process add to the hope, that in spite of the wonderful growth of the use of gasoline, there may not be any shortage in the future. It indicates an increased production of gasoline from the present production of petroleum—an output of 50,000,000 barrels instead of 25,000,000, as under the present method. It will render free for use for all, the results of that efficient and intelligent research which has heretofore been only at the command of the wealthy. I am led to believe that it will not only be of inestimable value to the refiners commanding but limited capital as well as those of wealth, but also to the hundreds of thousands of users of gasoline. When it is realized that the gasoline industry each year in this country yields products amounting in value to between \$100,000,000 and \$150,000,000, the importance of this discovery is seen.

Vitality Important to the Dye Industry.

"The second process discovered by Dr. Rittman may prove of much more value to the country than the first, in that it suggests the establishment of an industry in which Germany has heretofore been preeminent—the dye industry, and also promises indirectly a measure of national safety of incalculable import. Among necessary ingredients of high explosives used in modern warfare toluol and benzol are in the first rank. Heretofore these products have mainly been obtained in Germany and England from coal tar, and the explosives manufacturers have had to depend largely on the supply from these sources in the making of explosives. I understand that some toluol and benzol have been obtained from American coal and water-gas tars, but this supply does not begin to satisfy the present demands. The Federal Government now proposes to obtain the toluol and benzol from crude petroleum also. I am further informed

that these products can be produced from practically any American petroleum and that the supply can be made sufficient not only for the entire American trade but also for other purposes. This process has gone far enough to indicate the two products can be produced at a reasonable cost. The real comforting thing, however, is that we have the knowledge that this new source of supply is at the command of our people, and that in time of great national stress, if the nation is ever ralled upon to defend itself, we will be able to manufacture the most efficient and most powerful explosives known to warfare. Were it not for this discovery, it is possible that in such an emergency, we might be compelled to rely largely on the greatly inferior explosives used in the time of our Civil War and this would spell national disaster.

More Economical Than German Method.

"Dr. Rittman concludes from his experiments that this process may become more economical than the German method of obtaining these products from coal tar, as this process not only makes toluol and benzol, but also gasoline in considerable quantities. He intimated to me the possibility of the value of the gasoline being an important factor in paying the cost of the process. If this should prove to be true, it may result in eventually giving the United States supremacy in the dye-stuff industry that has for some time belonged to Germany, since toluol and benzol are the source of many of these important dye stuffs that are used in the silk, cotton and woolen industries. It would also tend to prevent disturbance of the great industries engaged in the manufacture of silks, cottons and woollens in such extraordinary times as we are now experiencing, for we would be able to supply them with the necessary dyes."

AMERICA'S MINERAL PRODUCTS.

The mineral products of the United States are discussed in a small volume now being distributed by the United States Geological Survey which contains a fund of useful information concerning the useful minerals and their values and production in all the States during 1912 and 1913. The figures given in some of the tables are so stupendous as to be beyond comprehension. In one table are given the figures for mineral production from 1880 to 1913, the metals being valued at \$185,000,000 in 1880 and increasing to \$883,000,000 in 1913. The nonmetallic minerals increased from \$173,000,000 in 1880 to \$1,562,000,000 in 1913, and the total mineral production from \$365,000,000 to \$2,446,000,000. This total for 1913 was an increase over 1912 of more than \$200,000,000. The value of the metals imported for consumption in 1913 was \$237,000,000 and of those exported \$319,000,000. The value of the total mineral production from 1880 to 1913 inclusive, was \$35,197,000,000.

EVOLUTION OF FORESTRY.

In an address delivered on the occasion of the dedication of the Forestry Building, at the Ohio State University, Columbus, Frank W. Rane, Massachusetts State Forester, stated that in dedicating a building to be used for the teaching of forestry at its university the State of Ohio is taking a forward step of fundamental importance. What the forests have meant to this commonwealth—yea, to our nation—in its development up to the present hour is almost beyond the comprehension of man.

The nation could not have developed to its present state of efficiency without our indigenous forest products, for the uses to which they are put are legion. Of what else could we have built our homes, our cities and villages, bridges, and railroads, constructed our telegraph and telephone lines, propped our mines, traversed the seas, and, in fact, made our implements, vehicles, etc? Even the by-products, as pitch, tar turpentine, charcoal, resin, alcohol, tannin, etc., are again important industries and are essential to our great economic success.

Referring to electrically equipped sawmills, Prof. Rane said: This rapid development has been shown not only in the utilization of our forests, but to a greater or less extent in the utilization of the other natural resources which constitute our birthright. In our wild rush of development and utilization we have disregarded the future and lived only in the present, until now we must pause to realize that this kind of development is effective for a time, but extremely wasteful in the end.

Conservation, a term which expresses in one word caution and economy, has of late been the slogan of our constructive and thoughtful people. This campaign first originated in forestry, but was quickly applied to the conservation of all our natural resources. We have reached that stage in our national development when we must of necessity not only employ rational and sane principles of conservation, but must take a further step in the restoration of our inexhaustible resources like forests. Waste, mismanagement and forest fires have destroyed enough of forest resources alone to have supplied our wants for many years to come, not taking into account the effect upon stream flow, the denudation of the soil and other correlated calamities.

A state forest policy, he said, should embrace and regulate the following subjects: Expert services should be given without expense, except for travel and subsistence, to anybody in the state, particularly emphasizing forest planting on the part of the farmers. Forestry literature of a practical nature should be disseminated wherever there is a call for it, the most economic utilization of all forest products should be carefully studied and a modern system of taxation should be adopted in every state. A nursery would prove of great assistance in planting state lands, while in many states small trees might be sold at cost.

The poorer towns should be given state aid in the purchase of forest fire

fighting equipment; \$500 will make a very good beginning. Each state needs to regulate the disposal of its brush and slash, since some of the worst fires get their momentum from its being allowed to remain. Also, all railroad engines burning wood, coke or coal should be inspected to see that they are properly protected with spark arresters, ashpans and grates.

The Governor should have the power to proclaim the hunting season closed during a very dry time. Fish and game deputies should have the same authority as regards forest fires as the forest wardens. The Boy Scouts should be utilized as fire fighters, and the rural mail carriers be compelled to report all forest fires to the forest warden or his deputies.—American Contractor.

CALIFORNIA'S ARCHITECTURAL CONTRIBUTION.

(From the School Board Journal.)

With originality and boldness, characteristic of their native State, California architects have recently developed two distinctly valuable forms, or types, of school buildings. The older, and more common, is the one-story elementary building, built around a central court, and resembling the old Spanish buildings which date from the early mission days. The second type is the group high school, in which each distinct set of studies is housed in a separate structure, suited to the specific needs.

The typical California "mission" school house is nearly ideal for the climatic conditions of the State. The open cloisters afford a shelter from the glare and heat of the summer, and protection against the rain and wind of the winter. At the same time they allow plenty of fresh air under all conditions. The one-story buildings afford a minimum expense for construction and maintenance, and a maximum of safety against fire, panics and other dangers found in the compactly built school houses of the Eastern States. Except for the greater ground area which they occupy—an objection which has no weight except in large cities—the mission type school has hardly a fault worth mentioning.

The group high school has been found in California to be the most economical, flexible, adaptable type of building devised thus far. Usually it is begun with a single unit that provides accommodations for the administrative offices and for academic class rooms. Buildings for manual arts, natural sciences, household arts, physical education, assembly, etc., are added as the needs arise, as the student body increases and as the financial ability of the district permits. Each group of studies has a structure exactly planned for its use. There is no interference or disturbance of departments, and the whole is held together as a school by the principal and his assistants. Architecturally, the group becomes a civic and social center, each building expressing its purpose unmistakably and contributing to the unity and beauty of the whole.

While these two California types of school houses may not be adapted for use in many States of the Union, they emphasize the need of original thinking in school house planning. They make evident by comparison the fail-

ure of the South, of the Southern States or the North Central group, and of the Mountain States to study the problems of housing the local schools in structures characteristic of the country, adapted to the climate and the native conditions.

There is a very real need in American school architecture for less imitation and less following of precedent. More vigorous, independent and bold initiative, applied with due consideration of proven principles, is essential, if we are to have, in every section of the United States, a true, characteristic, school architecture.

TRADE OF THE UNITED STATES WITH OTHER AMERICAN COUNTRIES.

Trade of the United States with other American Countries, 1913-1914," is the title of a booklet just published by the Bureau of Foreign and Domestic Commerce, Department of Commerce. American manufacturers and producers in all lines will find this document of practical value in determining the kinds, quantities, and values of merchandise exported from the United States to each country of the Western Hemisphere, with annual purchases amounting to two billions of dollars.

The aggregate value of our exports to all American countries in the fiscal year 1914 was 652 million dollars, 628½ million going to North American and 124½ million to South American countries. Canada buys more goods from us than all other countries of the New World combined, and the principal articles making up that trade are set forth in the volume above described, the list of goods including nearly all lines of manufactures from abrasives to zinc and totaling \$345,000,000. Cuba, our second largest American market, bought \$69,000,000 worth of our products; Argentina, third in rank, \$45,000,000; Mexico, \$39,000,000; Brazil, \$30,000,000; Panama, \$23,000,000; and Chile \$17,000,000, in round terms, while other American countries bought our products to the value of \$85,000,000 in the fiscal year 1914.

Of equal interest to those seeking information regarding sources of our imported raw materials and foodstuffs is the section of the book which shows the various classes of merchandise sent to our ports by the countries in question. No important article is omitted from consideration, whether Canadian cattle, ores, and pulp; Cuban sugar; Mexican oil and fibres; Brazilian coffee and rubber; Chilean nitrates and copper; or Argentine corn, hides, and meats. The American countries showing the largest imports into the United States were: Canada, 161 million dollars; Cuba, 131 million; Brazil, 101 million, and the Central American Republics, 12 million dollars. Our total imports from all American countries last fiscal year aggregated \$650,000,000 in value, of which \$427,000,000 was the value of those from North America.

"Miscellaneous Series No. 23," the official designation of the booklet, will be sold by the Superintendent of Documents, Washington, and by branch offices of the Bureau of Foreign and Domestic Commerce at New York, Boston, Chicago, St. Louis, New Orleans, Atlanta, San Francisco, and Seattle at the nominal price of 20 cents per copy.

ADVANCE NEWS

Classified according to Character of Work

APARTMENT HOUSES

SAN FRANCISCO—Apartment house, 4 story and base. Class C construction, \$45,000. Architects, O'Brien Bros., 240 Montgomery street, S. F. Owners, O'Brien Bros. The building will be erected on the south side of Bush street, 187-6 west of Mason. The structure will have a frontage of 42 feet and a depth of 137½ feet, and has been designed to contain 28 apartments of two rooms and bath. Interior will be finished in pine and Philippine mahogany. Hardwood floors will be used in the living rooms and dining rooms. Bath rooms will be finished in tile. Besides the apartments, plans provide for a large social hall, lobby and office on the first floor. There will be steam heat with a complete oil burning equipment, an automatic elevator, hot water supply and dumb waiters. Marble and tile wainscot will be used in the entrance vestibule and lobby. Exterior of the building will be faced with marble up to the water table and with cream colored pressed brick above that point. Plans are complete and segregated figures are now being taken.

SAN FRANCISCO—Apartment house, 3 story and base, frame, \$16,500. Architect, Charles J. Rousseau, 46 Kearny street, S. F. Owner, Mrs. M. Kumpf. The building will be erected at the corner of 5th avenue and Irving street, and has been designed to contain five apartments of three and four rooms. Interior finish will be of pine and blue gum. Hardwood floors will be used in the living and dining rooms. All apartments will have wall beds and private bath rooms. There will be steam heat, a hot water supply and vacuum cleaning. Entrance and lobby has been designed in the Empire style. Exterior of the building will be faced with cement plaster on metal lath. Plans are now being prepared.

SAN FRANCISCO—Apartment house, 3 story and base, frame, \$35,000. Architect, W. G. Hind, 46 Kearny street, S. F. Owner, Dr. R. W. Payne, 146 Grant avenue. The building will be erected at the southwest corner of Sacramento and Jones streets, covering an area of 50 by 90 feet. There will be a total of 21 apartments of three and four rooms. Interior finish will be of pine and southern gum. There will be hardwood floors in the living rooms, dining rooms and reception halls. Plans provide for steam heat with an oil burning system, a hot water supply and vacuum cleaning. All apartments will have wall beds and private bath rooms. Bath rooms will be finished in tile. Marble and tile wainscot will be used. Prior of the dwelling will be covered with cement plaster on metal lath. Contract for the excavating and concrete work has been awarded to P. Hurley, 578 Elizabeth street. Segregated figures are being taken for the balance of the work.

SAN FRANCISCO—Apartment house, story and base, frame, \$13,000. Architect, C. O. Clausen, Hearst Bldg., S. F. Owner, Thomas F. Lyons, 20 Stanyan street. The building will be erected on the south side of Sacramento street, 100 feet west of Gough. There will be a total of six apartments of four rooms and bath. Interior finish will be of pine with some hardwood veneer. Hardwood floors will be used in the living rooms and dining rooms. Plans provide for furnace heat and hot water system. All apartments will have wall beds. Bath rooms will be finished in tile with composition floors. Marble and tile wainscot will be used in the entrance and vestibule. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor.

OAKLAND, CAL.—Apartment house trim, electric work, etc., 4 story and base. Class C construction. Cost not stated. Architects, Richardson & Burrell, Albany Bldg., Oakland. Owners, Security Realty Co. The architects are now taking figures on the following work in connection with the four-story apartment house under construction on Alice street: Hardwood interior finish, hardwood floors, fountain, electric work, elevator work, ornamental iron, marble and Caen stone mantels.

OAKLAND, CAL.—Apartment house, 4 story and base, brick and frame, \$75,000. Architects, Richardson & Burrell, Albany Bldg., Oakland. Owners, Sommarstrom Bros. The building will be erected at the corner of Alice and 14th streets, covering an area of 100 by 130 feet. There will be a total of 36 apartments of three, four and five rooms. Interior will be finished in pine and hardwood with hardwood floors. There will be steam heat, an automatic elevator and hot water supply. All suites will have wall beds and private bath rooms. Tile wainscot and floors will be used in the bath rooms. Marble and tile will be used in the entrance. Exterior of the building will be faced with pressed brick trimmed with stone. Plans will be out for figures in about a week.

SAN FRANCISCO—Apartment house, 3 story and base, brick and steel, \$18,000. Architect, C. O. Clausen, Hearst Bldg., S. F. Owner's name withheld. The building will be erected on O'Farrell street near Leavenworth, and has been designed to contain ten apartments of two rooms each. Interior finish will be of pine with some elm panels. Hardwood floors will be used in the living and dining rooms. There will be steam heat and wall beds. All apartments will have private baths. Bath rooms will be finished in tile. Marble and tile wainscot will be used in the entrance. Exterior of the building will be faced with pressed brick. Plans are now being prepared.

SAN FRANCISCO—Apartment house, 3 story and base, frame, \$16,000. Architect, C. O. Clausen, Hearst Bldg., S. F. Owner's name withheld. The building will be erected on Guerrero street near 18th, and has been designed to contain 12 modern apartments of three and four rooms. Interior finish will be of pine and hardwood veneer. Hardwood floors will be used in the living and dining rooms. There will be wall beds and private baths. Plans provide for steam heat and dumb waiters. A hot water circulating system will be installed. Bath rooms will be finished in tile. Exterior of the building will be covered with pressed brick veneer and ship-lap. Plans are now being prepared.

OAKLAND, CAL.—Apartment house alterations and additions, frame, \$12,000. Architects, Richardson & Burrell, Albany Bldg., Oakland. Owner's name withheld. The present two-story frame building arranged for flats and a store will undergo extensive alterations. There will be a total of 12 apartments of two, three and four rooms. Included in the work will be new interior finish, plumbing, plastering, electric work and steam heat. Bath rooms will be finished in tile. Exterior of the building will be covered with cement plaster on metal lath. Plans are complete and figures are being taken.

Contracts Awarded.

LOS ANGELES, CAL.—Apartment house, 3 story and base, brick, \$42,000. Architect's name not given. Owner, Mrs. L. J. Hamer. Contractors, A. S. and C. O'Neill, Lankershim Bldg., L. A. Contract price, \$42,000.

BANKS

RIO VISTA, SOLANO CO., CAL.—Bank, 2 story and base, reinforced concrete, \$20,000. Architect, W. H. Weeks, 75 Post street, S. F. Owners, First National Bank of Rio Vista. The building has been designed in the classic style and will be of fireproof construction throughout with reinforced concrete walls and floors. The entire structure will be occupied for banking purposes. The main floor will contain the public room, work space and bank vault. Interior finish will be of pine and hardwood with some ornamental plaster, ornamental bronze and iron. Special bank equipment will be installed. There will be a central heating system, probably steam heat with an oil burning equipment. The upper floor will be finished for offices. Exterior of the building will be covered with cement plaster. Plans are complete and figures are now being taken.

BONDS.

ROSEVILLE SCHOOL DISTRICT, PLACER CO., CAL.—The Board of Supervisors of Placer County will receive sealed bids up to 10 A. M.

June 8th, for the purchase of bonds in the sum of \$10,000. When sold the proceeds of the sale will be used in the construction of a school building. Marshall Z. Lowell is Clerk of the Supervisors, from whom further information may be had.

SUISUN, SOLANO CO., CAL.—The Trustees of the Crystal Grammar School District, which includes Suisun and surrounding territory, have decided to submit to the voters of the district the proposition to issue bonds of \$40,000 for the erection of a new school building and the purchase of additional lots for the enlargement and improvement of the grounds. New equipment and furniture will also be purchased. The election will be held on June 8th.

The trustees of the district are John A. Wilson, B. F. Rush and W. U. Goodman.

LIVE OAK, SUTTER CO., CAL.—May 28th has been selected as the date for the bond election to be held for the purpose of raising the sum of \$5,000 with which to erect an addition to the present school building. The officials calling the election are A. Perry, H. Luther and Walter Johnson.

YUBA CITY, SUTTER CO., CAL.—The Board of Trustees of Yuba City has gone on record as favoring the calling of a bond election to raise funds for the paving of streets in this city. The Board will proceed with all preliminary work in regard to the election at their next meeting.

BELLINGHAM, WASH.—An election will be held here on June 5th, at which time the question of issuing and selling bonds in the sum of \$95,000 will be voted upon. The proceeds of the sale, should the issue carry, will be used in the construction of an addition to the present school building.

POCATELLO, IDA.—The International Trust Company of Denver, Colo., has been awarded the \$70,000 bonds for a new high school building at a premium of \$1,132.

The selection of an architect to design the new structure is now under consideration.

MT. VERNON, WASH.—A special election will be held on May 15th to vote on the proposition of issuing bonds of \$60,000 to provide for the erection of a new union high school. The directors are Robert Wiley, G. B. Grace, Paul Pearson and Alfred Johnson.

BAKERSFIELD, KERN CO., CAL.—The \$8,000 school bond issue of the Panama School District has been sold, and bids for the construction of the building, for which the bonds were voted, are now being taken.

EL CENTRO, IMPERIAL CO., CAL.—A bond election will be held in El Centro on May 24th to vote bonds of \$250,000, the proceeds of the sale of these bonds to provide for the construction of a joint El Centro-Imperial sewer system. Frank Olmstead has been retained as engineer and will have full charge of the work.

CRESCENTA SCHOOL DISTRICT, LOS ANGELES CO., CAL.—A special election has been called for May 28th in the Crescenta School District to vote bonds of \$15,000 to provide the necessary funds for the construction of a new school building.

TERRA BELLA IRRIGATION DISTRICT, CAL.—A special election will

be held in the Terra Bella Irrigation District in August for the purpose of voting bonds in the sum of \$1,000,000 to provide for the construction of a reservoir and forty-mile irrigation system. Earle R. Clemens is the secretary and S. E. Keefer of San Francisco is engineer.

ST. JOHNS, ARIZ.—The Board of Supervisors of Apache County has sold the \$125,000 bond issue recently voted to provide for the improvement of the county highways.

HANFORD, KINGS CO., CAL.—Bonds in the sum of \$672,500 for the improvement of 108 miles of county highway were voted at the special election held on May 5th.

TEHAMA, TEHAMA CO., CAL.—At a special election held here bonds in the sum of \$10,000 were voted for the construction and maintenance of a municipal water works plant.

There were 118 votes cast. Eighty-three in favor of the proposition and thirty-five against.

SAUSALITO, MARIN CO., CAL.—The proposition to bond the town for \$25,000 with which to erect a city hall building is now under consideration by the City Trustees.

SAN MATEO, SAN MATEO CO., CAL.—Bonds in the sum of \$25,000 have been voted here to provide for the erection of a primary school building.

BRIDGES AND DAMS

EWING, PLACER CO., CAL.—Bridges, 2, reinforced concrete. Cost not stated. Engineers, Givan & Pearce, Auburn. Owners, Placer County. Plans have been completed and figures are now being taken for the construction of two reinforced concrete bridges which are to be erected across Coon Creek on the route of the Great Highway. Bids for this work will be opened on June 8th. Plans and specifications can be secured from the office of the County Clerk at Auburn.

SAN FRANCISCO—Bridges and viaducts, reinforced concrete. Cost not stated. Engineer, City Department of Engineering, Temporary City Hall, S. F. Owners, City and County of San Francisco. The engineering department is now engaged in the preparation of plans for a number of bridges and viaducts to be erected on the line of the Municipal Railroad extension through Golden Gate Park.

SOUTH SAN FRANCISCO—Harbor improvements. Cost not stated. Engineers, Haviland & Tibbetts, Alaska Commercial Bldg., S. F. Owners, South San Francisco. The South San Francisco Land Co., with offices at 221 Monadnock Bldg., has retained Engineers Haviland & Tibbetts to prepare plans for extensive improvements to the South San Francisco water front. It is stated that one of the big Chicago meat packers has become interested in this project and will erect another large plant there. The work included is widening the present channel, dredging to a depth of 20 feet at low tide, constructing a 900-foot turning basin and erecting extensive jettie, sea wall and wharves. Engineers J. H. Kane and B. W. Seymour of Chicago are representing the Chicago packers.

NAPA, NAPA CO., CAL.—Bridge, reinforced concrete and steel. Cost not stated. Engineer, County Surveyor,

Napa. Owners, Napa County. Plans and specifications for the Huichica bridge have been completed and will be forwarded to the State Highway Commission immediately for their approval. On approval of these plans the bids on the proposed structure will be called for.

BAKERSFIELD, KERN CO., CAL.—Bridge, reinforced concrete, \$3,000. Engineer, County Surveyor, Bakersfield. Owners, Kern County. An agreement under which the county will pay for the construction of a reinforced concrete bridge over the Cudda Canyon, where the State Highway crosses, has been sanctioned by the Board of Supervisors in a resolution passed. This action is in accordance with a rule that the counties must pay for all bridges on the State Highway over twenty feet in length. The Cudda Canyon bridge will be about fifty feet long.

COLUSA, COLUSA CO., CAL.—Bridge, reinforced concrete. Cost not stated. Engineer, County Surveyor, Colusa. Owners, Colusa County. The State Reclamation Board has granted the Colusa County Supervisors permission to erect a long reinforced concrete bridge over the Colusa trough west of the Sacramento River. Plans for the construction of the proposed structure were submitted and met with approval of the Board, except in the matter of height. The structure was ordered to be built two feet higher than originally planned.

Contracts Awarded.

COLUSA, COLUSA CO., CAL.—Bridges, 12, concrete and timber. Cost as follows. Engineer, County Surveyor, Colusa. Owners, Colusa County. Contractor, Peter Graser, Williams. Contract for bridges No. 70, 69, 78, 68, 82, 77, 60 and 61. Contract price, \$9,600. Ward B. Esterly, contract for bridges No. 79, 80, 81, and 83. Contract price, \$2,462.

SAN JOSE, SANTA CLARA CO., CAL.—Bridge, reinforced concrete, \$5,280. Engineer, County Surveyor, San Jose. Owners, Santa Clara County. Eleven bids were opened for the construction of a bridge on the San Jose and Los Gatos road over the Los Gatos Creek. John W. Williams of San Jose was low at \$5,280. He has been awarded the contract.

CHURCHES.

SAN FRANCISCO—Synagogue, 2 story and base, frame, \$25,000. Architect, E. A. Neumarkel, Sharon Bldg., S. F. Owner, Temple Kenesith Israel. The building will be erected on Webster street, between McAllister and Golden Gate, and will have a frontage of 50 feet and a depth of 125 feet. There will be a large auditorium seating 450 people, class rooms and social hall. Interior finish will be of pine with some hardwood. Art glass windows are specified. There will be a central heating system, probably furnace heat. Some marble work will also be used. The main auditorium will have ornamental plaster work. Exterior of the building will be covered with cement plaster on metal lath. Working drawings are practically complete and figures will be taken in the course of the next week or ten days.

Contracts Awarded.

OAKLAND, CAL.—Church, 1 story and base, frame, \$15,000. Architect, William A. Newman, David Hewes Bldg., S. F. Owners, 7th Church of Christ, Scientist. Contractor, Anthony & Heyer, Dalziel Bldg., Oakland, general construction only. Contract price, \$8,000. This contract does not include art glass, heating, interior decorating, or plaster. These contracts will be awarded later.

FACTORIES AND WAREHOUSES.

SAN FRANCISCO — Distributing plant, 3, 1 story, steel frame and concrete, \$25,000. Engineer, Engineering Department Shell Oil Co., 343 Sansome street, S. F. Owners, Shell Oil Co. Plans and specifications are rapidly being completed for the construction of a large steel frame garage building and for two pumping stations, all of which will be erected on the company's property on Army street in this city. Each of the buildings will have a complete steel frame with reinforced concrete walls. Exteriors will be faced with cement plaster. No interior finish is specified. Metal window sash and frames will be used. Bids will be called for within a few days.

SAN FRANCISCO—Factory, 2 story and base, frame, \$2,500. Architect, John A. Ettler, 604 Mission street, S. F. Owners, Hansen & Bain, 244 Townsend street, S. F. The building will be erected on the north side of Townsend street, east of 4th, having a frontage of 30 feet and a depth of 60 feet. No interior finish will be used. There will be a cement floor. A large amount of special machinery will be required. The exterior of the building will be covered with rustic. Plans are complete and figures are now being taken.

SAN FRANCISCO—Bakery addition and alteration, \$3,000. Architect, Thomas W. Lenzen, Humboldt Bank Bldg., S. F. Owners, Old Homestead Bakery. Extensive alterations and additions will be made to the office building of the Old Homestead Baking Co., located at the northwest corner of 19th and Shotwell streets. The work will include the construction of a one-story addition to the present building, the removal of the present interior partitions, the installation of new plumbing, plumbing fixtures, interior finish, painting and plaster. Plans for the work have been completed and figures are now being taken.

JACKSON, AMADOR CO., CAL.—Market and factory, 2 story and base. Class A construction, \$20,000. Architect, C. O. Clausen, Hearst Bldg., S. F. Owner's name withheld. The building will be of the Class A type throughout with a complete steel frame and reinforced concrete walls. The main floor, which will be 35 by 70 feet, will be arranged for a meat market. Upper floor will be used for a packing house. Floors and wainscot will be of tile. There will be steam heat and a large amount of special machinery. Exterior of the building will be faced with pressed brick. Plans are now being prepared.

FIREHOUSES AND JAILS

SAN FRANCISCO—Fire house fixtures, \$1,050. Architects, Ward & Blohme, Alaska Commercial Bldg., S.

F. Owners, City and County of San Francisco. The Roberts Manufacturing Co. presented the low bid at \$1,050 for furnishing the electric lighting system for engine house No. 12. Two other bids were received. A complete list of the figures will be found under the heading of San Francisco in this issue.

BAKERSFIELD, KERN CO., CAL.—Jail equipment. Cost not stated. Architect, O. L. Clark, Brower Bldg., Bakersfield. Owners, Kern County. Architect Clark has been authorized by the Board of Supervisors to prepare the necessary plans and specifications for the laundry and kitchen equipment for the new county jail. Bids will be called for on this work shortly.

FLATS

SAN FRANCISCO—Flats, 2 story and base, frame, \$3,500. Architect, none. Owner, L. Leveroni, 174 Lisbon street, S. F. The building will be erected on the west line of Excelsior south of Lisbon, covering an area of 25 by 61 feet. There will be a store on the first floor and two modern flats on the second floor. Interior finish will be of pine throughout. Hardwood floors will be used in the living and dining rooms. There will be an open fire place with tile or brick mantel. Bath rooms will have imitation tile wainscot. An automatic water heater will be installed. Exterior of the buildings will be covered with rustic and shiplap. Plans are complete and in the hands of the owner who will do the work by Day Labor.

BERKELEY, ALAMEDA CO., CAL.—Flats, 2 story and base, frame, \$4,500. Architect, F. Holberg Reimers, 2125 Shattuck avenue, Berkeley. Owner, Miss Frances O'Meara. The building will be erected on Rose street and has been designed to contain two modern flats of five and six rooms. Interiors will be finished in pine and elm panels. Hardwood floors will be used in the living and dining rooms. There will be open fire places and tile or brick mantels. Tile wainscot will be used in the bath rooms. Automatic water heaters will be installed. Exterior of the building will be covered with rustic. Plans are complete and figures are being taken.

GOVERNMENT WORK & SUPPLIES**Light-House Tender Cedar.**

The following bids were received by the light-house inspector, San Francisco, Cal., for constructing the steel light-house tender Cedar:

Mare Island Navy Yard, Cal., \$249,386; for omitting evaporating plant, etc., \$246,228.

Puget Sound Navy Yard, Bremerton, Wash., \$248,579; for omitting evaporating plant, etc., \$245,216.

Anderson Steamboat Co., Seattle, Wash., \$258,300; omitting evaporating plant, \$251,760.

Union Iron Works, San Francisco, Cal., \$285,250; omitting evaporating plant, \$282,070.

Craig Steamboat Co., Long Beach, Cal., \$234,500; omitting evaporating plant, \$231,200.

United Engineering Works, San Francisco, Cal., \$279,538.

A contract has been officially awarded to the Craig Steamboat Co. at \$234,500.

Pearl Harbor, H. T., Kitchen Equipment.

The following bids were received by the chief, bureau of yards and docks, Navy Department, Washington, D. C., for furnishing kitchen equipment at the naval hospital, Pearl Harbor, H. T.:

Item 1. Net price for work complete.

Item 1. Net price for work, complete. if an aluminum stock kettle be substituted for the cast iron stock kettle, etc.

Item 3. Amount to be added to net price under item 1 or item 2 if range specified in paragraphs 17 to 21, inclusive, be fitted with burners for use of heavy California oil instead of coal-burning grates.

Item 4. Amount to be deducted from net price under item 1 or item 2 if all labor for installation be omitted.

McCray Refrigerating Co., Kendallville, Ind., item 1, \$1,529 and \$1,379.

Mangrum & Otter, 561 Mission street, San Francisco, Cal., item 1, \$9,670; 2, \$9,670; 3, \$100; 4, \$500.

Excavation.

The Secretary of the Interior has awarded contract to the Green Construction Co., of Tooele, Utah, for division 7 of the Highline Canal, Strawberry irrigation project, Utah. The contract involves 8,000 cubic yards of excavation and 1,350 yards of concrete. The work is located near Payson City, on the San Pedro, Los Angeles & Salt Lake Railroad and the Tintic branch of the Denver and Rio Grande Railroad.

Robinson Point, Wash., Building.

The following bids were received by the light house inspector, Seventeenth district, Portland, Ore., for constructing a light and fog signal building at Robinson Point Light Station, Wash.:

Item 1, for steel stairway; 2, for concrete stairway.

Eckman & Mowatt, Seattle, Wash., item 1, \$6,550; 2, \$6,350.

Martin & Dugan, Seattle, Wash., item 1, \$6,484; 2, \$6,484.

Cripe & Busse, Portland, Ore., item 1, \$6,659.50; 2, \$6,910.

Warrack Construction Co., Seattle, Wash., item 1, \$5,800; 2, \$5,500.

J. L. Murphy & Sons, Seattle, Wash., item 1, \$8,336.75; 2, \$8,789.

H. E. Doering, Portland, Ore., item 1, \$7,178; 2, \$7,078.

Stebinger Bros., Portland, Ore., item 1, \$5,344; 2, \$4,844, accepted.

A. H. Davis Co., Seattle, Wash., item 1, \$5,550; 2, \$5,012.

Shepard, Cressman & Co., Seattle, Wash., item 1, \$7,772; 2, \$7,322.

Fleines & Dahl, Seattle, Wash., item 1, \$5,984; 2, \$5,584.

Booker, Kiehl & Whipple, Seattle, Wash., item 1, \$7,777; 2, \$8,363.

J. M. Clapp, Seattle, Wash., item 1, \$6,600; 2, \$6,200.

Fort Kamehameha, T. H., Building.

The forty-eight frame buildings advertised to be opened December 31 for Fort Kamehameha, T. H., are being constructed by purchase of material and hire of labor.

San Francisco Q. M. Circular 106.

The following bids were received and award made by the depot quartermaster, San Francisco, Cal., under office circular No. 106 for 163 field desks:

Newton H. Meyers, Jeffersonville, Ind., \$6.48 each, accepted.

The California Door Co., San Francisco, Cal., \$1,630 for the lot.

Headley & Farmer Co., Newark, N. J., \$6.85 and \$6.87 each.

Topham's, Washington, D., \$7.77 each.

G. Elias & Bros., Buffalo, N. Y., \$7.95 each.

Army Work Authorized.

The quartermaster general has directed the following work at army posts: Extension of bacteriological laboratory at the Letterman General Hospital, San Francisco, bids to be opened by the constructing quartermaster, Fort Mason, Cal.

Portland, Ore., Repairs and Painting.

The contract for repairs and painting at the old U. S. post office at Portland, Ore., has been awarded to C. C. Fitzhugh at \$1,049.

Pendleton, Ore., Post Office.

The contract for the construction complete, of the U. S. post office and court house at Pendleton, Ore., has been awarded to James S. Winters, Portland, Ore., as follows: Using Boise sandstone for all stonework, except where granite is required \$84,387; plus alternate 1 (using sandstone in lieu of brick facing below first floor level in lieu of ornamental terra cotta and in lieu of wood for the cornice, balustrade, etc.), \$7,800; plus alternate 2 (painting sheeting, etc., of remaining plaster surfaces throughout the building), \$500; plus alternate 3 (constructing the driveway of concrete in lieu of macadam), \$150; plus alternate 4 (using marble for the wainscot in public lobby in lieu of wood and for the wainscot in toilet rooms in lieu of cement and using terrazzo with marble-floor borders in lieu of cement finish for the floors of the public lobby and toilet rooms), \$3,000; plus alternate 5 (constructing elevator inclosure of cast iron and wired glass, etc., and lobby stairs with marble base), \$1,900; plus alternate 6 (furnishing the court room with furred ornamental ceiling, paneled walls, etc.), \$1,800; total, \$93,537; time, 18 months.

New Reclamation Offices.

Establishment of the executive offices of the reclamation service at Denver, Colo., with Sydney B. Williamson, chief of construction, in charge, has been announced by Secretary Lane. "Mr. Williamson will be the executive arm of the service in the field," said Secretary Lane. "All matters will go through him to the reclamation service here in Washington. Our office here will be retained with a reduced force, in charge, as at present, of the director and chief engineer, Mr. Davis, Chief Counsel King, and Comptroller Ryan, by whom all matters of policy will be determined. I have felt for a long time that we were too far removed from the projects themselves to have the work carried on with the greatest efficiency, the least friction, and the smallest expense."

SAN FRANCISCO — Electric work and fixtures. Cost not stated. Architect, William A. Newman, Post Office Bldg., S. F. Owners, United States Government. Bids will be received

within the next two weeks for electric wiring, which is to be installed in the U. S. Mint on the corner of Mission and 5th streets. Plans are on file at the architect's office, to which bidders are referred.

HALLS AND SOCIETY BUILDINGS

OAKLAND, CAL. — Lodge hall, 3 story and base, frame, \$20,000. Architect, Frederick H. Soderberg, Union Bank of Savings Bldg., Oakland. Owners, Swedish Hall Association. This building has been mentioned here a number of times before. Working drawings have been completed and figures are now being taken. The building will be erected on the west side of Telegraph avenue, south of 23rd street. There will be a library, a number of lodge rooms, social hall and banquet rooms. Officers of the association will also be provided for. Interior finish will be of pine with some hardwood veneer. Hardwood floors will be used in the ball room, library and lodge hall. There will be a central heating system and open fire place. Mantel will be of brick. Exterior of the building will be faced with cement plaster on metal lath. Plans can be secured from the architect.

PORTLAND, ORE.—Municipal auditorium, 3 story and base. Class A construction, \$500,000. Architects, Freedlander & Seymore, New York. Owners, City of Portland. Architects Whitehouse & Foulhoux, Wilcox Bldg., Portland, have been selected to represent the New York architects for the actual construction of the new Municipal Auditorium. Preliminary sketches for the building have been completed and the New York architects are now at work on the finish drawings. These will be forwarded to Portland in the course of the next two or three weeks, when figures will be taken and the first of the contracts for the building will be let. The city officials intend to have the building under construction within the course of two or three months. All work will be handled through the offices of the Portland architects above mentioned.

HOSPITALS

OAKLAND, CAL.—Infirmary group, 1, 2 and 4 story. Class A buildings, \$1,000,000. Architect, Charles Peter Weeks, Mutual Bank Bldg., S. F. Owners, Alameda County. The Alameda County Supervisors have issued a call for bids for the excavating and foundation work on the men's and women's dormitory and day hall buildings. This is the first unit of the new million-dollar infirmary designed by Architect Charles Peter Weeks. Plans can be secured at his office.

FRESNO, FRESNO CO., CAL.—Hospital repairs. Cost not stated. Architect, none. Owners, Fresno County. Bids will be opened on May 26th by the Board of Supervisors for painting, tinting etc., at the Fresno County Hospital. Plans can be secured from the County Clerk.

HOTELS

SAN FRANCISCO—Hotel, 12 story and base. Class A construction, \$85,000. Architects, Rousseau & Rousseau, 110 Sutter street, S. F. Owner, Joseph

Herrscher, 429 Front street, S. F. The building will be designed for a bachelor hotel and will be erected on the south side of Geary street west of Powell. The lot has a frontage of 25 feet and a depth of 105 feet. The building will contain in the neighborhood of 85 rooms, with 100 per cent baths. Besides the office the ground floor will contain a grill room, restaurant and bar. Interior finish will be of pine and hardwood. The bath rooms will be finished in tile, and equipped with high grade plumbing fixtures. There will be a complete steel frame with exterior walls of brick faced with pressed brick and terra cotta. Plans provide for elevator service, a complete oil burning equipment, vacuum cleaning and hot water supply. A complete telephone system will be installed. Metal window sash and frames are specified. Plans will be completed shortly and the owner will let all contracts. Further mention will be made of the work.

BIG CREEK, KINGS CO., CAL.—Hotel, 2 story and base, frame, \$25,000. Architect, J. Carl Thayer, Fresno. Owners, San Joaquin and Eastern Railroad Co., Fresno. The building will be erected in Big Creek and has been designed for a resort. There will be an office, dining room, lobby and amusement room on the first floor. Upper floors will contain 25 guest rooms and several baths. The building has been designed in the rustic style and will be covered with shakes and shingles. There will be a central heating system, modern plumbing, and electric lights. Plans are now being prepared.

SAN FRANCISCO—Hotel, 5 story and base. Class C construction, \$65,000. Architects, Rousseau & Rousseau, Monadnock Bldg., S. F. Owners, Gerard Investment Co. The building will be erected on the east side of 4th street north of Howard, having a frontage of 44 feet and a depth of 100 feet, with a L 15 by 25 feet. Plans provide for a total of 84 guest rooms and a number of baths. The ground floor has been arranged for the lobby, office and two stores. Interior finish will be of pine and redwood with some hardwood veneer. Hardwood floors will be used in the lobby, office and halls. Plans provide for steam heat, an automatic elevator and hot water system. Patent store fronts will be installed. Bath rooms will be finished in tile. Exterior of the building will be faced with pressed brick trimmed with terra cotta. Plans are being prepared.

LIBRARIES.

BERKELEY, ALAMEDA CO., CAL.—Library, 2 story and base, brick, \$10,000. Architect, W. H. Ratcliff, Jr., First National Bank Bldg., Berkeley. Owners, City of Berkeley. Nineteen figures were submitted to the Berkeley City Council on May 11th for the construction of a new building to be erected on San Pablo and University avenues. Alfred Olson submitted the lowest bid at \$7,630. All bids have been taken under advisement. Further mention of the work will be made when an award is made. A complete list of the bids submitted will be found under the heading of Oakland and Alameda County in this issue.

RESIDENCES.

SAN FRANCISCO — Residence, 1½ story and base, frame, \$3,000. Architect, O. R. Thayer, 20 Montgomery street, S. F. Owner, M. McCann. The building will be erected on the south side of Judah street east of 11th avenue, and has been designed to contain six rooms, bath and sleeping porch. Interior finish will be of pine with some hardwood veneer. White enamel will be used in the bed rooms. There will be an open fire place with tile or brick mantel. Bath room will be finished in tile. An automatic water heater is specified. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are complete and segregated figures are being taken. The same architect also has plans out for figures for a two-story dwelling, which is to be erected at the southeast corner of 11th avenue and Judah streets for the same owner.

SAN FRANCISCO — Residence, 1 story and base, frame, \$2,000. Architect, J. A. Porporato, 619 Washington street, S. F. Owner's name withheld. The dwelling will be erected on the east side of Eureka street near 18th street, and has been designed to contain five rooms. Interior will be finished in pine and redwood. There will be an open fire place with tile or brick mantel. Bath room will have imitation tile wainscot. Exterior of the house will be covered with rustic and shiplap. Plans are complete and figures are now being taken.

SAN FRANCISCO — Residence, 2 story and base, frame, \$3,000. Architect, none. Owner, A. T. Morris, 501 11th avenue, S. F. The dwelling will be erected on the west side of 11th avenue south of Balboa street, and has been designed to contain six rooms. The basement will be arranged for a garage. Interior of the house will be finished in pine and redwood with some elm panels. Hardwood floors will be used in the living room, dining room and reception hall. There will be a large open fire place in the living room with tile or brick mantel. Bath rooms will be finished in tile. An automatic water heater is specified. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor. Materials are now being purchased.

FRESNO, FRESNO CO., CAL.—Cottage, 1 story and base, frame, \$1,500. Architect, none. Owner, Ole Synoground. The dwelling will be erected in Fresno Heights, and has been designed for a five room house with bath. Interior finish will be of pine. There will be an open fire place with a tile or brick mantel. Imitation tile wainscot will be used in the bath room. Exterior of the house will be covered with rustic and shingles. Plans are complete and in the hands of the owner who will do the work by Day Labor.

SACRAMENTO, CAL.—Residence, 2 story and base, frame, \$3,500. Architect, P. J. Herold, Forum Bldg., Sacramento. Owner, George L. Baxter. The house has been designed for a seven-room dwelling with bath and sleeping porch. Interior finish will be of pine with some hardwood veneer. White enamel will be used in the bed

rooms. Hardwood floors will be used in the living room, dining room and reception hall. There will be open fire places and tile or brick mantels. Bath rooms will be finished in tile. An automatic water heater will be installed. Exterior of the dwelling will be covered with shingles. Plans are complete and figures are being taken by the architect.

SACRAMENTO, CAL.—Residence, 1 story and base, frame, \$2,500. Architect, none. Owner, Joseph Edenhofer, 3011 Cypress avenue, Sacramento. The dwelling will be erected on I street, and has been designed for a six-room house with bath and sleeping porch. Interior finish will be of pine and redwood. Some hardwood floors will be used. There will be furnace heat and open fire places. Mantels will be of tile or brick. Imitation tile wainscot will be used in the bath room. An automatic water heater will be installed. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor.

SAN FRANCISCO — Residence, 2 story and base, frame, \$4,000. Architect, Arthur J. Laib, Russ Bldg., S. F. Owner, Mrs. E. F. Henning, 789 10th avenue. The dwelling will be erected on the west line of 11th avenue south of Cabrillo, and has been designed to contain a store on the first floor beside a living room. Interior finish will be of pine and redwood with some hardwood veneer. Hardwood floors will be used in the living room and dining room. There will be an open fire place with tile or brick mantel. Tile wainscot will be used in the bath room. An automatic water heater will be installed. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are complete and figures will be called for at once.

BERKELEY, ALAMEDA CO., CAL.—Residences, 3, 2 story and base, frame, \$11,500. Architect, A. W. Cornelius, National Bank Bldg., S. F. Owner, S. W. Waterhouse, 474 First street, San Jose. Contractor, L. A. Rose, 549 Monadnock Bldg., San Francisco, is A. Rose, 549 Monadnock Bldg., S. F., is superintending the construction of three modern residences at the corner of Oakvale and Claremont streets. Each of the houses has been designed to contain seven rooms with bath and sleeping porch. Interior finish will be of pine and hardwood. Hardwood floors are specified. There will be furnace heat and open fire places. Mantels will be of tile or brick. Tile wainscot will be used in the bath rooms. Automatic water heaters are specified. Exterior of the dwellings will be covered with cement plaster on metal lath. Mr. Rose is now taking subfigures on all parts of the work.

OAKLAND, CAL.—Residence, 2 story and base, frame, \$15,000. Architect, Edward T. Foulkes, Crocker Bldg., S. F. Owner, Leland S. Scott. The dwelling will be erected in Crocker Highlands, and has been designed for a ten-room house with several baths and sleeping porch. Interior finish will be of pine and hardwood with white enamel in the bed rooms. Hardwood floors will be used in the principal rooms. There will be a central heating system, either furnace heat or hot water system. A hot water circulating system

will also be installed. There will be open fire places with tile or brick mantels. Bath rooms will be finished in tile. A garage will be erected in the rear of the property. Exterior of both the dwelling and garage will be covered with cement plaster on metal lath. Plans are complete and figures are being taken.

SCHOOLS.

PANAMA SCHOOL DISTRICT, KERN CO., CAL.—School, 1 story and base, frame. Cost not stated. Architect, Thomas B. Wiseman, 1933 Chester avenue, Bakersfield. Owners, Panama School District. Plans are complete and figures are now being taken for the construction of a three-room school building to be erected in this district. Interior will be finished in pine. Maple floors will be used in the class rooms. No heating is specified. Exterior of the building will be faced with cement plaster. Plans can be secured from the architect. Bids will be opened on May 25th at 1.00 p. m.

DALY CITY, SAN MATEO CO., CAL.—School, 2 story and base, frame, \$25,000. Architects, Thomas Edwards and Ernest Norberg, Bank Bldg., Burlingame. Owners, Daly City School District. Preliminary plans for a two-story, eight class room building have been submitted to the Board of Education and have met with their approval. Beside the class rooms the building has been designed to contain an assembly hall, library and principal's office. Interior finish will be of pine throughout. Maple floors will be used in the class rooms. A central heating system is specified, probably furnace heat, with oil burning system. Modern school plumbing, program clocks and vacuum cleaning will be installed. The exterior of the building will be faced with cement plaster. Further mention will be made of the work when bids are called for.

REEDLEY, FRESNO CO., CAL.—School, 1 story and base, frame, \$7,000. Architect, Ernest J. Kump, Rowell Bldg., Fresno. Owners, Alta School District. The building has been designed to contain three class rooms, office and assembly hall. Interior will be finished in pine. Maple floors will be used in the class rooms. There will be furnace heat and modern school plumbing. Exterior will be covered with cement plaster on metal lath. Plans are complete and figures are being taken.

ORANGE COVE, FRESNO CO., CAL.—School, 1 story and base, hollow tile \$8,000. Architects, Bowen & Davis, McKenzie Bldg., Fresno. Owners, Orange Cove School District. The building will contain four class rooms and principal's office. Interior finish will be of pine with maple floors. There will be a central heating system and modern school plumbing. Exterior of the building will be faced with cement plaster. Plans are now being prepared.

LOS ANGELES, CAL.—School, 2 story and base, brick, \$20,000. Architects, Frank R. Schaefer and E. R. Jeffery, associated, Wesley Roberts Bldg., L. A. Owners, Annadale School District. The building has been designed to contain eight class rooms and an assembly hall. Interior will be finished in pine throughout. Maple

floors will be used in the class rooms. There will be a central heating system, oil burning furnace and modern school plumbing. Exterior of the building will be faced with pressed brick. Plans are now being prepared.

LOS ANGELES, CAL.—School, 2 story and base, brick, \$45,000. Architects, A. R. Walker and J. T. Vawter, Hibernian Bldg., L. A. Owners, City of Los Angeles. The building will be erected on property at the corner of South Park and Manchester streets, and has been designed to contain eight class rooms, assembly hall and office. Interior finish will be of pine. Maple floors will be used. There will be a central heating system, oil burning furnace, vacuum cleaning and program clocks. Exterior of the building will be faced with pressed brick. Plans are now being prepared.

LOS ANGELES, CAL.—School, 2 story and base, brick, \$20,000. Architects, Montgomery & Montgomery, Trust and Savings Bank Bldg., L. A. Owners, City of Los Angeles. The building will be erected on Buchanan street near 50th avenue, and will cover an area of 120 by 50 feet. There will be five class rooms and departments for domestic science and manual training. Interior will be finished in pine throughout. Maple floors will be used in the class rooms. Exterior of the building will be faced with pressed brick. Plans are complete and figures are being taken. Bids will be opened on May 20th.

LOS ANGELES, CAL.—School, 2 story and base, brick and hollow tile, \$70,000. Architects, Dennis & Hewitt, Fay Bldg., L. A. Owners, City of Los Angeles. The building will be erected in the Owensmouth District, and will cover an area of 230 by 63 feet. There will be twelve standard sized class rooms, library, lecture room and departments for manual training and domestic science. Interior will be finished in pine with maple floors. Plans provide for a central heating system, program clocks and vacuum cleaning. Exterior of the building will be faced with pressed brick or cement plaster. Plans are complete and figures are being taken. Separate bids are called for on the general construction, plumbing, heating and ventilating and the painting. Plans can be secured from the architects.

Contracts Awarded.

SHAFTER, KERN CO., CAL.—School, 1 story and base, frame, \$7,480. Architect, J. M. Saffel, Producer' Bank Bldg., Bakersfield. Owners, Richland School District. Contractor, F. H. De Quinn, Shafter. Contract price, \$7,480.

BAKERSFIELD, KERN CO., CAL.—Lighting system, \$1,145.75. Architect, O. L. Clark, Brower Bldg., Bakersfield. Owners, City of Bakersfield. Contractor, Kern Valley Electric Co., Bakersfield. Contract price \$1,100.

LOS ANGELES, CAL.—School, 2 story and base, brick, \$35,483. Architects, Edelman & Barnett, Black Bldg., L. A. Owners, City of Los Angeles. Contractors, Irving & Dow, American Bank Bldg., L. A. Contract price, \$35,483.

LANCASTER, LOS ANGELES CO., CAL.—School, 2 story and base, reinforced concrete, \$24,903. Architect, E. L. Hopkins, Bryne Bldg., L. A. Own-

ers, Antelope Valley Union School District. Contractors, Mann & Knox Construction Co., Delta Bldg., L. A. Contract price, \$24,903.

WHITTIER, LOS ANGELES CO., CAL.—School, 1 story and base, hollow tile, \$22,740. Architects, Tuttle & Angel, Delta Bldg., L. A. Owners, Whittier School District. Contractors, Lepper & Laisy, Builders' Exchange, L. A. Contract price, \$22,740.

LOS ANGELES, CAL.—School, 2 story and base, frame and plaster, \$22,000. Architects, George F. Costerisan and J. F. Kavanaugh, California Bldg., L. A. Owners, Girls' Collegiate School. Contractor, A. S. Barnes, California Bldg., L. A. Contract price, \$22,000.

DELANO, KERN CO., CAL.—School, 1 story and base, brick, \$20,695. Architect, J. M. Saffel, Fiske Bldg., Bakersfield. Owners, Delano School District. Contractor, C. H. Brown, Bakersfield. Contract price, \$20,695.

SEWERS, STREET WORK & WATER SYSTEMS.

SAN JOSE, SANTA CLARA CO., CAL.—Sewer repairs. Cost not stated. Engineer, City Engineer, San Jose. Owners, City of San Jose. At the last meeting of the City Council the City Engineer was instructed to prepare plans and specifications for the repairing of the city's outfall sewer. Bids on this work will be called for on the completion and adoption of the plans.

SAN JOSE, SANTA CLARA CO., CAL.—Road construction and repairs, \$5,000. Engineer, County Surveyor, San Jose. Owners, Santa Clara County. The County Supervisors have adopted plans and specifications prepared by the County Surveyor for the repair and construction of five and one-half miles of the San Jose and Alviso road, and the County Clerk has been directed to advertise for bids on this work to be received up to 11 a. m., June 7th. Plans and specifications for the work may be obtained from the County Surveyor at San Jose.

SALINAS, MONTEREY CO., CAL.—Road improvement. Cost not stated. Engineer, County Surveyor, Salinas. Owners, Monterey County. Plans have been completed and figures are now being taken for the improvement of the Salinas-Monterey road from the limits of the town of Salinas to the north end of the Hilltown bridge. Bids for this work will be opened on June 8th. Plans and specifications can be secured from the County Clerk at Salinas.

SALINAS, MONTEREY CO., CAL.—Road improvement. Cost not stated. Engineer, County Surveyor, Salinas. Owners, Monterey County. Plans are complete and figures are now being taken for the improvement of the Salinas-Watsonville road near Watsonville Junction. Bids will be opened on June 8th. Plans and specifications can be secured from the County Clerk at Salinas.

SACRAMENTO, CAL.—Screen sewer system. Cost not stated. Engineer, City Engineer, Sacramento. Owners, City of Sacramento. Plans for the screen sewer system to be constructed in this city at the sewer pumping station on the Riverside road will soon be submitted to the State Board of

Health for formal approval. On approval of the plans bids on the work will be advertised for. A screen sewer will also be constructed at the old pumping station in this city, according to reports received.

AUBURN, PLACER CO., CAL.—Road construction. Cost not stated. Engineer, State Highway Commission, Forum Bldg., Sacramento. Owners, State of California. Construction of a concrete State Highway lateral from Roseville to Auburn, completion of the trunk line in Placer County, and immediate building of the Bear River bridge at the expense of Placer County were decided upon at a recent meeting held by the Supervisors with the State Highway Commission in Sacramento. Bids for this work will be advertised for within three months.

STOCKTON, SAN JOAQUIN CO., CAL.—Highway improvement. Cost not stated. Engineer, County Surveyor, Stockton. Owners, San Joaquin County. Bids will be received until May 27th for the improvement of Cherokee Lane for a total distance of 2,340 feet. Plans and specifications can be secured from the County Clerk.

SACRAMENTO, CAL.—Sewer construction. Cost not stated. Engineer, City Engineer, Sacramento. Owners, City of Sacramento. Bids will be received until May 25th for construction of Unit No. 1 of the trunk line sewer. Included in the work is the following approximate quantities: 2,864 linear feet of 60-inch reinforced concrete sewer, monolithic or jointed pipe; 284 linear feet of 57-inch, same; 2,087 linear feet of 59-inch, same; 1,373 linear feet of 27-inch, same; 863 linear feet of 24-inch vitrified pipe sewer; 3 reinforced concrete junction chambers; 11 concrete manholes, 4-foot inside diameter; 8 concrete manholes, 3-foot inside diameter. Plans and specifications can be secured from the engineer.

STOCKTON, SAN JOAQUIN CO., CAL.—Wharf paving. Cost not stated. Engineer, City Engineer, Stockton. Owners, City of Stockton. Bids will be received until May 25th for paving certain portions of the wharf space on the south side of the Stockton Channel. Plans can be secured from the office of the City Engineer.

SAUSALITO, MARIN CO., CAL.—Sewer construction. Cost not stated. Engineer, City Engineer, Sausalito. Owners, Town of Sausalito. A resolution of intention to construct a sewer in Water street, from Richardson to North street; and in North street from Water street to Josephine avenue, and Richardson from Water street to Second street, has been passed by the City Trustees. Bids on this work will soon be called for.

PASO ROBLES, SAN LUIS OBISPO CO., CAL.—Sewer construction. Cost not stated. Engineer, City Engineer, Paso Robles. Owners, City of Paso Robles. Two petitions, asking that a sewer be constructed in Pine street, have been acted upon by the City Council. The City Engineer has been instructed to make preliminary surveys for the work.

Contracts Awarded.

SACRAMENTO, CAL.—Street paving. Cost not stated. Engineer, City Engineer, Sacramento. Owners, City of Sacramento. Contractors, Clark & Henry, Ochsner Bldg., Sacramento,

contract for paving 17th street from R to Y. McGillivray Construction Co., Nicolaus Bldg., Sacramento, contract for paving E street. Contract prices not given.

STOCKTON, SAN JOAQUIN CO., CAL.—Highway construction, \$65,000. Engineer, County Surveyor, Stockton. Owners, San Joaquin County. Contractors, C. Moreing & Sons, Stockton. Contract price, \$65,000.

REDWOOD CITY, SAN MATEO CO., CAL.—County road improvement. Cost as follow. Engineer, County Surveyor, Redwood City. Owners, San Mateo County. Contractor, T. C. Rice, Redwood City. Contract price, grading, 50c per cubic yard; filling, 85c per cubic yard; sidewalks, 13½c per square foot, and curbs, 40c per lineal foot.

SAN JOSE, SANTA CLARA CO., CAL.—Street paving. Cost not stated. Engineer, City Engineer, San Jose. Contractor, W. J. Jessup, San Jose. Contract price not stated.

RICHMOND, CONTRA COSTA CO., CAL.—Street improvement, \$18,023.08. Engineer, City Engineer, Richmond. Owners, City of Richmond. Contractor, George W. Cushing, Richmond. Contract price, \$18,023.08.

RIVERSIDE, RIVERSIDE CO., CAL.—Drainage system, \$28,381.10. Engineer, City Engineer, Riverside. Owners, City of Riverside. Contractors, Mlagenovich & Gillespie, Los Angeles. Contract price, \$28,381.10.

STORES AND OFFICES.

SAN FRANCISCO—Stores, 1 story and base. Class C construction. Cost not stated. Architect, Phillip Schwerdt, 726 Clement street, S. F. Owner, Clara Schmall, represented by H. W. Swergert, Redwood City. The building will be erected on the southeast corner of Sixth and Mission streets, and will have a frontage of 75 feet on Mission street by 80 feet on 6th. Plans provide for a number of small stores. Interior finish will be of pine. There will be patent store fronts with large plate glass display windows. Modern plumbing and electric work will be installed. Exterior of the building will be faced with pressed brick. Plans are complete and figures are now being taken.

THEATRES.

OAKLAND, CAL.—Theatre, 1 story and base, brick and concrete, \$12,000. Architect's name not given. Owner, D. Dwyer, 4086 Piedmont avenue, Oakland. The building will be erected at the southwest corner of Piedmont avenue and 41st street. The main body of the theatre will seat 400 people. Interior will be finished in pine and ornamental plaster. Special electric work will be installed. There will be a modern system of ventilation. Exterior of the building will be covered with cement plaster. Plans are complete and in the hands of the owner who will do the work by Day Labor.

SEALED PROPOSALS

PROPOSALS FOR CANAL SUPPLIES.

PANAMA CIRCULAR 925—Proposals for Cement Roofing Tile.—Sealed proposals will be received at the office of the general purchasing officer, the Panama Canal, Washington, D. C., until 10:30 a. m. May 28, 1915, at which time they will be opened in public for

furnishing or furnishing and erecting the above mentioned material. Blanks and general information relating to this circular (No. 925) may be obtained from this office or the office of the assistant purchasing agent, 1086 North Point street, San Francisco, Cal.; also from the U. S. Engineer offices in the following cities: Seattle, Wash.; Los Angeles, Cal. F. C. BOGGS, Major, Corps Engineers, U. S. A., general purchasing officer.

PROPOSALS FOR CANAL SUPPLIES.

PANAMA CIRCULAR 924—Proposals for Ice and Refrigerating Plant, Motor-Driven Lathes, Drill Presses, Shapers and Sensitive Drills, Galvanized Ridge Roll, Wire Lath, Rivets, Bolts, Nuts, Washers, Nails, Sheet Brass, Valves, Compression Grease Cups, Oil Cups, Rubber Bands, Rulers, Manila Tags, Zinc Sulphate, Lumber and Switch Ties.—Sealed proposals will be received at the office of the general purchasing officer, the Panama Canal, Washington, D. C., until 10:30 a. m. May 27, 1915, at which time they will be opened in public for furnishing the above mentioned articles. Blanks and general information relating to this circular (No. 924) may be obtained from this office or the office of the assistant purchasing agent, 1086 North Point street, San Francisco, Cal.; also from the U. S. Engineer offices in the following cities: Seattle, Wash.; Los Angeles, Cal. F. C. BOGGS, Major, Corps Engineers, U. S. A., general purchasing officer.

PROPOSALS FOR CEMENT.

CEMENT—Department of the Interior, U. S. Reclamation Service, Washington, D. C.—Sealed proposals will be received at the office of the U. S. Reclamation Service, 408 Commonwealth Building, Denver, Colo., until 10 o'clock a. m. May 25, 1915, for furnishing 150,000 barrels of Portland cement, f. o. b. cars at the works of the bidder. For particulars address the U. S. Reclamation Service, Washington, D. C., or 408 Commonwealth Building, Denver, Colo. A. P. DAVIS, chief engineer.

PROPOSALS FOR LIGHT FIXTURES.

LIGHT FIXTURES—Sealed proposals, endorsed "Proposals for Electric Light Fixtures," will be received at the bureau of yards and docks, Navy Department, Washington, D. C., until 11 o'clock a. m. June 5, 1915, and then there publicly opened, for electric light fixtures for the naval hospital building, Naval Station, Pearl Harbor, Hawaii. Plans and specifications may be obtained on application to the bureau or to the commandant of the Naval Station Honolulu, Hawaii. H. R. STANFORD chief of bureau.

STATE OF CALIFORNIA.

DEPARTMENT OF ENGINEERING.

CALIFORNIA HIGHWAY COMMISSION

NOTICE TO CONTRACTORS.

SEALED PROPOSALS will be received at the office of the California Highway Commission, 515 Forum Building, Sacramento, Cal., until 2 o'clock P. M. on June 1, 1915, at which time they will be publicly opened and read for construction in accordance with the specifications therefor, to which special reference is made, portions of State highway as follows:

Humboldt County from Jordan Creek to Rio Dell (I-Hum-1-E), about 6.9 miles in length, to be graded.

Colusa County from Colusa Junction to the Northerly Boundary (III-Col-7-C), about 10.6 miles in length, to be paved with Portland cement concrete.

Monterey County from Chualar to Salinas (V-Mon-2-F), about 19.3 miles in length, 4.7 miles of which is to be paved with Portland cement concrete.

Tulare County from Westerly Boundary to the Southern Pacific Railroad (VI-Tul-9-A), about 5.9 miles in

length, to be paved with Portland cement concrete.

Plans may be seen, and forms of proposals, bonds, contract, and specifications may be obtained, at the said office, and they may be seen at the office of the Division Engineers at Los Angeles and San Francisco, and at the office of the Division Engineer of the division in which the work is situated. The Division Engineers offices are located at Willits, Dunsmuir, Sacramento, San Francisco, San Luis Obispo, Fresno, and Los Angeles.

No bid will be received unless it is made on a blank form furnished by the Commission. The special attention of prospective bidders is called to the "Notice to Contractors" annexed to the blank form of proposal, for full directions as to bidding, quantities of work to be done, etc.

The Department of Engineering reserves the right to reject any or all bids or to accept the bid deemed for the best interests of the State.

CHARLES D. BLANEY,
NEWELL D. DARLINGTON,
CHARLES F. STERN,
California Highway Commission.
AUSTIN B. FLETCHER,
Highway Engineer.
WILSON R. ELLIS,
Secretary. (*)

Dated: May 4, 1915.

PROPOSALS FOR CANAL SUPPLIES.

PANAMA CIRCULAR 923—Proposals for Dynamite, Safety Fuse, Blasting Caps, Detonators, Motor-Driven Fire and Sewer Pumps, Cast-Iron Pipe and Fittings, Steel Cable, Boat Spikes, Track Spikes, Nails, Screws, Babbitt Metal, Sheet Brass, Bronze Bars, Copper Bars, Brass Tubing, Copper Tubing, Sheet Lead, Lead Pipe, Solder, Valves, Cocks, Water Gages, Door Checks, Door Bolts, Hinges, Turn-Buckles, Tackle Blocks, Coal Shovels, Ammeters, Voltmeters, Doubletrees, Drain Boards, Manila Rope, Leather, Rubber Bands, and Paper.—Sealed proposals will be received at the office of the general purchasing officer, the Panama Canal, Washington, D. C., until 10:30 a. m. May 20, 1915, at which time they will be opened in public for furnishing the above mentioned articles. Blanks and general information relating to this circular (No. 923) may be obtained from this office or the office of the assistant purchasing agent, 1086 North Point street, San Francisco, Cal.; also from the U. S. engineer offices in the following cities: Seattle, Wash.; Los Angeles, Cal. F. C. BOGGS, Major, Corps of Engineers, U. S. A., general purchasing officer.

PROPOSALS FOR BUILDING.

BUILDING—Department of the Interior, Office of Indian Affairs, Washington, D. C.—Sealed proposals, plainly marked on the outside of the sealed envelope "Proposals for Constructing Two Brick Cottage Dormitories, Pueblo Bonito School, New Mexico," addressed to the Commissioner of Indian Affairs, Washington, D. C., will be received in the Indian Office until 2 o'clock p. m. May 25, 1915, for furnishing material and labor for the erection of two brick cottage dormitories at the Pueblo Bonito School, New Mexico, in strict accordance with the plans, specifications, and instructions to bidders, which may be examined at this office, United States Indian warehouses at Chicago, Ill., and St. Louis, Mo.; the Builders and Traders Exchange, St. Paul, Minn., and at the Pueblo Bonito School, New Mexico. For further information apply to the superintendent of Pueblo Bonito School, Crownpoint, N. Mex. CATO SELLS, commissioner.

PROPOSALS FOR BUILDING.

BUILDING—Sealed proposals, endorsed "Proposals for Torpedo Storehouse," will be received at the bureau of yards and docks, Navy Department, Washington, D. C., until 11 o'clock a. m. May 20, 1915, and then there publicly opened, for a fireproof torpedo storehouse at the naval torpedo station, Keyport, Puget Sound, Wash. Plans and specifications may be ob-

tained on application to the bureau or to the commandant of the navy yard, Bremerton, Wash. H. R. STANFORD, Chief of Bureau.

NOTICE TO CONTRACTORS.

OFFICE of Constructing Quartermaster, Fort Mason, Cal., April 19, 1915.—Sealed proposals, in triplicate, for constructing a Storehouse for Combustibles and a Garage for Motor Ambulances at Letterman General Hospital, Presidio of San Francisco, Cal., will be received here until 11 A. M. May 19, 1915, and then opened. Plans, specifications, blanks and necessary information obtained here. Deposit of \$10.00 each required to insure return of plans, etc. Envelopes containing proposals to be enclosed in sealed envelopes and marked Lt. Col. Geo. McK. Williamson, Q. M. C.

PROPOSALS FOR CANAL SUPPLIES.

CANAL CIRCULAR 924—Office General Purchasing Officer, Panama Canal, Washington, D. C.—Sealed proposals will be received here until May 22 under circular 924 for furnishing: 72 brass cuspidors, 450 manhole asbestos gaskets, 185 double-thick window glass, 1,100 feet rubber suction hose, complete, with couplings; 1,000 feet rubber water hose, complete, with couplings; 100 cases toilet paper, in rolls; 100 perforated chair seats, 150 pounds large sponges, 400 feet double leather belting; 72 calcimine brushes, 1,800 flat paint brushes, 400 hand scrub brushes, 288 flat bristle varnish brushes, 10,000 pounds calcium carbide, 50 gross metalworkers' crayons, 500 large garbage cans, 3,000 yards No. 3 44 inches wide duck canvas, 6,000 feet wire-wound rubber steam hose, 6,000 feet rubber-lined canvas fire hose, 1,500 pieces flat magnesia boiler lagging, 1,000 feet wire-wound rubber air hose, 90 galvanized-iron water coolers, 1,200 white vitrified china coffee cups, 2,400 coffee saucers, 6 steel cake grids, 20 barrels Stockholm tar, 300 pounds rubber packing, pure gum, 500 pounds rubber sheet packing, wire insertion, 450 pounds square braided flax packing, 350 pounds square spiral steam packing, 300 glass iced-tea pitchers, 250 rolls galvanized-wire poultry netting, 15,000 pounds soap polish, 2,000 pounds tarred marline, 3,000 pounds metal polish, and 300 gallons lard oil, in 5-gallon tins. For further information address F. C. BOGGS, Major, Corps of Engineers, U. S. A., general purchasing officer.

NEW FEDERAL EMPLOYMENT OFFICES.

The Department of Labor, through the Division of Information of the Bureau of Immigration, has recently established distribution branches throughout the country for the purpose of assisting wage earners in the United States in securing profitable employment, and also to aid employers to secure the help needed to carry on their business. Application blanks have been prepared by the Department of Labor, and copies may be obtained at the branch offices of the Bureau of Foreign and Domestic Commerce, which are located in eight of the leading cities of the United States. San Francisco Branch, Customhouse.

NEW GOVERNMENT PUBLICATIONS.

The Superintendent of Documents, Washington, D. C., announces that he has for sale, at the nominal prices affixed, the following recent publications of various departments of the United States Government which relate to business affairs:

Farm Buildings; modern conveniences

for farm home; Department of Agriculture Bulletin 270; price, 5 cents.

Fertilizers; commercial fertilizers, composition and use; Departments of Agriculture Bulletin 44; price, 5 cents.

Lumber; Japanese markets for American lumber; B. of F. and D. C. special agents' series 94; price 5 cents.

Dielectrics; insulating properties of solid dielectrics; Bureau of Standards' scientific paper 234; price 15 cents.

Electric wire and cable terminology; Bureau of Standards' circular 37; price, 5 cents.

Vibration Electrometer; Bureau of Standards' scientific paper 239; price, 10 cents.

Melting points of chemical elements, and other standard temperatures; Bureau of Standards' circular 36; price, 5 cents.

Radiation; emissivity of metals and oxides; (2) measurements with micro-pyrometer; Bureau of Standards' scientific paper 242; price, 5 cents. Same (3); total emissivity of platinum and relation between total emissivity and resistivity; scientific paper 243; price, 5 cents.

Copper; smelting of copper ores in electric furnaces; Bureau of Mines Bulletin 81; price, 10 cents.

DISTANCES SAVED BY PANAMA CANAL.

[Panama Canal Record April 7.]

From Colon, on the Atlantic side of the Isthmus of Panama, to Balboa, on the Pacific side, the distance by water around South America is 10,500 nautical miles; through the canal that distance is less than 44 miles. The difference in length of these routes, 10,456 miles, represents the maximum distance that can be saved to a vessel by use of the canal.

This maximum is more interesting geographically than commercially, because vessels bound for the Pacific coast by way of the Straits of Megellan would not skirt the entire Atlantic coast of South America, but would strike across the Carib-bean, if from the United States, or the central Atlantic, if from Europe, and proceed by the most direct route consistent with commercial advantage. What counts in the commercial value of the canal is not the distance that could be saved, but the distances that are saved by vessels substituting the canal route for the earlier around-the-continent route in regular trade. Following are some of the savings on great trade routes between important areas:

New York to San Francisco—Coast-Wise Trade.

New York, for instance, is nearer to San Francisco, through the use of the canal, by 7,873 nautical miles. The distance of 13,135 miles by Magellan has been reduced to 5,262 miles by the canal. The water distance between these ports is two-fifths what it used to be. Compared in terms of the overland route between these cities, it is about as if a man who wished to travel from New York to San Francisco were magically transported in an instant to Denver, Colo., there to begin his railroad trip. Three-fifths of the way would be saved before he started.

So far in the use of the canal over 40 per cent of the vessels that have

passed through it have been engaged in the coastwise trade of the United States, each of them saving about 7,500 miles per trip. If their mean speed be taken at 10 knots, they have averaged a saving of over a month at sea on each voyage from coast to coast. Where formerly the round trip of a 10-knot vessel required about 55 days' actual steaming, the time at sea for the same trip for the same vessel is now reduced to about 22 days.

Benefits the Pacific Coast.

The next heaviest traffic through the canal is between the Pacific Coast of the United States and Europe. The canal makes San Francisco nearer to Liverpool by 5,666 miles, a saving of two-fifths of the old journey by Magellan. The distance between San Francisco and Gibraltar has been reduced from 12,571 miles to 7,621 miles, a saving of 4,950 miles, or 39 per cent of the former distance.

From San Francisco to Buenos Aires, via Valparaiso and Magellan, is approximately 7,610 miles, which is shorter than the route through the canal, by which the distance is 8,941. To Rio Janeiro, the distance via Magellan is 8,609 miles; by the canal, 7,885 miles. To Pernambuco, on the eastern promontory of South America, the distance via Magellan is 9,748; via the canal, 6,746 miles. To Para, the distance via Magellan and via the canal are 10,852 and 5,642 miles, respectively.

From San Francisco to Freetown, on the west coast of middle Africa, the distance by the most practicable former route, using the Strait of Magellan, is 11,380 miles. Through the canal, and by way of the Island of Barbados the distance is 7,277 miles.

Atlantic Coast Traffic—A Competitor of Suez.

With reference to the trade between the Atlantic coast of the United States and the west coast of South America, New York is nearer to Valparaiso by 3,717 miles by virtue of the canal; to Iquique, one of the great nitrate ports by 4,139 miles; and to Guayquil, by 7,405 miles. From New York to Guayquil the present distance of 2,765 miles is approximately 27 per cent of the former distance, 10,270 miles.

As to the Far East, New York is nearer to Yokohama by 3,768 miles than formerly by way of the Suez Canal, but the latter route is 18 miles shorter than the Panama route for vessels plying between New York and Hongkong. New York is 41 miles nearer Manila by Panama than by Suez and 3,932 miles nearer Sydney by Panama. New York is now, by virtue of the Panama Canal, nearer than Liverpool to Yokohama by 1,880 miles, and nearer than Liverpool to Sydney by 2,424 miles.

SURETY BONDS FOR CONTRACTORS TO BE RAISED.

We are informed by J. C. Hayburn, the Insurance Man, that the companies doing a surety business here will on and after May 15 raise their rates on surety bonds from ½ of one per cent to one per cent of the contract price.

Mr. Hayburn believes that all contractors should be informed of this coming change so as to make a correct charge for their bonds.

ADVANCE NEWS

Classified according to Location

SAN FRANCISCO.

APARTMENT HOUSE—1 story and base. Class C construction, \$45,000. San Francisco. Architects, O'Brien Bros., 240 Montgomery street, S. F. Owners, O'Brien Bros. The building will be erected on the south side of Bush street, 187-6 west of Mason. The structure will have a frontage of 42 feet and a depth of 137½ feet, and has been designed to contain 28 apartments of two rooms and bath. Interior will be finished in pine and Philippine mahogany. Hardwood floors will be used in the living rooms and dining rooms. Bath rooms will be finished in tile. Besides the apartments, plan provides for a large social room, lobby and office on the first floor. There will be steam heat with a complete oil burning equipment, an automatic elevator, hot water supply and dumb waiters. Marble and tile wainscot will be used in the entrance vestibule and lobby. Exterior of the building will be faced with marble up to the water table, and with cream colored pressed brick above that point. Plans are complete and segregated figures are now being taken.

APARTMENT HOUSE—3 story and base, frame, \$16,500. San Francisco. Architect, Charles J. Rousseau, 46 Kearny street, S. F. Owner, Mrs. M. Kumpf. The building will be erected at the corner of 5th avenue and Irving street, and has been designed to contain five apartments of three and four rooms. Interior finish will be of pine and blue gum. Hardwood floors will be used in the living and dining rooms. All apartments will have wall beds and private bathrooms. Tile wainscot and composition floors will be used in the both rooms. There will be steam heat, hot water supply and vacuum cleaning. Entrance and lobby have been designed in the Empire style. Exterior of the building will be faced with cement plaster on metal lath. Plans are now being prepared.

APARTMENT HOUSE—3 story and base, frame, \$35,000. San Francisco. Architect, W. G. Hind, 46 Kearny street, S. F. Owner, Dr. R. W. Payne, 146 Grant avenue. The building will be erected at the southwest corner of Sacramento and Jones streets, covering an area of 50 by 90 feet. There will be a total of 21 apartments of three and four rooms. Interior finish will be of pine and southern gum. There will be hardwood floors in the living rooms, dining rooms and reception halls. Plans provide for steam heat with an oil burning system, a hot water supply and vacuum cleaning. All apartments will have wall beds and private bath rooms. Bath rooms will be finished in tile. Marble and tile wainscot will be used. Exterior of the building will be covered with cement plaster on metal lath. A contract for the excavating and concrete work has been awarded to P. Hurley, 578 Elizabeth street. Segregated figures

are being taken for the balance of the work.

APARTMENT HOUSE—3 story and base, frame, \$13,000. San Francisco. Architect, C. O. Clausen, Hearst Bldg., S. F. Owner, Thomas F. Lyons, 20 Stanyan street. The building will be erected on the south side of Sacramento street 100 feet west of Gough. There will be a total of six apartments of four rooms and bath. Interior finish will be of pine with some hardwood veneer. Hardwood floors will be used in the living rooms and dining rooms. Plans provide for furnace heat and hot water system. All apartments will have wall beds. Bath rooms will be finished in tile with composition floors. Marble and tile wainscot will be used in the entrance and vestibule. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor.

DISTRIBUTING PLANT—3, 1 story, steel frame and concrete, \$25,000. San Francisco. Engineer, Engineering Department Shell Oil Co., 343 Sansome street, S. F. Owners, Shell Oil Co. Plans and specifications are rapidly being completed for the construction of a large steel frame garage building and for two pumping stations, all of which will be erected on the company's property on Army street in this city. Each of the buildings will have a complete steel frame with reinforced concrete walls. Exterior will be faced with cement plaster. No interior finish is specified. Metal window sash and frames will be used. Bids will be called for within a few days.

FLATS—2 story and base, frame, \$3,500. San Francisco. Architect, none. Owner, L. Leveroni, 174 Lisbon street, S. F. The building will be erected on the west line of Excelsior south of Lisbon, covering an area of 25 by 61 feet. There will be a store on the first floor and two modern flats on the second floor. Interior finish will be of pine throughout. Hardwood floors will be used in the living and dining rooms. There will be an open fire place with tile or brick mantel. Bath room will have imitation tile wainscot. An automatic water heater will be installed. Exterior of the building will be covered with rustic and shiplap. Plans are complete and in the hands of the owner who will do the work by Day Labor.

ELECTRIC WORK AND FIXTURES—Cost not stated. San Francisco. Architect, William A. Newman, Post Office Bldg., S. F. Owner, U. S. Government. Bids will be received within the next two weeks for electric wiring in the U. S. Mint on the corner of Mission and 5th streets. Plans are on file at the architect's office, to which bidders are referred.

SYNAGOGUE—2 story and base, frame, \$25,000. San Francisco. Architect, E. A. Neumarkel, Sharon Bldg., S.

F. Owner, Temple Kenesith Israel. The building will be erected on Webster street, between McAllister and Golden Gate, and will have a frontage 50 feet and a depth of 125 feet. There will be a large auditorium, seating 450 people, class rooms and social hall. Interior finish will be of pine with some hardwood. Art glass windows are specified. There will be a central heating system, probably furnace heat. Some marble work will also be used. The main auditorium will have ornamental plaster work. Exterior of the building will be covered with cement plaster on metal lath. Working drawings are practically complete and figures will be taken in the course of the next week or ten days.

FIRE HOUSE FIXTURES — \$1,050. San Francisco. Architects, Ward & Blohme, Alaska Commercial Bldg., S. F. Owners, City and County of San Francisco. The Roberts Manufacturing Co. presented the low bid at \$1,050 for furnishing the electric lighting system for engine house No. 12. Two other bids were received. A complete list of the figures will be found under the heading of San Francisco in this issue.

HOTEL—12 story and base. Class A construction, \$85,000. San Francisco. Architects, Rousseau & Rousseau, 110 Sutter street, S. F. Owner, Joseph Herscher, 429 Front street, S. F. The building will be designed for a bachelor hotel, and will be erected on the south side of Geary street west of Powell. The lot has a frontage of 25 feet and a depth of 105 feet. The building will contain in the neighborhood of 85 rooms with 100 per cent baths. Besides the office, the ground floor will contain a grill room, restaurant and bar. Interior finish will be of pine and hardwood. The bath rooms will be finished in tile and equipped with high grade plumbing fixtures. There will be a complete steel frame with exterior walls of terra cotta. Plans provide for elevator service, a complete oil burning equipment, vacuum cleaner and hot water supply. A complete telephone system will be installed. Metal window sash and frames are specified. Plans will be completed shortly and the owner will let all contracts. Further mention will be made of the work.

RESIDENCE—1½ story and base, frame, \$3,000. San Francisco. Architect, O. R. Thayer, 20 Montgomery street, S. F. Owner, Mr. McCann. The building will be erected on the south side of Judah street east of 11th avenue, and has been designed to contain six rooms, bath and sleeping porch. Interior finish will be of pine with some hardwood veneer. White enamel will be used in the bed rooms. There will be an open fire place with tile or brick mantel. Bath rooms will be finished in tile. An automatic water heater is specified. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are complete and segregated figures are being

taken. The same architect also has plans out for figures for a two-story dwelling which is to be erected at the southeast corner of 11th avenue and Judah street for the same owner.

RESIDENCE—1 story and base, frame, \$2,000. San Francisco. Architect, J. A. Porporato, 619 Washington street, S. F. Owner's name withheld. The dwelling will be erected on the east side of Eureka street near 18th, and has been designed to contain five rooms. Interior will be finished in pine and redwood. There will be an open fire place with tile or brick mantel. Bath room will have imitation tile wainscot. Exterior of the house will be covered with rustic and ship-lap. Plans are complete and figures are now being taken.

RESIDENCE—2 story and base, frame, \$3,000. San Francisco. Architect, none. Owner, A. T. Morris, 501 11th avenue, S. F. The dwelling will be erected on the west side of 11th avenue south of Balboa street, and has been designed to contain six rooms. The basement will be arranged for a garage. Interior of the house will be finished in pine and redwood, with some elm panels. Hardwood floors will be used in the living room, dining room and reception hall. There will be a large open fire place in the living room with tile or brick mantel. Bath room will be finished in tile. An automatic water heater is specified. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are complete and in the hands of the owner who will let the work by Day Labor. Materials are now being purchased.

MACHINE SHOP—2 story and base, frame, \$2,500. San Francisco. Architect, John A. Ettler, 604 Mission street, S. F. Owners, Hansen & Bain, 244 Townsend street, S. F. The building will be erected on the north side of Townsend street east of 4th, having a frontage of 30 feet and a depth of 60 feet. No interior finish will be used. There will be a cement floor. A large amount of special machinery will be required. The exterior of the building will be covered with rustic. Plans are complete and figures are now being taken.

BAKERY ADDITION AND ALTERATION—\$3,000. San Francisco. Architect, Thomas W. Lenzen, Humboldt Bank Bldg., S. F. Owners, Old Homestead Bakery. Extensive alterations and additions will be made to the office building of the Old Homestead Baking Co., located at the northwest corner of 19th and Shotwell street. The work will include the construction of a one-story addition to the present building, the removal of the present interior partitions, the installation of new plumbing, plumbing fixtures, interior finish, painting and plastering. Plans for the work have been completed and figures are now being taken.

RESIDENCE—2 story and base, frame, \$4,000. San Francisco. Architect, Arthur J. Laib, Russ Bldg., S. F. Owner, Mrs. E. F. Henning, 789 10th avenue. The dwelling will be erected on the west line of 11th avenue south of Cabrillo, and has been designed to contain a store on the first floor besides living rooms. Interior finish will be of pine and redwood with some

hardwood veneer. Hardwood floors will be used in the living room and dining room. There will be an open fire place with tile or brick mantel. Tile wainscot will be used in the bath room. An automatic water heater will be installed. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are complete and figures will be called for at once.

BRIDGES AND VIADUCTS—Reinforced concrete. Cost not stated. San Francisco. Engineer, City Department of Engineering, Temporary City Hall, S. F. Owners, City and County of San Francisco. The Engineering Department is now engaged in the preparation of plans for a number of bridges and viaducts to be erected on the line of the Municipal Railroad extension through Golden Gate Park.

STORES—1 story and base. Class C construction. Cost not stated. San Francisco. Architect, Phillip Schwerdt, 726 Clement street, S. F. Owner, Clara Schmail, represented by W. H. Sverger, Redwood City. The building will be erected on the southeast corner of Sixth and Mission streets, and will have a frontage of 75 feet on Mission street by 80 feet on Sixth. Plans provide for a number of small stores. Interior finish will be of pine. There will be patent store fronts with large plate glass display windows. Modern plumbing and electric work will be installed. Exterior of the building will be faced with pressed brick. Plans are complete and figures are now being taken.

HARBOR IMPROVEMENTS—Cost not stated. South San Francisco. Engineers, Haviland & Tibbetts, Alaska Commercial Bldg., S. F. Owners, South San Francisco. The South San Francisco Land Co., with offices at 221 Monadnock Bldg., has retained Engineers Haviland & Tibbetts to prepare plans for extensive improvements to the South San Francisco water front. It is stated that one of the big Chicago meat packers has become interested in this project and will erect another large plant there. The work included is widening the present channel, dredging to a depth of 20 feet at low tide, constructing a 90-foot turning basin and erecting extensive jetties, sea wall and wharves. Engineers J. H. Kane and B. W. Seymore of Chicago are representing the Chicago packers.

HOTEL—5 story and base. Class C construction, \$65,000. San Francisco. Architects, Rousseau & Rousseau, Monadnock Bldg., S. F. Owners, Gerard Investment Co. The building will be erected on the east side of 4th street north of Howard, having a frontage of 44 feet and a depth of 100 feet with an L 15 by 25 feet. Plans provide for a total of 84 guest rooms and a number of baths. The ground floor has been arranged for the lobby, office and two stores. Interior finish will be of pine and redwood with some hardwood veneer. Hardwood floors will be used in the lobby, office and halls. Plans provide for steam heat, an automatic elevator and hot water system. Patent store fronts will be installed. Bath rooms will be finished in tile. Exterior of the building will be faced with pressed brick trimmed with terra cotta. Plans are being prepared.

APARTMENT HOUSE—3 story and base, brick and steel, \$18,000. San Francisco. Architect, C. O. Clausen,

Hearst Bldg., S. F. Owner's name withheld. The building will be erected on O'Farrell street near Leavenworth, and has been designed to contain ten apartments of two rooms each. Interior finish will be of pine with some elm panels. Hardwood floors will be used in the living and dining rooms. There will be steam heat and wall beds. All apartments will have private baths. Bath rooms will be finished in tile. Marble and tile wainscot will be used in the entrance. Exterior of the building will be faced with pressed brick. Plans are now being prepared.

APARTMENT HOUSE—3 story and base, frame, \$16,000. San Francisco. Architect, C. O. Clausen, Hearst Bldg., S. F. Owner's name withheld. The building will be erected on Guerrero street near 18th, and has been designed to contain twelve apartments of three and four rooms. Interior finish will be of pine and hardwood veneer. Hardwood floors will be used in the living and dining rooms. There will be wall beds and private baths. Plans provide for steam heat and dumb waiters. A hot water circulating system will be installed. Bath rooms will be finished in tile. Exterior of the building will be covered with pressed brick veneer and ship-lap. Plans are now being prepared.

Building Contracts Awarded.

San Francisco

No.	Owner.	Contractor	Amt.
1402	McManus	Keenan	4750
1403	Anderson	Anderson	5000
1404	Araghi	De Martini	5360
1405	W'n Sugar	Lindgren	126000
1406	Johnstone	Schwarz	5317
1407	Johnson	Johnson	850
1408	Gatto	Gatto	400
1409	McCreery	Nielson	1000
1410	Filippi	Sharman	2000
1411	Phillips	Phillips	2000
1412	Nelson	Nelson	2000
1413	P P I E.	Monk	8000
1414	Lindauer	Lindauer	700
1415	Walter	Walter	400
1416	Scoble	Scoble	2000
1417	Scoble	Scoble	2000
1418	Scoble	Scoble	2000
1419	Scoble	Scoble	2000
1420	Scoble	Scoble	2000
1421	Scoble	Scoble	2000
1422	Scoble	Scoble	2000
1423	Gradke	Graake	400
1424	Young	Ralston	400
1425	City Impt	Meek	400
1426	Rosenblum	Moren	1500
1427	Solomon	Solomon	500
1428	Poulsou	Poulsou	400
1429	Gorman	Gorman	500
1430	Marcus	Montrouil	500
1431	Imperial	Brumfield	450
1432	McElroy	Nelson	3615
1433	Newman	McKay	3500
1434	Nadal	Legrand	1525
1435	Tocalino	Devencenzi	89300
1436	McCrea	Burns	3897
1437	Shockley	Sunset	2000
1438	Phelan	Musto	2386
1439	Mer Ice	Larsen	11000
1440	Rossi	De Martini	4047
1441	Vanderveen	Houle	2255
1442	City&Co of SF	Laroulandie	5550
1443	Morris	Morris	2150
1444	Lyons	Lyons	13000
1445	Assoc Oil	Assoc Oil	750
1446	White	White	1500
1447	Matojowsky	Rushton	800
1448	Assoc Oil	Assoc Oil	750
1449	Leveroni	Leveroni	3000
1450	Sherman	Colman	8068
1451	Welsh	Welsh	6000
1452	Rosenblum	Moren	1133
1453	Homestead Rlty.	Grahn	1325
1454	Same	Same	1325
1455	Old Hmstd Bky	Owner	3000
1456	Hansen	Hansen	500
1457	Pacific G & E Co.	Sullivan	400
1458	Biberro	Hinson	400
1459	Meugeot	Craemer	2300
1460	Park Lodge F&A M.	Vane	1400
1461	Anderson	Nelson	1340
1462	Metzger	Flaherty	450

1463	Arata	Arata	600
1464	Labourd	Hanlon	450
1465	Parente	Jossa	750
1466	Pope & Talbot	Owner	400
1467	Fisher	Brumfield	450
1468	Harron et al	Owner	600
1469	Tiscornia	Tiscornia	1500
1470	Gazzaneo	Amoroso	6200
1471	Slattery	Fraser	5500
1472	Gyulik	Ehes	600
1473	Collins	Collins	400
1474	Prosek	Prosek	700
1475	Barbato	Barbato	450
1476	Karsten	Grant	3000

FRAME FLATS

(1402) NW TWENTY-FIRST AVE & California 45x65. Carpenter, concrete, plaster, painting, plumbing, etc., for two-story and basement frame flats.

Owner.....Jas. P. McManus.

Architect...None.

Contractor...H. C. Keenan, 300 Webster, San Francisco.

Filed May 10, '15. Dated May 8, '15.

Rafters on\$1187.50

Brown coated 1187.50

Completed 1187.50

Usual 35 days..... 1187.50

TOTAL COST, \$4750.00

Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications filed.

FRAME FLATS

(1403) N CLEMENT 25 E Sixteenth Ave., All work for two-story frame flats.

Owner.....Celestine Anderson.

Architect...None.

Contractor...Otto E. Anderson, 215 10th Ave., San Francisco.

Filed May 10, '15. Dated May 10, '15.

Roof on\$1250

1st coat plaster on..... 1250

Completed and accepted..... 1250

Usual 35 days..... 1250

TOTAL COST, \$5000

Bond, none. Limit, Aug. 16. Forfeit, none. Plans and specifications filed.

FRAME FLATS

(1404) S GREENWICH 87-6 E Powell E 25xS 87-6. All work except painting, lighting fixtures, shades and mantels for three-story and basement frame flats.

Owner.....Giovanni Aragni, 274 Chenery, San Francisco.

Architect...Paul F. De Martini, 2123 Powell, San Francisco.

Contractor...Paul De Martini, 2869 Octavia, San Francisco.

Filed May 10, '15. Dated Apr. 26, '15.

Frame up & roof sheathing on..\$1340

Brown coated 1340

Completed and accepted..... 1340

Usual 35 days..... 1340

TOTAL COST, \$5360

Bond, \$1680. Sureties, S. Arata and G. B. Cordano. Limit, 90 days after April 28. Forfeit, none. Plans and specifications filed.

CLASS "A" REFINERY BUILDING

(1405) NE TWENTY-THIRD AND Louisiana. Erection and construction of ten-story Class "A" refinery building.

Owner.....Western Sugar Refining Co 60 California, S. F.

Engineer...W. E. Murray.

Contractor...Lindgren Co., Monadnock Bldg., San Francisco.

Filed May 10, '15. Dated May 6, '15.

On completion of excavation..\$ 7,000

On completion of sewers..... 3,000

On completion of retaining wall concrete 7,000

2 weeks after 2nd floor rough concrete done..... 12,500

2 weeks after 5th floor rough

concrete done..... 10,000

2 weeks after 8th floor rough

concrete done..... 10,000

2 weeks after rough floor concrete done 10,000

2 weeks after tile partitions and

water proofing done..... 7,500

2 weeks after finish floor done 7,500

Completed and accepted..... 20,000

Usual 35 days..... 31,500

TOTAL COST, \$126,000

Bond, \$65,000. Surety, Royal Indemnity Co. Limit, 150 days. Forfeit, \$30.

Plans and specifications filed.

FRAME FLATS

(1406) E TWELFTH AVE 100 S Ca-brillo S 25xE 120 O L 391. All work for two-story frame flats.

Owner.....Marion L. Hall and Sue Johnstone.

Architect...H. E. Harris.

Contractor...Chas. Schwarz, 333 Naples, San Francisco.

Filed May 10, '15. Dated May 7, '15.

Rough frame up.....\$ 664.60

Enclosed and window frames

set 664.60

Brown coated and rough plumb

ing in 664.60

Plastered & outside complete 664.65

Interior wood finish complet

ed 664.65

Completed and accepted..... 664.65

Usual 35 days..... 1329.25

TOTAL COST, \$5317.00

Bond, \$2660. Sureties, Sig Grosslicht and Richard French. Limit, 75 days.

Forfeit, \$5. Plans and specifications filed.

FRAME DWELLING

(1407) W TWENTY-THIRD AVE 125 S Anza. One-story and basement frame dwelling.

Owner.....Emil Johnson, 525 23rd Ave., San Francisco.

Architect...None.

Day's work. COST, \$850

ALTERATIONS

(1408) NO. 2786 California. Alterations.

Owner.....Antonio Gatto, 4325 Geary, San Francisco.

Architect...None.

Day's work. COST, \$400

ALTERATIONS

(1409) NO. 332 PINE. Alterations on roof pergola.

Owner.....Andrew B. McCreery Est., 221 Sansome, San Francisco

Architect...Chas. P. Weeks, Mutual Bank Bldg., S. F.

Contractor...M. F. Nielsen, 110 Jessie, San Francisco.

COST, \$1000

FRAME DWELLING

(1410) S Palou 350 W Lane. Two-story and basement frame dwelling.

Owner.....Joseph Filippi, 1813 La Salle Ave., S. F.

Architect...None

Contractor...T. L. Sharman, 1440 Shafter Ave., S. F.

COST, \$2000

RESIDENCE

(1411) E TWENTY-SEVENTH AVE 200 S Anza. Two-story and basement frame residence.

Owner.....J. H. Phillips, 228 23rd Ave., San Francisco.

Architect...None.

Day's work. COST, \$2000

FRAME DWELLING

(1412) N IRVING 70 W Twenty-eighth Ave. One-story and basement frame dwelling.

Owner.....F. Nelson, 30 Presidio Terrace, San Francisco.

Architect...None.

Day's work. COST, \$2000

ALTERATIONS

(1413) N NORTH POINT, bet. Van Ness Ave and Polk. Alter present quarters on third and fourth stories, remove and place new partitions, raise floors, electric work, painting, carpentry, plumbing, etc.

Lessees.....Panama-Pacific International Exposition Co.

Owner.....Southern Pacific Co., Flood Bldg., San Francisco.

Architect...Panama-Pacific International Exposition Co., Service Bldg., S. F.

Contractor...John Monk, 316 Sharon Bldg., San Francisco.

COST, \$8000

ALTERATIONS

(1414) S TWENTY-SECOND 25 W Bryant. Alter theatre.

Owner.....Mrs. A. Lindauer, 2408 Bryant, San Francisco.

Architect...None.

Contractor...Fred W. Lange, 780 Wisconsin, San Francisco.

COST, \$700

REPAIRS

(1415) NO. 930 FLORIDA. Repair dwelling.

Owner.....H. J. Walter, Premises.

Architect...None.

Day's work. COST, \$400

FRAME RESIDENCE

(1416) W TWENTY-SEVENTH AVE 129-1 S Balboa. Two-story and basement frame residence.

Owner.....Thos. Scoble, 363 14th Ave., San Francisco.

Architect...E. E. Young, 251 Kearny, San Francisco.

Day's work. COST, \$2000

FRAME RESIDENCE

(1417) W TWENTY-SEVENTH AVE 104-1 S Balboa. Two-story and basement frame residence.

Owner.....Thos. Scoble, 363 14th Ave., San Francisco.

Architect...E. E. Young, 251 Kearny, San Francisco.

Day's work. COST, \$2000

FRAME RESIDENCE

(1418) W TWENTY-SEVENTH AVE 79-1 S Balboa. Two-story and basement frame residence.

Owner.....Thos. Scoble, 363 14th Ave., San Francisco.

Architect...E. E. Young, 251 Kearny, San Francisco.

Day's work. COST, \$2000

FRAME RESIDENCE

(1419) W TWENTY-SEVENTH AVE 29-1 S Balboa. Two-story and basement frame residence.

Owner.....Thos. Scoble, 363 14th Ave., San Francisco.

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Architect...E. E. Young, 251 Kearny,
San Francisco.

Day's work. COST, \$2000

FRAME RESIDENCE

(1420) W TWENTY-SEVENTH AVE
54-1 S Balboa. Two-story and base-
ment frame residence.Owner.....Thos. Scoble, 363 14th Ave.,
San Francisco.Architect...E. E. Young, 251 Kearny,
San Francisco.

Day's work. COST, \$2000

FRAME RESIDENCE

(1421) NW BALBOA AND 27TH AVE
Two-story and basement frame resi-
dence.Owner.....Thos. Scoble, 363 14th Ave.,
San Francisco.Architect...E. E. Young, 251 Kearny,
San Francisco.

Day's work. COST, \$2000

FRAME RESIDENCE

(1422) W TWENTY-SEVENTH AVE
151-1 S Balboa. Two-story and base-
ment frame residence.Owner.....Thos. Scoble, 363 14th Ave.,
San Francisco.Architect...E. E. Young, 251 Kearny,
San Francisco.

Day's work. COST, \$2000

FRAME DWELLING

(1423) SE MORAGA AND 47TH AVE.
One-story and basement frame dwlg.Owner.....Edw. Gradke, 4108 Moraga,
San Francisco.

Architect...None.

Day's work. COST, \$400

FRAME GARAGE

(1424) NO. 81 COMMONWEALTH AVE
One-story frame garage.

Owner.....John P. Young, Premises.

Architect...None.

Contractor...F. F. Ralston, 132 Com-
monwealth Ave., S. F.

COST, \$400

ALTERATIONS

(1425) NO. 1069 MARKET. Alter
dwelling.Owner.....City Improvement Co., 1st
National Bank Bldg., S. F.

Architect...None.

Contractor...T. H. Meek Co., 1157 Mis-
sion, San Francisco.

COST, \$400

ALTERATIONS

(1426) NO. 138 ARGUELLO BLVD.
Alter dwelling.Owner.....S. Rosenblum, Clay at
Presidio Ave., S. F.

Architect...None.

Contractor...Geo. G. Moren, 125 Falcon
Ave., San Francisco.

COST, \$1500

INSTALL FURNACE

(1427) NO. 175 HOOPER. Install fur-
nace.Owner.....C. Solomon Jr., 409 Battery
San Francisco.

Architect...None.

Day's work. COST, \$500

ADDITION

(1428) NO. 183 TWENTY-SECOND
Ave. Add kitchen and porch.

Owner.....P. R. Poulsson, Premises.

Architect...None.

Day's work. COST, \$400

FRAME DWELLING

(1429) NW BURNSIDE & CHENERY.
One-story and basement frame dwlg.Owner.....B. Gorman, 957 Chenery,
San Francisco.

Architect...None.

Day's work. COST, \$500

FRAME SHOP

(1430) NO. 139 HEARST AVE. One-
story frame shop.Owner.....R. F. Marcus, 1014 Larkin,
San Francisco.

Architect...None.

Contractor...P. W. Montrouil, 270 An-
dover, San Francisco.

COST, \$500

ELECTRIC SIGN

(1431) S MARKET 200 E Seventh.
Electric sign.

Owner.....Imperial Theatre, Prem.

Architect...None.

Contractor...Brumfield Elec. Sign Co.,
18 87th, San Francisco.

COST, \$450

ADDITION AND ALTERATION

(1432) SE NATOMA 106 SW First SW
41xSE 80. All work for one-story
brick addition and alteration to
present building.Owner.....Jno. J. McElroy, 1637
Golden Gate Ave., S. F.

Architect...None.

Contractor...Nelson & Bauer, 625 Mar-
ket, San Francisco.

Filed May 11, '15. Dated May 11, '15.

1st story walls up.....\$1205

Completed and accepted.....1505

Usual 35 days.....905

TOTAL COST, \$3615

Bond, \$1810. Sureties, W. H. Nolan and

H. E. Drahn. Limit, forfeit, none.

Plans and specifications filed.

FRAME FLATS

(1433) E TWENTY-FOURTH AVE 155
N Geary N 25x E 120. Grading, con-
crete, brick, carpenter, electric,
plaster, terrazzo and mosaic, patent
flues, glass, painting, plumbing,
hardware, roofing, etc., for two-story
and basement frame flats.Owner.....Wm. Newman, 620 35th
Ave., San Francisco.

Architect...None.

Contractor...Fred O. McKay and M. G.
Hantzsch, 438 24th Ave.,
San Francisco.

Filed May 11, '15. Dated May 6, '15.

Frame up\$437.50

Brown coated437.50

Accepted1750.00

Usual 35 days.....875.00

TOTAL COST, \$3500.00

Bond, \$1750. Sureties, Henry J. Kes-
sel and J. H. McKay. Limit, 95 days

after May 3. Forfeit, none. Plans and

specifications filed.

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FRAME COTTAGE

(1434) N OAKDALE AVE 175 E Phelps
E 24-10xN 100. All work for one-
story and basement frame cottage.Owner.....F. Nadal, 1734 Newcombe,
San Francisco.Architect...Fabre & Bearwald, 1st
National Bank Bldg., S. F.Contractor...Arthur Legrand & Alfred
Tournier, 51 Sumner, S. F.

Filed May 11, '15. Dated May 6, '15.

Outside enclosed and roof on....\$381

Brown coated381

Completed and accepted.....381

Usual 35 days.....382

TOTAL COST, \$1525

Bond, none. Limit, 70 days. Forfeit,
none. Plans and specifications filed.

FRAME FLATS

(1435) N VALLEJO 215 E Kearny.
All work except finish hardware,
shades, fixtures, cement floors and
foundations for two three-story and
basement frame flats.Owner.....Tocalino Bros., 442 Vallejo
San Francisco.

Architect...None.

Contractor...Devencenzi Bros. & Co.,
1069 Union, San Francisco.

Filed May 11, '15. Dated Apr. 25, '15.

Roof on\$2075

Brown coated2075

Completed and accepted.....2075

Usual 35 days.....2075

TOTAL COST, \$8300

Bond, limit, forfeit, none. Plans and
specifications filed.

NOTE:—1st report Apr. 9th. No. 1060

FRAME FLATS

(1436) E NINTH AVE 100 N Kirkham
E 120xN 25. All work except light-

ing fixtures and shades for two-story and basement frame flats.
 Owner.....Edward D. McCrea, 1480 9th Ave., S. F.
 Architect...Henry Sherlund, 803 Mills Bldg., S. F.
 Contractor..John Burns, 2612 McAllister, San Francisco.
 Filed May 11, '15. Dated May 8, '15.
 Rough frame up and roof boards on 25%
 Rough plaster on..... 25%
 Completed and accepted..... 25%
 Usual 35 days..... 25%
 TOTAL COST, \$3897
 Bond, \$1948. Surety, Jos. Burns. Limit 60 days. Forfeit, \$10. Plans and specifications filed.

GRADING

(1437) BLK BDED BY TWENTY-first and 22nd Aves, Kirkham and Lawton. All work for grading.
 Owner.....Wm. Hillman Shockley.
 Architect...None.
 Contractor..Sunst Constr. Co., 62 Post, San Francisco.
 Filed May 11, '15. Dated May 11, '15.
 60 days after completion..... 50%
 60 days after 1st payment..... 50%
 TOTAL COST, \$2000

Bond, \$1855. Surety, Pacific Coast Casualty Co. Limit, June 21, 1916. Forfeit, \$10. Bonus, \$10 per day. Plans and specifications, none.

MARBLE AND STONE WORK

(1438) N WASHINGTON 137-6 W Octavia W 137-6xN 255-4½. Marble and stone work for floors, steps, sills and mantels, etc., for residence.
 Owner.....Mary Louise Phelan, 1840 California, San Francisco.
 Architect...Charles Peter Weeks, Mutual Bank Bldg., S. F.
 Contractor..Joseph Musto Sons-Keenan Co., 565 North Point, S. F.
 Filed May 12, 15. Dated Apr. 19, '15.
 On 1st of each month..... 75%
 Usual 35 days..... 25%
 TOTAL COST, \$2386
 Bond, \$1200. Sureties, Maria Musto and A. E. Sbarboro. Limit, 40 days. Forfeit, none. Plans and specifications filed.

CLASS "C" COLD STORAGE BLDG.

(1439) S LOMBARD 216 W Sansome 51-8½x88-8¾. Brick work, terra cotta work, reinforced concrete, excavation, etc., for seven-story Class "C" cold storage building.
 Owner.....Merchants Ice & Cold Storage Co., Lombard and Battery, S. F.
 Architect...Edmund Kollofrath, 560 Belvedere, S. F.
 Contractor..H. H. Larsen & Bro., 62 Post, San Francisco.
 Filed May 12, '15. Dated May 12, '15.
 On 1st of each month..... 75%
 Usual 35 days..... 25%
 TOTAL COST, \$11,000
 Bond, none. Limit, 60 days. Forfeit, none. Plans and specifications filed.

FRAME FLATS

(1440) W SCOTT PLACE 87-6 S Broadway W 56xS 25. All work except concrete and cement, painting, plumbing, shades and chandeliers for three-story and basement frame flats
 Owner.....F. Rossi, 37 Wayne Place, San Francisco.
 Architect...J. A. Porporato, 619 Washington, San Francisco.
 Contractor..Paul De Martini.

Filed May 12, '15. Dated May 8, '15.
 Rough frame up.....\$ 700
 Brown coated 900
 Completed and accepted..... 1000
 Usual 35 days..... 1447
 TOTAL COST, \$4047
 Bond, \$4047. Sureties, G. B. Cordano and D. Firenze. Limit, 90 days. Forfeit, \$3. Plans and specifications filed.

COMPO WORK, ETC.

(1442) LOCATION NOT GIVEN.
 Compo work and wood carving for San Francisco City Hall.
 Owner.....City and County of S. F. by L. and E. Emanuel, Inc., 144 12th, San Francisco.
 Architect...Bakewell & Brown, 251 Kearny, San Francisco.
 Contractor..E. Laroulandie, 1745 Sacramento, San Francisco.
 Filed May 12, 15. Dated May 8, 15.
 Monthly payments of..... 75%
 Usual 35 days..... 25%
 TOTAL COST, \$5550
 Bond, \$5550. Surety, Pacific Coast Casualty Co. Limit, Nov. 2, 1915. Forfeit, none. Plans and specifications, none.

(Correction. Cost Omitted)

FRAME BUILDING

(1441) LOT 1 BLK 9 SUB 1, Castro Street Addition. All work for five-room and bath frame building.
 Owner.....Chris W. and Henrietta Vanderveen, 756 Valencia, San Francisco.
 Architect...None.
 Contractor..D. Houle, 660 Market, S. F.
 Filed May 12, '15. Dated May 7, '15.
 Frame up\$550
 1st coat plaster on..... 550
 Completed 550
 Usual 35 days..... 605
 TOTAL COST, \$2255
 Bond, none. Limit, 80 days. Forfeit, none. Plans and specifications filed.

FRAME DWELLING

(1443) W ELEVENTH AVE 250 N Balboa. Two-story and basement frame dwelling.
 Owner.....A. T. Morpiss, 501 11th Ave., San Francisco.
 Architect...None.
 Day's work. COST, \$2150

FRAME APARTMENTS

(1444) S SACRAMENTO 100 W Gough. Three-story and basement frame apartments.
 Owner.....Thoms F. Lyons, 20 Stanyan, San Francisco.
 Architect...C. O. Clausen, Hearst Bldg San Francisco.
 Day's work. COST, \$13,000

FRAME GARAGE

(1445) SECOND AND BERRY. One-story frame garage.
 Owner.....Associated Oil Co., Sharon Bldg., San Francisco.
 Architect...None.
 Day's work. COST, \$750

FRAME DWELLING

(1446) N TARAVAL 32-6 W 29th Ave. One-story frame dwelling.
 Owner.....Patrick White, 1247 16th Ave., San Francisco.
 Architect...None.
 Day's work. COST, \$1500

ALTERATIONS

(1447) W STEINER 100 N Filbert. Alter and move dwelling.

Owner.....Karl Matojowsky, Prem.
 Architect...None.
 Contractor..C. A. Rushton, 714 9th Ave., San Francisco.
 COST, \$800

ALTERATIONS

(1448) SIXTEENTH AND ILLINOIS. Alter shop.
 Owner.....Associated Oil Co., Sharon Bldg., San Francisco.
 Architect...None.
 Day's work. COST, \$750

FRAME STORE AND FLATS

(1449) W EXCELSIOR 50 S Lisbon. Two-story and basement frame store and (2) flats.
 Owner.....L. Leveroni, 174 Lisbon, San Francisco.
 Architect...None.
 Day's work. COST, \$3000

ALTERATIONS AND ADDITIONS

(1450) S JACKSON 127-6 E Buchanan E 37-6 S 127-8¼ W 27-6 N 7-8¼ W 10 N 120. All work except finish hardware, painting, shades and electric fixtures for alterations and additions to residence.
 Owner.....Lucia H. K. Sherman.
 Architect...J. R. Miller, Lick Bldg., San Francisco.
 Contractor..Collman & Collman Co., Sharon Bldg., S. F.
 Filed May 13, 15. Dated May 12, '15.
 On 1st of each month..... 75%
 Usual 35 days..... 25%
 TOTAL COST, \$3086
 Bond, \$4034. Surety, Fidelity & Deposit Co. of Maryland. Limit, 80 days. Forfeit, none. Plans and specifications filed.

FRAME DWELLING

(1451) W TENTH AVE 506-6 N Balboa N 28-3xW 95. All work for two-story frame dwelling.
 Owner.....Jas. Welsh, 244 20th Ave., San Francisco.
 Architect...None.
 Contractor..James Welsh Company.
 Filed May 13, '15. Dated May 1, '15.
 Rafters on\$1500
 Brown coated 1500
 Accepted 1500
 Usual 35 days..... 1500
 TOTAL COST, \$6000
 Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications, none.

ALTERATIONS AND ADDITIONS

(1452) NO. 138 ARGUELLO BLVD. All work except plumbing, gas, electric fixtures, shades and finish hardware for alterations and additions to two-story frame residence.
 Owner.....Samuel Rosenblum, Clay & Presidio Ave., S. F.
 Architect...None.
 Contractor..Geo. G. Moren, 125 Falcon Ave., San Francisco.
 Filed May 13, '15. Dated May 12, '15.
 Heater installed in dining room and halls paneled\$377.75
 Completed and accepted..... 377.75
 Usual 35 days..... 377.75
 TOTAL COST, \$1133.20
 Bond, none. Limit, 40 days. Forfeit, \$1. Plans and specifications filed.
 NOTE:—1st report May 12, No. 1426.

FRAME DWELLING

(1453) S GOETHE 200 W San Jose Ave. One-story and basement frame dwelling.

Owner.....Homestead Realty Co.,
Mutual Bank Bldg., S. F.
Architect...None.
Contractor...Wm. H. Grahn, 2840 Bry-
ant, San Francisco.
COST, \$1325

FRAME DWELLING

(1454) S GOETHE 237-6 W San Jose
Ave. One-story and basement frame
dwelling.
Owner.....Homestead Realty Co.,
Mutual Bank Bldg., S. F.
Architect...None.
Contractor...Wm. H. Grahn, 2840 Bry-
ant, San Francisco.
COST, \$1325

ALTERATIONS

(1455) W SHOTWELL 62-6 N 19th.
Alter and enlarge offices, add one
story, tar and gravel roof, new
plumbing fixtures and minor changes.
Owner.....Old Homestead Bakery,
Premises.
Architect...Theo. W. Lenzen, Hum-
boldt Bank Bldg., S. F.
Day's work. COST, \$3000

ALTERATIONS

(1456) NO. 1267 FILBERT. Enlarge
kitchen.
Owner.....Carsten Hansen, 3948 18th,
San Francisco.
Architect...None.
Day's work. COST, \$500

UNDERPIN WALL

(1457) S SUTTER 137 E Powell. Un-
derpin wall.
Owner.....Pacific Gas & Electric Co.,
Premises.
Architect...Edgar Matthews.
Contractor...D. J. & T. Sullivan, 1942
Folsom, San Francisco.
COST, \$400

ALTERATIONS

(1458) NO. 744-A HOWARD. Alter
front of store.
Owner.....D. Biberro, 47 Kearny,
San Francisco.
Architect...None.
Contractor...L. A. Hinson, 180 Jessie,
San Francisco.
COST, \$400

FRAME DWELLING

(1459) S JOHN 114-6 E Mason. One-
story and basement frame dwlg.
Owner.....Chas. Meugeot, 21 John,
San Francisco.
Architect...None.
Contractor...O. A. Craemer, 110 Jessie,
San Francisco.
COST, \$2300

ALTERATIONS

(1460) NO. 1748 HAIGHT. Alter lodge
room.
Owner.....Park Lodge, No. 449, F. &
A. M., Premises.
Architect...None.
Contractor...Le Roy Vane, 661 Cole,
San Francisco.
COST, \$1400

FRAME DWELLING

(1461) N WAYLAND 81 W Berlin.
One-story and basement frame dwlg.
Owner.....J. E. Anderson and wife,
444 Valley, San Francisco.
Architect...None.
Contractor...John Nelson, 176 Capis-
trano, San Francisco.
COST, \$1340

ALTERATIONS

(1462) NW SUTTER AND LARKIN.
Remove partition in lobby.
Owner.....Louis Metzger, 58 Second,
San Francisco.
Architect...S. Schnaittacher, 233 Post,
San Francisco.
Contractor...John Flaherty, 110 Jessie,
San Francisco.
COST, \$450

ALTERATIONS

(1463) NO. 2080 SUTTER. Alter in-
terior of stores.
Owner.....L. Arata, Premises.
Architect...None.
Day's work. COST, \$600

ALTERATIONS

(1464) NO. 1320 PALOU. Add and alter
dwelling.
Owner.....R. Laboure, Premises.
Architect...None.
Contractor...Frank I. Hanlon, 1007 Men-
dell, San Francisco.
COST, \$450

ERECT MARQUISE

(1465) NE KEARNY AND PACIFIC.
Erect marquee.
Owner.....Parente Bros., Premises.
Architect...Edw. A. Larsen, 812 Hum-
boldt Bank Bldg., S. F.
Contractor...J. Jossa Cornice Wks, 1242
Mason, San Francisco.
COST, \$750

SHAVING BIN

(1466) SE KING AND THIRD. Erect
shaving bin.
Owner.....Pope & Talbot, Foot of 3d
San Francisco.
Architect...None.
Day's work. COST, \$400

ELECTRIC SIGN

(1467) NE EDDY AND JONES. Elec-
tric sign.
Owner.....M. Fisher, Premises.
Architect...None.
Contractor...Brumfield Elec. Sign Co.,
18 7th, San Francisco.
COST, \$450

ALTER OFFICES

(1468) NO. 139 TOWNSEND. Re-ar-
range offices.
Owner.....Harron, Rickard & McCone
Premises.
Architect...None.
Day's work. COST, \$600

FRAME RESIDENCE

(1469) E OTSEGO 100 N Onondago.
One-story and basement frame resi-
dence.
Owner.....D. Tiscornia, 233 Delano,
San Francisco.
Architect...None.
Day's work. COST, \$1500

FRAME FLATS

(1471) N LAKE, bet. 12th and 13th
Aves. All work for two-story frame
flats.
Owner.....M. A. and Selina Slattery,
1128 Lake, S. F.
Architect...None.
Contractor...John Fraser, 4008 Califor-
nia, San Francisco.
Filed May 14, '15. Dated May 12, '15.
Roof on\$1375
White coated 1375
Completed and accepted..... 1375
Usual 35 days..... 1375
TOTAL COST, \$5500

Bond, none. Limit, Aug. 12, 1915. For-
feit, none. Plans and specifications
filed.

FRAME FLATS

(1472) E KEARNY 34 S Green S 22-9
x E 60. All work except gas and
electric fixtures, finish hardware and
window shades for three-story and
basement frame flats.
Owner.....Biagio Gazzaneo and Car-
melo De Leone, 1252 Kear-
ny, San Francisco.
Architect...None.
Contractor...P. C. Amoroso, 1246 Kear-
ny, San Francisco.
Filed May 14, '15. Dated May 5, '15.

Frame up\$1550
Brown coated 1550
Completed and accepted..... 1550
Usual 35 days..... 1550
TOTAL COST, \$6200
Bond, \$3100. Sureties, F. Cotaro and N.
Capurro. Limit, 90 days. Forfeit, none
Plans and specifications filed.

ALTERATIONS

(1472) NOS. 65-65½ ARLINGTON.
Raise, alter and add to dwelling.
Owner.....Frank Gyulik, Premises.
Architect...None.
Contractor...John Enes, 323 Chenery,
San Francisco.
COST, \$600

DWELLING

(1473) N VALLEY 75 W Diamond.
One-story frame dwelling.
Owner.....F. Collins, 746 Ellsworth,
San Francisco.
Architect...None.
Day's work. COST, \$400

ALTERATIONS

(1474) NO. 247 CARL. Minor altera-
tions to apartments.
Owner.....Mrs. F. Prosek, Premises.
Architect...None.
Contractor...R. Prosek, Premises.
COST, \$700

FRAME DWELLING

(1475) NO. 27 MARGARET AVE.
One-story frame dwelling.
Owner.....L. Barbato, Premises.
Architect...None.
Day's work. COST, \$450

FRAME FLATS

(1476) S PIXLEY 112-6 W Buchanan
W 25xS 47. All work for two-story
frame flats.
Owner.....C. Karsten, 499 O'Farrell,
San Francisco.
Architect...None.
Contractor...W. E. Grant, 1032 Irving,
San Francisco.
Filed May 15, '15. Dated May 15, '15.
1st floor joists in.....\$250
Roof boards ready for roofing.. 500
Ready for lathing..... 250
Brown coated 500
White coated 250
Building finished 500
Usual 35 days..... 750
TOTAL COST, \$3000
Bond, none. Limit, 75 days. Forfeit,
none. Plans and specifications filed.

INCORPORATIONS

Salch-Fielding Hotel Company. To
act as hotel and innkeepers. Capital
Stock, \$75,000; 750 shares at \$100 each;
amount subscribed, \$300. Place of
business, San Francisco. Directors—

Geo. C. Saleh, L. H. Fielding, L. A. Hilborn, 1 share each.

By-Products Manufacturing Co. To produce, treat and prepare for market gold, silver and similar metals. Capital Stock, \$100,000; 1000 shares at \$100 each; amount subscribed, \$500. Place of business, San Francisco. Directors—K. C. Holt, H. Weinberger, C. A. Shuey, E. Williams and W. Done, 1 share each.

The United States Sales Corporation. To deal in all kinds of mechanical and electrical machinery. Capital Stock, \$1,500,000; 15,000 shares at \$100 each; amount subscribed, \$700. Place of business, San Francisco. Directors—W. B. Williams, Wm. McElroy, S. Nelson, F. L. Woodburn, J. O. McElroy, J. V. Copren and R. de Fontana, 1 share each.

The Colbert Company. To do a general commission and selling agent business. Capital Stock, \$50,000; 500 shares at \$100 each; amount subscribed, \$300. Place of business, San Francisco. Directors—J. H. Colbert, Wm. E. Cashman, J. J. Coghlan, 1 share each.

Jewell City Information Bureau. To conduct a service and information business. Capital Stock, \$8000; 80 shares at \$100 each; amount subscribed \$6100. Place of business, San Francisco. Directors—R. A. Wilson, 28 shares; A. B. Tebbetts, 1 share; D. A. Hagens, 32 shares.

W. A. Hammond Co. Capital Stock, \$25,000; subscribed, \$300; shares \$100 each. Directors—S. S. Stevens, H. Nohling, K. Schumm, 1 shares each. Place of business San Francisco.

LEASES.

May 14, 1915—SE WINFIELD 150 NE Eugenia Ave NE 25 SE 86.50 S 26.50 NW 95.50; Lot 219, Jacob Heyman Sub-Cobb Tract. H E and T W MacArthur to Joseph and Mary E Alameda. 90 months. \$20 per month with option to purchase.

May 13, 1915—E NOE 341-6 W 17th N 25xE 100. E B Carr to Laurent and Louis Rey and Lazare Rey as L Rey & Co. 10 years. \$8700.

May 10, 1915—NW O'FARRELL AND Stockton N 15-6 m or l by W 47 m or l. Peter Rossi to S Kerman as Bernman's Inc. 5 years. \$700 per month.

NOTICE OF NON-LIABILITY.

May 12, 1915—SE ELLIS & FRANKLIN E 55xS 60. Carrie L Dick and S W. Dick Co as to improvements on leased property

DON'T BE DECEIVED.

We will positively issue a volume called *The Associated Catalogs of Building Materials, Building Machinery and Building Equipment for Architects' use*, to be distributed free among the architects, and purchasing agents of California, Oregon, Washington, British Columbia (Pacific Slope), Idaho, Nevada and Arizona.

COMPLETION NOTICES.

San Francisco

May 1, 1915—W POWELL 91-3 N Post, N 46-1xW 80. Joseph Socko-

lov to A. J. Silva, American Elec. Eng. Co. to Central Iron Works, Phoenix Sidewalk Light Co., Peerless Agencies Co., C. J. Hillard Co., Pacific Iron Works, Peterson-James Co. April 30, 1915

May 1, 1915—N POST 50 W Larkin — 50 N 120 E 50 S 120. J H Keefe to The Turner Co. April 28, 1915

May 3, 1915—S PAGE, 175 W Shrader, W 25xS 137-6. C. E. Reinhart to F A. Hansen April 27, 1915

May 3, 1915—N BROADWAY, 87-6 E Larkin, 26x87-6. L. M. Callosso to Montani & Stefanini. May 1, 1915

May 3, 1915—NE GEARY & WOOD, E 82-6xN 100. S. F. Home for Incubables to Clinton Fireproofing Co. April 23, 1915

May 3, 1915—S TURK, 110 W Baker, 26-6x137-6, lot 31, Blk. 1151. W. S. Gilbert to whom it may concern. May 1, 1915

May 3, 1915—NE EDDY & JONES, N 137-6xE 137-6. W. E. Dean to Barrett & Hilp April 30, 1915

May 4, 1915—SW EDDY & HYDE W 137-6xS 137-6. W E Dean to R J H Forbes. May 4, 1915

May 4, 1915—W TWENTIETH AVE 300 S Geary S 25xW 120. Alfred Johnson to whom it may concern. May 1, 1915

May 4, 1915—E LA PLAYA (49th Ave) 275 S Irving 25x120. Joanna Huber to Peter M Leonard. May 3, 1915

May 4, 1915—S GEARY 82-6 W 17th Ave W 25xS 100. Geo H Cammet and Carl Mettler to Carl Mettler April 29, 1915

May 4, 1915—LOT 33 BLK "O" 2nd Addition to Glen Park Terrace being Ptn of lands of Crocker Estate Co and Sub of Lot 20 Blk "O" addition to Glen Park Terrace. Michael and Helen Harasleb to whom it may concern. Apr. 20, 1915

May 4, 1915—N CHESTNUT 68-9 E Hyde E 68-9xN 137-6. M A Humphreys to H H Maundrell. Apr 30, 1915

May 4, 1915—SW LAGUNA AND Pacific Ave S 94-8½ W 96 S 33 W 41-6 N 127-8½ E 137-6; S Pacific Ave 167-6 W Laguna W 60xS127-8½. Pacific Realty Co to Adler & Lewis. April 24, 1915

May 5, 1915—SE LONDON 50 SW Italy Ave SW 25xSE 100. Bertin and Guadalupe Boisset to J Witzelberger. April 29, 1915

May 5, 1915—LOT 21 BLK 23 Crocker Amazon Tract. Jos P Alexander to whom it may concern. Apr. 30, 1915

May 5, 1915—SW LAGUNA AND Pacific Ave S 94-8½ W 96 S 33 W 41-6 N 127-8½ E 137-6; S Pacific Ave 167-6 W Laguna W 60xS 127-8½. Pacific Realty Co to Jas P Fletcher. May 1, 1915

May 5, 1915—S MISSION, bet 4th and 5th; No. 880 Mission. Judah Boas to MacDonald & Kahn. Apr. 29, 1915

May 5, 1915—E NOE 166-6 N 17th N 75xE 180. Sarah B Tirrell, trustee to Carnahan & Mulford. April —

May 5, 1915—SW EUREKA AND 22D S 23-4xW 76. N J Nelson to whom it may concern. April 22, 1915

May 5, 1915—S TWENTY-SECOND 76 W Eureka — 24xS 93-7. N J Nelson to whom it may concern. April 22, 1915

May 5, 1915—EXPOSITION SITE. Utah Exposition Commission, lessee to Emma L Mulkey. May 5, '15

May 5, 1915—N HIGHLAND AVE 113 W Holly Park Circle W 30 N 75 SE to pt formed by intersection of two lines, 1 drawn parallel to Highland Ave and distant 69 N therefrom and the other perpendicular to Highland Ave from a pt on N Highland distant thereon 113 W Holly Park Circle S 69 being Lot 24 Blk 2, Holly Park Tract. Gertrude I Pehrson to whom it may concern. May 1, 1915

May 5, 1915—LOT 41 BLK 4, Lakeview Frank B McCarthy to Jos C Stromswold. May 3, 1915

May 5, 1915—EXPOSITION SITE. Panama-Pacific International Exposition Co to John R Cahill. May 3, 1915

May 6, 1915—LOT 17 BLK 17 A of C S Allred Sub Blocks 17 and West End Map No. 1. C S Allred to whom it may concern. May 6, 1915

May 6, 1915—E HYDE 57-6 N Washington N 25xE 87-6. Eisenbach Co to Sjogren Bros. May 5, 1915

May 6, 1915—W ELEVENTH AVE 225 N Balboa N 25x120. A T Morris to whom it may concern. May 3, 1915

May 6, 1915—S PINE 122-6 E Larkin E 50xS 137-6. Trustees S F Japanese Methodist Episcopal Church to Johnston Co (co-partnership of James T Johnson, John Branagh and Thos A Cuthbertson). May 6, 1915

May 6, 1915—E THIRTY-SECOND AV and S line Lot 16 E 78-1½ N 30-8 W parallel with S bdy of Lot 16, 79-8½ S 30-8½ ptn Lot 16, Lyon & Hoags Sub Bakers Beach Land Co. Campbell Bowie to S A Born Bldg Co. May 4, 1915

May 6, 1915—E DIVISADERO 152-8½ N Clay N 25xE 110. Juliette Block to Steur & Bury. Apr. 30, 1915

May 7, 1915—BLK BDED BY THIRD, Fourth, Townsend and King. Southern Pacific Co to American Marble & Mosaic Co. April 29, 1915

May 7, 1915—S ELLS 137-6 W Jones W 82-6xS 137-6. Traders' Realty Co to Marshall & Stearns. May 7, '15

May 7, 1915—SW EDDY AND HYDE W 137-6xS 137-6. W E Dean to MacGruer & Co. May 7, 1915

May 7, 1915—NW STOCKTON AND O'Farrell W 137-6xN 137-6. D Samuels Co to Chas B Hadley. May 4, 1915

May 7, 1915—N POST 108-9 E Polk 28-9x120. J G Kincannon and Luis Blum to whom it may concern. May 7, 1915

May 7, 1915—LOT 6 BLK 6, St. Francis Wood. Annie L Cornahrens to L Dioguardi. May 3, 1915

May 6, 1915—E MASON 62-6 S Sutter S 35xE 75. The O'Brien-Kiernan Realty Co to H L Petersen. April 27, 1915

May 6, 1915—E MASON 62-6 S Sutter S 35xE 75. The O'Brien-Kiernan Realty Co to whom it may concern. May 1, 1915

May 7, 1915—SW SANSOME AND California. Fireman's Fund Insurance Co to A J Forbes & Son. May 5, 1915

May 8, 1915—E EIGHTEENTH AVE 200 S Geary S 25xE 120. Elmer Drees to Thos Hamill. May 7, 1915

May 8, 1915—S JUDAH 82-6 W 13th Ave W 25xS 100. Samuel E Kruger to whom it may concern. May 7, 1915

May 13, 1915—E THIRTY-SECOND Ave 250 N California N 25xE 120. Mrs W M Donahue to Collman &

Collman.....May 8, 1915
May 8, 1915—NE EDDY AND FILL-
more W 137-6xN137-6. J R Hanify
to Butte Eng & Elec Co, May 5;
Kiernan & O'Brien, May 5; Stock-
holm & Allyn.....May 5, 1915
May 8, 1915—S JUDAH 107-6 W 13th
Ave W 25xS 100. Samuel E Kruger
to whom it may concern.....May 7, 1915
May 10, 1915—W LISBON 50 S Ex-
celsior Ave. Ward C Brown to
whom it may concern.....May 8, 1915
May 10, 1915—EXPOSITION SITE.
The John Bollman Co to Lange &
Bergstrom.....April 20, 1915
May 10, 1915—NW TWENTY-4TH
Ave and Balboa N 107-6xN 115-4.
Pacific Gas & Electric Co to George
S MacGruer and Robt Simpson (as
MacGruer & Co).....May 4, 1915
May 10, 1915—N CLEMENT 102-6 W
14th Ave W 25 N 100 E 15 S 25 E 10
S 75. Conservative Bldg & Invest-
ment Co to whom it may concern.
.....May 10, 1915
May 10, 1915—W SIXTEENTH AVE
246-1 S California S 25xW 120.
James Welsh to James Welsh.....
.....May 5, 1915
May 10, 1915—SW NINETEENTH &
Capp W 104-6xS 65. Trustees of
the Emanuel Church of the Evan-
gelical Ass'n to Ludwig B G Koenig
.....May 1, 1915
May 10, 1915—E PRENTISS 125 N
Jarboe Lot 827 Gift Map No. 2.
Anna Maria Czerny or Anna Marria
Czerney to New Era Bldg Co, Ins
.....May 10, 1915
May 11, 1915—E EIGHTEENTH AVE
175 S Geary S 25xE 120. W H Sale
to Thos Hamill.....May 7, 1915
May 11, 1915—N LOMBARD 166-8 E
Scott; No. 2359 Lombard. Henry
Gunzelmann to Wm Martin.....
.....May 11, 1915
May 11, 1915—W ELEVENTH AVE
300 N Balboa N 25xW 120. W F
Porter to whom it may concern...
.....May 6, 1915
May 12, 1915—W ELEVENTH AVE
325 S Lincoln Way. Chas P Shep-
herd to J A Bodine and O L Nor-
man.....April 7, 1915
May 12, 1915—S FRANCISCO 59-6 E
Hyde E 38 S 97-6 W 35 N 42-6 W
3 N 55. George A Clough to Henry
ConradMay 11, 1915
May 12, 1915—W LANGTON 225 S
Howard; Nos. 40 and 42 Langton.
T A and Agnes Reardon to George
D Gilmour.....May 10, 1915
May 12, 1915—E BRYANT 116 N 21st
N 25xE 100. S M McDonald to
Chas Coburn.....May 11, 1915
May 13, 1915—SE GREENWICH AND
Hyde S 68-9xE 100. Greenwich
Realty Co to Scott Co...May 10, 1915
May 13, 1915—NE LANGTON 155 NW
Harrison NW 25xNE 75. Bertha J
Clausen to whom it may concern..
.....May 13, 1915
May 14, 1915—N BROADWAY 68-9 W
Webster W 148-9xN 275. James L
Flood to Butte Eng & Elec Co.....
.....May 4, 1915
May 14, 1915—N VALLEJO 235 E
Kearny 20x137-6. L Camicia and E
Garity or E Garrity to Devencenzi
Bros & Co.....May 10, 1915
May 14, 1915—N CHESTNUT 68-9 E
Hyde E 68-9xN 137-6. M A Hump-
hreys to Hardwood Interior Co, Inc
May 7, '15; P J Lynch, May 7, '15;
National Elec Co.....May 13, 1915
May 14, 1915—E OAKWOOD 338 S
18th 32x105. D Campi to Giuseppe

Capelli & Co.....May 10, 1915
May 14, 1915—NE EDDY AND JONES
N 137-6xE 137-6. W E Dean to A
HausMay 12, 1915
May 14, 1915—NW JERSEY & SAN-
chez. F Wisemann to Mager Bros
.....May 14, 1915
May 14, 1915—E POWELL 137-6 N
California N 68-9xE 137-6. A W
Wilson and Jos Martin to W D
Henderson, May 7; A Gradin.....
.....May 7, 1915

LIENS FILED

SAN FRANCISCO COUNTY.

Apr. 30, 1915—S JACKSON 100 W
Baker W 31 S 127-8¼ E 25 N
27-8¼ E 6 N 100. S Petersen &
Son vs Gwilyn Jones.....\$130.2½
May 1, 1915—E COOK 238-11 N Geary
N 25xE 100. Eureka Sash, Door &
Moulding Mills vs Catherine Dixon
and M Hardy.....\$76.18
May 3, 1915—N CALIFORNIA. 125
W Scott, W 37-6xN 137-6. Luther
Metke vs. Bessie M. Proll, E. T.
Phillips\$26.50
May 3, 1915—SW CHESTNUT AND
Van Ness Ave., W 120xS 56. Hart-
wood Lumber Co. vs. B. Frankel,
Jacob Kessler and Ella C. Rohlfes,
J. H. Murphy.....\$1,009.33
May 3, 1915—SE CHESTNUT AND
Fillmore, E 87-6xS 62-6. Hart-
wood Lumber Co. vs. Alpha Realty
and Holding Co. and Robson &
Sattler\$48.55
May 3, 1915—NE POWELL and Sut-
ter. T D Gilmore vs D Berger
and Alice M. Hagar and Ethel B.
Kellog\$54.31
May 4, 1915—S LOMBARD 110-6 W
Baker W 27-6xS 137-6. Leonard
Lumber Co vs Giulio Fassio and M
Cox\$24.04
May 4, 1915—SW NIAGARA AVE
89.58 NW Mission — 25xSW 80.
United Lighting Fixture Co vs
Louis J Roberts, Lavinia Roberts
and John B Woolfrey.....\$32
May 4, 1915—NW CHESTNUT AND
Van Ness Ave W 250 N 425 E 250
S 425. R N Nason & Co vs C Card-
ashian, Northwest Constr Co and
Panama-Pacific International Ex-
position Co and American Oriental
Concessions Co.....\$506.82
May 4, 1915—SE FOLSOM & COURT-
land Ave S 43 E 70 N 87 m or 1
S 83 m or 1. Carl Frank vs John
Bianchi\$375
May 4, 1915—NW VAN NESS AVE &
Chestnut N 365 W 145 N 90 W 115
S 455 — 260. Ames Harris Neville
Co vs Northwest Constr Co, V
Cardashian, American Oriental
Concessions Co, Panama-Pacific
International Exposition Co, Julia
Rossi, Thos N and Cathe Furlong
et al\$468.93
May 5, 1915—E THIRTY-SECOND
Ave 152 S California E 120xS 26.
The H G Vaughan Constr Co vs
Thos Shea\$174.20
May 5, 1915—E COOK 238-11 N Geary
N 25xE 100. John Cassaretto vs
Catherine Dixon, M Hardy and C
Jacobsen\$27.85
May 5, 1915—EXPOSITION SITE.
The Hill Bros Co vs Pango-Pango
Co, Panama-Pacific International
Exposition Co, Kate F Austin, The
Pacific Realty Co and Geo P Mc-
Near\$465.55

May 5, 1915—SE CHESTNUT AND
Scott S 25xE 110 W A 415. Frank
Giarrutta vs Frank and Costa
Micalizzi and W E Grant.....\$172.50
May 5, 1915—E NINTH AVE 150 S
Geary S 25xE 120. Niels Jacobsen
vs Harry Foley.....\$175
May 7, 1915—SW NINETEENTH &
Texas S 25xW 100. George Y Mor-
ton vs Patrick and Kate Hannon
and B W Demarais.....\$175
May 7, 1915—SW CHESTNUT AND
Van Ness Ave W 120xS 56. N
Damonti vs J H Murphy, B Frankel,
Jacob Kessler and Ella C Rohlfes..
.....\$556.64
May 7, 1915—W SANCHEZ 139 N 24th
N 75xW 101-9. J H Kruse vs Le-
land Spencer and A Wilfert...\$55.60
May 7, 1915—SW NINETEENTH AND
Texas S 25xW 100. Empire Planing
Mill vs Patrick Hannon, Kate Han-
non and B W Demarais.....\$579.16
May 8, 1915—E CLARENDON AVE
106.60 SW Villa Terrace SW 47 SE
100 NE 16.20 N 38.09 NW 77.58, Lot
53 Ptn 32 Blk "B" Ashbury Park
Tract. Manuel I Pires vs Simons
Fout Brick Co and Harry Kothler
.....\$86.95
May 8, 1915—EXPOSITON SITE.
Julius F Hetty (as Hetty Bras.) vs
Government of Honduras, Dr. An-
tonio Fortecha & Philip Schwerdt
.....\$135
May 8, 1915—SW NINETEENH AND
Texas S 25xW 100. Joost Bros vs
Patrick and Kate Hannon and B W
Demarais\$122.72
May 10, 1915—W BRIGHTON 223-4
S Ocean Ave S 25xW 112-6; Lot 7
Blk 6943. Wilson Bros & Co vs
J C Stromswold and Frank and
Genevieve McCarthy.....\$300.95
May 10, 1915—NE LOMBARD AND
Fillmore N 60xE 110. Hart-Wood
Lumber Co vs S F Bldg Co, J C
Kane and C R Davis.....\$479.45
May 11, 1915—NW GOUGH & BAY
N 500 W 200 S 700 E 200 N 200 m
or 1. Hauptman Lumber Co vs
Panama-Pacific International Ex-
position, Nippon Kyosan Kaisha,
Inc, Exposition Service Co...\$1024.07
May 11, 1915—S LOMBARD 138 W
Baker S 137-6xW 27-6. E Palmuth
vs A Halstrom.....\$46
May 11, 1915—S BEACH 90 W Steiner
S parallel with Steiner 612.75 W
838.12 to center of Scott E 618.75
E 838.12. Hauptman Lumber Co
vs Exposition Service Co, Taihaku
Service Co, Inc and Virginia Van-
derbilt\$317.45
May 11, 1915—S BEACH 55 E Brod-
erick E 886.87 S 618.75 W 866.87 N
618.75. Hauptman Lumber Co vs
Exposition Service Co, Taihaku
Service Co, Theresa Oelrichs, Am-
brose S Carman, Jacob Bergman,
California Pacific Title & Trust Co
and Panama-Pacific International
Exposition Co\$420.41
May 11, 1915—S FRANCISCO 160-6
E Van Ness Ave E 60xS 137-6. John
Cassaretto and L D'Andrea vs
Lucius L Solomans and T W W
Berrill\$200
May 12, 1915—SE CORTLAND AVE &
Folsom; No. 1018 Cortland Ave.,
being Lot 551 Gift Hap No. 2.
Arthur Morrow vs John Bianchi..\$114
May 12, 1915—E TWENTY-SEVENTH
Ave bet West Clay Ave and Sea
Cliff Ave, Lot 54, Sea Cliff. Paul
I Karib vs Corrine M Carter, and

Graceme MacDonald & Co.\$92.50
 May 13, 1915—SW NINETEENTH & Texas S 25xW 100. J W Schouten & Co vs Patrick and Kate Hannon and B W Demarais.....\$456.96
 May 13, 1915—LOT 55 BLK 5 Holly Park Tract. H H Smith vs Jno Narbebury and P McHugh....\$104.90
 May 13, 1915—NW GOUGH AND BAY N 500 W 200 S 700 E 200 N — m or l to beg. Western Lime & Cement Co vs Exposition Service Co, Nippon Kyossan Kaisha, Inc and Panama-Pacific International Exposition Co\$190.24
 May 14, 1915—SE CHESTNUT AND Steiner E 100xS 25. Acme Lumber Co vs R W and R C Walbey, William O Crittenden, Harry P Merritt and Geo L. Streshley...\$389.44
 May 14, 1915—CORTLAND AVE NO. 1018, Lot 551 Gift Map No. 2. Bell's Wall Bedy vs John Bianchi.....\$240
 May 14, 1915—NW BAY AND LYON W 300 S to N Chestnut E 300 N to N Bay. Hauptman Lumber Co vs Exposition Service Co, Taihaku Co, Inc, Panama-Pacific International Exposition Co and Formosa Tea House\$399.29

RELEASE OF LENS

SAN FRANCISCO COUNTY.

May 13, 1915—N CALIFORNIA 25 W Leavenworth W 25xN 75. Wm A Hayes to Gerard Investment Co, Rousseau & Rousseau, Arthur and Oliver Rousseau
 May 13, 1915—S PAGE 140 E Fillmore E 25-4xS 130. W W Montague & Co, M Streeter, Thos McKee, Arden Plaster Co, Theo Binner, G W Glosser, Nilson & Arras, New Era Marble & Concrete Co, Marshall & Stearns Co, James H Hardy, Holden Deuprey Co, Schwarz & Gottlieb, The Paraffine Paint Co, F Portman, John Felix, Wm Harman, The Columbia Marble Co, Dresser, McDonnell & Co, J W Schouten Co and Empire Planning Mills to Wm Hencke, W T Gloss, Wm Baldwin and F H Born.....
 May 13, 1915—N McALLISTER 50 E Octavia E 50xN 100. John Fay to Jacob and Sarah Gordan.....
 May 13, 1915—N McALLISTER 50 E Octavia E 50xN 100. D B Macdonald to Jacob and Sarah Gordan....

OAKLAND AND ALAMEDA COUNTY

LODGE HALL—3 story and base, frame, \$20,000. Oakland, Cal. Architect, Frederick H. Soderberg, Union Bank of Savings Bldg., Oakland. Owners, Swedish Hall Association. This building has been mentioned here a number of times before. Working drawings have been completed and figures are now being taken. The building will be erected on the west side of Telegraph avenue, south of 23rd street. There will be a library, a number of lodge rooms, social hall and banquet rooms. Officers of the association will also be provided for. Interior finish will be of pine with some hardwood veneer. Hardwood floors will be used in the ball room, library and lodge hall. There will be a central heating system and open fire place. Mantel will be of brick. Exterior of the building will be faced with cement plaster on

metal lath. Plans can be secured from the architect.

LIBRARY—2 story and base, brick, \$10,000. Berkeley, Alameda Co., Cal. Architect, W. H. Ratcliff, Jr., First National Bank Bldg., Berkeley. Owners, City of Berkeley. Nineteen figures were submitted to the Berkeley City Council on May 11th for the construction of a new building to be erected on San Pablo and University avenues. Alfred Olson submitted the lowest bid at \$7,630. All bids have been taken under advisement. Further mention of the work will be made when an award is made. A complete list of the bids submitted will be found under the heading of Oakland and Alameda County in this issue.

CHURCH—1 story and base, frame, \$15,000. Oakland, Cal. Architect, William A. Newman, David Hewes Bldg., S. F. Owners, 7th Church of Christ, Scientist, Contractors, Anthony & Heyer, Dalziel Bldg., Oakland, general construction only. Contract price, \$8,000. This contract does not include art glass, heating, interior decorating or plaster. These contracts will be awarded later.

RESIDENCES—3, 2 story and base, frame, \$11,500. Berkeley, Alameda Co., Cal. Architect, A. W. Cornelius, Merchants National Bank Bldg., San Francisco. Owner, S. W. Waterhouse, 474 North First, San Jose. Contractor, L. A. Rose, 549 Monadnock Bldg., S. F., is superintending the construction of three modern residences at the corner of Oakvale and Claremont streets. Each of the houses has been designed to contain seven rooms with bath and sleeping porch. Interior finish will be of pine and hardwood. Hardwood floors are specified. There will be furnace heat and open fire places. Mantels will be of tile or brick. Tile wainscot will be used in the bath rooms. Automatic water heaters are specified. Exterior of the dwelling will be covered with cement plaster on metal lath. Mr. Rose is now taking subfigures on all parts of the work.

RESIDENCE — 2 story and base, frame, \$15,000. Oakland, Cal. Architect, Edward T. Foulkes, Crocker Bldg., S. F. Owner, Leland S. Scott. The dwelling will be erected in Crocker Highlands, and has been designed for a ten-room house with several baths and sleeping porch. Interior finish will be of pine and hardwood with white enamel in the bed rooms. Hardwood floors will be used in the principal rooms. There will be a central heating system, either furnace heat or hot water system. A hot water circulating system will also be installed. There will be open fire places with tile or brick mantels. Bath rooms will be finished in tile. A garage will be erected in the rear of the property. Exterior of both the dwelling and garage will be covered with cement plaster on metal lath. Plans are complete and figures are being taken.

APARTMENT HOUSE TRIM, ELECTRIC WORK, ETC.—4 story and base, Class C construction. Cost not stated. Oakland, Cal. Architects, Richardson & Burrell, Albany Bldg., Oakland. Owners, Security Realty Co. The architects are now taking figures on the following work in connection with the four-story apartment house under construction on Alice street: Hardwood

interior finish, hardwood floors, fountain, electric work, elevator work, ornamental iron, marble and Caen stone mantels.

APARTMENT HOUSE—4 story and base, brick and frame, \$75,000. Oakland, Cal. Architects, Richardson & Burrell, Albany Bldg., Oakland. Owners, Sommarstrom Bros. The building will be erected at the corner of Alice and 14th streets, covering an area of 100 by 130 feet. There will be a total of 36 apartments of three, four and five rooms. Interior will be finished in pine and hardwood with hardwood floors. There will be steam heat, an automatic elevator and hot water supply. All suites will have wall beds and private bath rooms. Tile wainscot and floors will be used in the bath rooms. Marble and tile will be used in the entrance. Exterior of the building will be faced with pressed brick trimmed with stone. Plans will be out for figures in about a week.

FLATS—2 story and base, frame, \$4,500. Berkeley, Alameda Co., Cal. Architect, F. Holberg Reimers, 2125 Shattuck avenue, Berkeley. Owner, Miss Frances O'Meara. The building will be erected on Rose street, and has been designed to contain two modern flats of five and six rooms. Interiors will be finished in pine and elm panels. Hardwood floors will be used in the living and dining rooms. There will be open fire places and tile or brick mantels. Tile wainscot will be used in the bath rooms. Automatic water heaters will be installed. Exterior of the building will be covered with rustic. Plans are complete and figures are being taken.

INFIRMARY GROUP—1, 2 and 4 story, Class A buildings, \$1,000,000. Oakland, Cal. Architect, Charles Peter Weeks, Mutual Bank Bldg., S. F. Owners, Alameda County. The Alameda County Supervisors have issued a call for bids for the excavating and foundation work on the men's and women's dormitories and day hall building. This is the first unit of the new million-dollar infirmary designed by Charles Peter Weeks. Plans can be secured at his office.

APARTMENT HOUSE ALTERATIONS AND ADDITIONS—Frame, \$12,000. Oakland, Cal. Architects, Richardson & Burrell, Albany Bldg., Oakland. Owner's name withheld. The present two-story frame building arranged for flats will undergo extensive alterations. There will be a total of 12 apartments of two, three and four rooms. Included in the work will be new interior finish, plumbing, plastering, electric work and steam heat. Bath rooms will be finished in tile. Exterior of the building will be covered with cement plaster on metal lath. Plans are complete and figures are being taken.

THEATRE—1 story and base, brick and concrete, \$12,000. Oakland, Cal. Architect's name not given. Owner, D. Dwyer, 4086 Piedmont avenue, Oakland. The building will be erected at the southeast corner of Piedmont avenue and 41st street. The main body of the theatre will seat 400 people. Interior will be finished in pine and ornamental plaster. Special electric work will be installed. There will be a modern system of ventilation. Exterior of the building will be covered with cement plaster. Plans are

complete and in the hands of the owner who will do the work by Day Labor.

Berkeley City Council Opens Library Bids.

Alfred Olsen Low for Two-story Brick Structure and Will Probably Be Awarded The Contract.

Bids were opened by the Berkeley City Council on Tuesday morning for the construction of a two-story brick library building to be erected at the corner of San Pablo and University avenues. The building was designed by Architect W. H. Ratcliff Jr. Alfred Olsen submitted the lowest bid at \$7,630. All figures were referred to a committee of the whole and the architect. Following is a complete list of the bids received:

Berkeley Library.

Oscar Sairanen	\$9,840
Alfred Olson	7,630
H. A. Klyce	8,140
Carnahan & Mulford	8,785
William A. Newsom	9,505
D. O. Church Co.	8,939
J. Wendering	7,990
P. A. Palmer	8,400
W. D. Henderson	8,187
W. G. McGinty & Son	8,280
W. Martin	9,857
Donnavant-Oakley Co.	5,494
Porter Bros.	9,280
E. J. Aalto	8,948
Walter Sorenson	8,497
Phil Sheridan	8,571
H. P. Nelson	8,635
Koski Bros.	9,240
Lester H. Stock	9,500

Building Contracts Awarded.

Oakland.

853 Childs	George	400
854 Montgomery	Owner	1950
857 Sampson	Doane	500
858 Phillips	Wooley	2000
860 Davies	Scott	2000
864 Wilkinson	Hopper	330
865 Hammarberg	Owner	2400
866 Cook	Cook	600
867 Barnett	Jones	750
874 Allen	Banning	4995
881 Robertson	Peterson	2200
883 Strang	Strang	1800
884 Same	Same	1800
885 McKeelups	Woodard	3000
886 Alta Piedmont	Burtchaeil	851
887 McDonnell	Ayton	400
888 Spooner	Haskell	700
892 Johnson	Griffin	1600
893 Smith	Luthge	400
895 Fitch	Fitch	600
896 Langtry	Langtry	500
897 Kolen	Kolen	2000
898 Neary	Neary	400

REPAIRS

(853) NO. 807 WASHINGTON, Oakland. Fire repairs.
Owner.....E. Childs, 123 Bancroft, Berkeley.
Architect...None.
Contractor...E. O. George, 1027 Madison, Oakland.
COST, \$400

DWELLING

(854) S RICH 561 W Webster, Oakland. One-story 5-room dwelling.
Owner.....W. S. Montgomery, 2321 Ward, Berkeley.
Architect...None.
Day's work, COST, \$1950

ALTERATIONS

(857) NO. 1708 FILBERT, Oakland. Alterations.
Owner.....W. S. Sampson, 3502 Grove, Oakland.
Architect...None.
Contractor...Sampson & Doane, 3502 Grove, Oakland.
COST, \$500

DWELLING

(858) S FORTY-FOURTH 30 W Shafter Ave., Oakland. One-story 5-room dwelling.
Owner.....R. B. Phillips, 1062 55th, Oakland.
Architect...None.
Contractor...Wooley & Rich, 3868 Lusk, Oakland.
COST, \$2000

DWELLING

(860) S WALNUT 124 E Renwick, Oakland. One-story 5-room dwelling.
Owner.....R. Davies, 1540 Broadway, Oakland.
Architect...None.
Contractor...Scott & Miller, 921 26th Ave., Oakland.
COST, \$2000

REPAIRS

(864) NO. 5320 THOMAS, Oakland. All work for fire repairs to dwelling.
Owner.....A. E. Wilkinson, 801 Lerida Ave., Oakland.
Architect...None.
Contractor...M. E. Hopper & Sons, 90 Glen Ave., Oakland.
Filed May 10, '15. Dated May 5, '15.
Completed\$330
TOTAL COST, \$330
Bond, limit, forfeit, none. Plans and specifications, none.

DWELLING

(865) W SANTA CLARA AVE 337 S Chetwood, Oakland. One-story six-room dwelling.
Owner.....A. Hammarberg, 3228 Adeline, Berkeley.
Architect...None.
Day's work. COST, \$2400

ADDITION

(866) S NORMANDIE AVE 170 E Morcom, Oakland. Addition.
Owner.....Jno. J. Cook,
Architect...None.
Day's work. COST, \$600

ALTERATIONS

(867) SE EIGHTH & FALLON, Oakland. Alterations.
Owner.....Frank Barnett, Premises.
Architect...None.
Contractor...Jones, Oakland.
COST, \$750

FRAME STORE AND DWELLING

(874) W COLLEGE AVE being ptn Lot 18 Map Hempill Court, Oakland. All work for two-story frame store and dwelling.
Owner.....Alexander Allen, Oakland.
Architect...None.
Contractor...R. H. Banning & Jas. E. Stewart, 107 Delano Ave., San Francisco.
Filed May 12, '15. Dated May 8, '15.
2nd floor joists in place.....\$ 800.00
Roof completed 800.00
Completed and accepted..... 1246.25
Usual 35 days..... 1248.75
TOTAL COST, \$4995.00
Bond, \$2500. Surety, Aetna Accident & Liability Co. Limit, 75 days after May

10. Forfeit, none. Plans and specifications filed.

BRICK OVEN

(881) NOS. 461-463 FIFTY-NINTH, Oakland. brick oven.
Owner.....Robertson & West, Prem.
Architect...None.
Contractor...Peterson Oven Co.
COST, \$2200

DWELLING

(883) E ARDLEY 35 S E-38th, Oakland. One-story 5-room dwelling.
Owner.....V. N. Strang, 1521 9th, Alameda.
Architect...None.
Day's work. COST, \$1800

DWELLING

(884) E ARDLEY 70 S E-38th, Oakland. One-story 5-room dwelling.
Owner.....V. N. Strang, 1521 9th St., Alameda.
Architect...None.
Day's work. COST, \$1800

DWELLING

(885) E EDGEWOOD 40 S Hollywood, Oakland. Two-story 8-room dwlg.
Owner.....D. McKeelups, Oakland.
Architect...None.
Contractor...E. W. Woodard, 4031 Brighton Ave., Oakland.
COST, \$3000

FRAME DWELLING

(886) LOT 71 AND PTN LOT 70 lying W line parallel to W boundry line Lot 70 and distant at L 25 E therefrom Map Crocker Highlands, Oakland. Plumbing work and fixtures, water piping and fixtures, gas piping, etc., for two-story frame dwelling.
Owner.....Alta Piedmont Land Co., Oakland Bk of Svgs., Okd.
Architect...Henry H. Gutterson, 80 Post, San Francisco.
Contractor...G. T. Burtchaeil and D. Crowley, 1621 Broadway, Oakland.
Filed May 13, '15. Dated May 11, '15.
Roughed in\$300.00
Completed and accepted..... 300.00
Usual 35 days..... 251.50
TOTAL COST, \$851.50
Bond, \$425.75. Surety, Southwestern Surety Insurance Co. Limit, 93 days.
Forfeit, \$5. Plans and specifications filed.

STORE

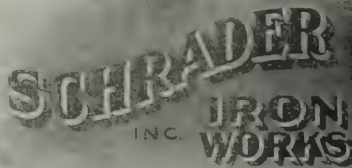
(887) S CLAREMONT AVE 60 E Telegraph Ave., Oakland. One-story store
Owner.....Mrs. P. McDonnell, 5116 Claremont Ave., Oakland.
Architect...None.
Contractor...F. G. T. Ayton, 5237 Miles Ave., Oakland.
COST, \$400

ALTERATIONS

(888) NO. 1181 THIRTY-FOURTH, Oakland. Alterations.
Owner.....Mary K. Spooner, Premises
Architect...None.
Contractor...Albert A. Haskell, 3122 Magnolia, Oakland.
COST, \$700

DWELLING

(892) N E-SIXTEENTH 150 E 15th Ave., Oakland. One-story 5-room dwelling.
Owner.....J. L. Johnson, 15th Ave and E-16th, Oakland.
Architect...None.



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Contractor...C. M. Griffin.

COST, \$1600

ADDITION

(833) NO. 1029 THIRTY-NINTH, Oakland. Addition.

Architect...F. A. Smith, 473 13th, Okd.

Contractor...J. H. Lathrop, 1019 Spring, Oakland.

COST, \$400

DWELLING

(834) SW EIGHTY-SIXTH AVE AND "E," Oakland. One-story 4-room dwlg

Owner.....Chas. A. Fitch, 99 Tunnel, Alameda.

Architect...None.

Day's work. COST, \$600

ALTERATIONS

(836) NO. 1059 TWELFTH, Oakland. Alterations.

Owner.....R. Langtry, 177 8th, Okd.

Architect...None.

Day's work. COST, \$500

DWELLING

(837) S DAMUTH 250 W Lincoln, Oakland. One and one-half-story five-room dwelling.

Owner.....Ole Kolen, 3127 Bruce, Okd

Architect...None.

Day's work. COST, \$2000

ALTERATIONS

(838) NO. 1528 ADELINE, Oakland. Alterations.

Owner.....Wm. F. Neary, 1723 Telegraph Ave., Oakland.

Architect...None.

Day's work. COST, \$400

BUILDING CONTRACTS

Berkeley.

No.	Owner	Contractor	Amt.
855	Gamm	Kidder	13800
855	Peake	Peake	400
856	Young	Simon	2000
859	Potter	Button	3500
861	Waterhouse	Rose	3794
862	Waterhouse	Rose	3872
863	Waterhouse	Rose	3796
871	Hodghead	Sorensen	1082
881	Morris	Engler	2000
889	Peake	Peake	400
890	Same	Same	400
891	Same	Same	400
894	Hampton	Young	1800
899	Store	Store	1350
900	Jackson	McGovern	3479

FRAME CLUB HOUSE

(852) N HEARST AVE 175 W Le Roy Ave E 100XN 111X5, Berkeley. All work for three-story frame club house.

Owner.....California Gamma Phi Kappa Psi House Association, Berkeley.

Architect...Harris Allen, Central Bk. Bldg., Oakland.

Contractor...Foster & McCullough, 2025 Addison, Berkeley.

Filed May 8, '15. Dated May 6, '15.

Frame up 1/4

Brown coated 1/4

Completed and accepted..... 1/4

Usual 35 days..... 1/4

TOTAL COST, \$13,800

Bond, \$6900. Sureties, F. E. Armstrong and B. E. Underwood. Limit, Aug. 7, 1915. Forfeit, none. Plans and specifications filed.

ALTERATIONS

(855) SE DERBY AND MABLE, Berkeley. Alterations.

Owner.....F. R. Peake Co., 2127 University Ave., Berkeley.

Architect...None.

Day's work. COST, \$400

ALTERATIONS

(856) ALCATRAZ AVE AND ELLIS, Berkeley. Alter flats into apartments

Owner.....H. Young, 727 Alcatraz Ave., Berkeley.

Architect...None.

Contractor...Otto H. Simon, 1528 Alcatraz Ave., Berkeley.

COST, \$2000

DWELLING

(859) E MARIPOSA 340 S Los Angeles Berkeley. Two-story 8-room dwlg.

Owner.....Alfred I. Potter, Terrace Walk, Berkeley.

Architect...None.

Contractor...Frank Button, 1069 Mari-
posa Ave., Berkeley.

COST, \$3500

FRAME DWELLING

(861) LOT 9 MAP OAKVALE, Claremont, Berkeley. Excavating, grad-

ing concrete work, brick work, carpenter work, electric, plumbing,

plastering, hardware, glass, and painting for two-story frame dwlg.

Owner.....S. W. Waterhouse, 474 N-
First, San Jose.

Architect...A. W. Cornelius, Merchants National Bank Bldg., S. F.

Contractor...L. A. Rose, Monadnock Bldg., San Francisco.

Filed May 10, '15. Dated May 8, '15.

Frame up 1/4

Brown coated 1/4

Completed 1/4

Usual 35 days..... 1/4

TOTAL COST, \$3794

Bond, \$1936. Surety, Southwestern Surety Insurance Co. Limit, 60 days.

Forfeit, none. Plans and specifications filed.

FRAME DWELLING

(862) LOT 2 MAP OAKVALE, Claremont, Berkeley. Excavating, grad-

ing concrete work, brick work, carpenter work, electric, plumbing,

plastering, hardware, glass, and painting for two-story frame dwlg.

Owner.....S. W. Waterhouse, 474 N-
First, San Jose.

Architect...A. W. Cornelius, Merchants National Bank Bldg., S. F.

Contractor...L. A. Rose, Monadnock Bldg., San Francisco.

Filed May 10, '15. Dated May 8, '15.

Frame up 1/4

Brown coated 1/4

Completed 1/4

Usual 35 days..... 1/4

TOTAL COST, \$3872

Bond, \$1936. Surety, Southwestern Surety Insurance Co. Limit, 60 days.

Forfeit, none. Plans and specifications filed.

FRAME DWELLING

(863) LOT 3 MAP OAKVALE Claremont, Berkeley. Excavating, grad-

ing concrete work, brick work, carpenter work, electric, plumbing,

plastering, hardware, glass, and painting for two-story frame dwlg.

Owner.....S. W. Waterhouse, 474 N-
First, San Jose.

Architect...A. W. Cornelius, Merchants National Bank Bldg., S. F.

Contractor...L. A. Rose, Monadnock Bldg., San Francisco.

Filed May 10, '15. Dated May 8, '15.

Frame up 1/4

Brown coated 1/4

Completed 1/4

Usual 35 days..... 1/4

TOTAL COST, \$3796

Bond, \$1936. Surety, Southwestern Surety Insurance Co. Limit, 60 days.

Forfeit, none. Plans and specifications filed.

ADDITION AND REPAIRS

(873) NO. 1711 EUCLID AVE, being Lot 3 Bldg 13 Daley's Scenic Park, Berkeley. All work for addition and repairs.

Owner.....Beverly S. Hodghead, 1715 Euclid Ave., Berkeley.

Architect...Knight & Holden.

Contractor...Walter Sorensen, 3219 Ellis, Berkeley.

Filed May 12, '15. Dated May 12, '15.

Joists in place..... 1/4

Completed and accepted..... 1/4

Usual 35 days..... 1/4

TOTAL COST, \$1982

Bond, none. Limit, 35 days. Forfeit, none. Plans and specifications, none.

DWELLING

(882) E CHAPEL 104 N Bancroft, Berkeley. One and one-half-story 6 room dwelling.

Owner.....A. M. Morris.

Architect...None.

Contractor...Louis Engler, 2721 Haste, Berkeley.

COST, \$2000

REPAIRS

(889) W GROVE 40 N Channing, Berkeley. Repairs.

Owner.....F. R. Peake Co., 2127 University Ave., Berkeley.

Architect...None.

Day's work. COST, \$400

REPAIRS

(890) W GROVE 80 N Channing, Berkeley. Repairs.

Owner.....F. R. Peake Co., 2127 University Ave., Berkeley.

Architect...None.

Day's work. COST, \$400

REPAIRS

(891) W GROVE 120 N Channing, Berkeley. Repairs.

Owner.....F. R. Peake Co., 2127 University Ave., Berkeley.
Architect...None.
Day's work. COST, \$100

DWELLING
(894) E TAMALPIAS 75 W Tallac, Berkeley. One-story 5-room dwlg.
Owner.....Chas. L. Hampton, Yreka, California.
Architect...None.
Contractor...J. C. Young, Live Oak, Cal.
COST, \$1800

DWELLING
(899) S HASKELL 240 E San Pablo Ave., Berkeley. One-story 4-room dwelling.
Owner.....S. W. Store, 1212 Haskell, Berkeley.
Architect...None.
Day's work. COST, \$1350

PATTERN STORAGE BUILDING
(900) N CARLTON 1200 W Seventh, Berkeley. All work for pattern storage building.
Owner.....Byron Jackson Iron Works 357 Market, San Francisco.
Engineer...Robert Schorr, Postal Telegraph Bldg., S. F.
Contractor...McGovern & Jones, Bkly. Filed May 14, '15. Dated May 14, '15.
Frame up 50%
Completed 25%
Usual 35 days..... 25%
TOTAL COST, \$3479
Bond, limit, forfeit, none. Specifications only filed.

Alameda.

No.	Owner	Contractor	Amt.
868	St. Joseph's Ch.....	Smith	500
869	Gay	Andersen	1000
870	Strang	Strang	2500
871	West End Land.....	Owner	1200
872	Domoto	Enomoto	2000
875	Brown	Laughlin	1775
876	Noble	Noble	1800
877	Noble	Noble	2000
878	Noble	Noble	2000
879	Underhill	Rockingham	500
880	Delaney	Randlett	3900
901	Brown	Laughland	1774

ADDITION
(868) CHESTNUT & SAN ANTONIO Ave., Alameda. Addition.
Owner.....St. Joseph's Church.
Architect...None.
Contractor...J. W. Smith, 2109 Santa Clara Ave., Alameda.
COST, \$500

ALTERATIONS
(869) NO. 1834 SAN ANTONIO AVE., Alameda. Alterations.
Owner.....T. E. Gay, Premises.
Architect...None.
Contractor...H. C. Andersen, 1229 Pearl, Alameda.
COST, \$1000

DWELLING
(870) NO. 3241 FAIR VIEW, Alameda. Two-story 6-room dwelling.
Owner.....F. N. Strang, 805 Pacific Ave., Alameda.
Architect...None.
Day's work. COST, \$2500

DWELLING
(871) NO. 1203 BUENA VISTA AVE., Alameda. One-story 4-room dwlg.
Owner.....West End Bldg Ass'n., 1600 Webster, Alameda.
Architect...L. H. Ford.
Day's work, COST, \$1200

ADDITION
(872) NO. 5000 MELROSE AVE., Alameda. Four-room addition to dwlg.
Owner.....T. Domoto, Premises.
Architect...None.
Contractor...Frank Enomoto, 11 Pacific Ave., Alameda.
COST, \$2000

ALTERATIONS
(875) NO. 3223 CENTRAL AVE., Alameda. Alterations and repairs.
Owner.....Maurice Brown, 1346 Park, Alameda.
Architect...None.
Contractor...John Laughlin, 575 Bellvue Ave., Oakland.
COST, \$1775

DWELLING
(876) NO. 2528 BUENA VISTA AVE., Alameda. One-story 5-room dwlg.
Owner.....G. H. Noble, 2220 Central Ave., Alameda.
Architect...None.
Day's work. COST, \$1800

DWELLING
(877) NO. 2535 BUENO VISTA AVE., Alameda. One-story 5-room dwlg.
Owner.....G. H. Noble, 2220 Central Ave., Alameda.
Architect...None.
Day's work. COST, \$2000

DWELLING
(878) NO. 2530 BUENA VISTA AVE., Alameda. One-story 5-room dwlg.
Owner.....G. H. Noble, 2220 Central Ave., Alameda.
Architect...None.
Day's work. COST, \$2000

ADDITION
(879) NO. 1521 SCHILLER, Alameda. Addition.
Owner.....Delaney & Randlett, 2303 Central Ave., Alameda.
COST, \$500

DWELLING
(880) NO. 2866 CENTRAL AVE., Alameda. Two-story 7-room dwelling.
Owner.....W. A. Underhill, Premises.
Architect...None.
Contractor...J. H. Rockingham, 2306 San Jose Ave., Alameda.
Architect...None.
Day's work. COST, \$3900

DWELLING
(901) NO. 3223 CENTRAL AVE., Alameda. All work for alterations to two-story dwelling.
Owner.....Dr. M. W. Brown, 1336 Park, Alameda.
Architect...None.
Contractor...Jno. Laughland, 575 Bellevue Ave., Oakland.
Filed May 14, '15. Dated May 4, '15.
1st and 15th of each month.... 75%
Usual 35 days..... 25%
TOTAL COST, \$1774
Bond, \$1000. Sureties, Wm. Laughland and E. N. Walter. Limit, 40 days. Forfeit, \$1. Plans and specifications filed.

COMPLETION NOTICES.

ALAMEDA COUNTY

May 1, 1915—NO LOCATION GIVEN.
Francis W. Harding to Walter H. Creighton.....May 1, 1915
May 4, 1915—PTN LOTS 9 AND 10 Blk 1 Map Resbdvn of Ptn Blk 1, Map Fitchburg Homestead Lots,

Okd. Everett Elrod to whom it may concern.....April 21, 1915
May 4, 1915—S COUNTY ROAD leading from Irvington to Niles and formerly known as the Carter Tract. Richard Lriscoll to F C Griffin & Sons.....Dec. 5, 1914
May 5, 1915—LOT 21 BLK 16 North Cragmont, Oakland Tp. Ethel M. Essig to F R Peake Co...May 1, 1915
May 5, 1915—LOT 8 Map Craig Ppty, Piedmont. C M and Zada L Blabon to C M BlabonApril 3, 1915
May 5, 1915—SE PARKER & MABEL being Lot 1 Blk 20 Mathews Tract, Bkly. Gustaf Johanson to whom it may concern.....April 26, 1915
May 6, 1915—NW NINETEENTH AV 40 NE E-23 NE 40xNW 125, Okd. Mary E Bemis to H A Lanpher and R Wallace (Wallace & Lanpher).....May 2, 1915
May 6, 1915—LOT 2 Map Nova Piedmont, Piedmont. F H Harding to Walter H Creighton.....May 1, 1915
May 7, 1915—LOT 1 BLK J Flint Tct No. 4, Okd. Charles L Hogue to Guy Taylor.....May 5, 1915
May 8, 1915—LOT 53 and N 7½ Lot 54 Blk "H" Broadway Terrace, Okd. H Goranson to whom it may concern.....May 8, 1915
May 8, 1915—N EVERETT 10 E Elbert, being No. 1136 Everett, Okd. G W Henderson by E W Woodard to E W Woodard.....May 8, 1915
May 8, 1915—PTN LOTS 14 AND 15 Blk 13 Map McGee Tract, Bkly. E F Millien to Benjamin WashauerMay 7, 1915
May 10, 1915—N MARIN 60 E Peralta Ave, Northbrae Tract, —, J S Killam to M P Brasch..May 3, 1915
May 10, 1915—SW 15 LOT 14 and NE 22½ Lot 15 Blk 1 Map Key Route Heights, Okd. Alameda Investment Co to whom it may concern.....May 3, 1915
May 10, 1915—(1) NE WALLA VISTA Ave 100 W Lake Shore Ave; (2) NE Walla Vista Ave 200 N Lake Shore Ave, Okd. R S Hewitt to W M Greuner.....May 8, 1915
May 11, 1915—LOT 8 BLK 8 Melrose Heights Tract; being No. 5440 Foot Hill Blvd, Okd. Wm R Barstow to Edwin C Graff.....May 11, 1915
May 12, 1915—SE E-SIXTEENTH & 22nd Ave, Okd. M J Dowd to A J Bellefontaine.....Apr. 17, 1915
May 15, 1915—LOT 36 BLK 1 Map Melrose Heights, Okd. J A Smilie to whom it may concern..Apr. 10, '15

LIENS FILED.

ALAMEDA COUNTY.

Apr. 21, 1915—LOTS 307, 309 & 311, Map Terminal Junction Tct, Okd. F I Peacock vs A P Buchanan..\$930
May 3, 1915—S 40, LOT 4, BLK H, Map Weston Tract, Oakland. J. W. Swift and R. C. Wilcox (Swift & Wilcox) vs. Mary Grace Dwyer, Leo L. Nichols and J. H. Kirk..\$127.85
May 4, 1915—S 40 LOT 4 BLK "H" Map Weston Tract, Okd. Marshall & Stearns Co vs Mary Grace Dwyer, Leo L. Nichols, First Doe, Second Doe, Third Doe\$59
May 4, 1915—N SIXTH 75 W Grove W 75x100, Okd. Hogan Lumber Co vs K Rubenstein and Louis Rothenberg\$237.90
May 4, 1915—SE FORTY-FIRST &

Broadway E 100xS 150, Okd. W P Fuller & Co vs Mary Grace Dwyer and J E Lanches.....\$55.90
 May 5, 1915—LOT 33 BLK 531 4th Ave Terrace, Okd. C F Lodge and A Mikkelsen vs Cecilia Simpson and Torrence S Petersen.....\$190
 May 6, 1915—E 45 LOTS 16 AND 17 Blk "B" Map Leviston Tract, Bkly. John Heikkila vs Gustaf Johanson.....\$369.40
 May 6, 1915—NE THIRTEENTH AV 112½ SW E-17th NW 100xSW 37½, Okd. Melrose Lumber & Supply Co vs Ike H Harold and R E Moore.....\$322.69
 May 5, 1915—LOT 36 BLK 4 Map Melrose Heights Tract, Okd. Olof Tillman vs H F Tillmar, T S Peterson and John Doe Smiley.....\$50
 May 7, 1915—E EMERSON 65 fm SW line E-37th SW 35 SE 100 N 49-51 NW 65, Okd. G L Tyler (Bay City Roofing Co) vs G H Lewis and L H Montgomery.....\$20
 May 8, 1915—E 39-3 LOT 18 BLK 15 Map Daley's Scenic Park, Bkly. F W Foss Co vs Maud Weisgerber.....\$166.99
 May 10, 1915—LOT 36 BLK 4 Map Melrose Heights, Okd. F O, W A and C A Wallace (Wallace Bros) vs H F Tillman and T S Peterson..\$16.75
 May 10, 1915—LOT 20 and W 25 Lot 19 Blk "Q" Map No. 2 Sbdvn Ptn Central Oakland Tract E of Telegraph Ave, Okd. Pacific Fuel & Building Material Co vs Eugene A Schmidt.....\$294.60
 May 11, 1915—LOT 36 BLK 4 Map Melrose Heights, Okd. Carl Johnson vs H F Tillman, T S Peterson and John Doe Smiley.....\$50
 May 10, 1915—NW JOSEPHINE AND Rose, Bkly. Paul T Swedberg vs Gustaf and Landra Johanson....\$48
 May 11, 1915—SW EIGHTH AND Webster S 75xW 75, Okd. Nils Anderson vs Gee Sam Kee and Bertha A Sneathen.....\$2825
 May 11, 1915—SE PARKER & MABEL 40x132-6, Bkly. Frank and Henry Jepsen (Jepsen Bros) vs G Johanson.....\$114.20

RELEASE OF TENS

ALAMEDA COUNTY

May 8, 1915—LOTS 1 AND 2 BLK 2, Map Cragmont, Bkly. F W Foss Co to H H Gastman.....\$72.78

SAN JOSE AND THE SANTA CLARA VALLEY

SCHOOL—2 story and base, frame, \$25,000. Daly City, San Mateo Co., Cal. Architects, Thomas Edwards and Ernest Norberg, Bank Bldg., Burlingame. Owner, Daly City School District. Preliminary plans for a two-story, eight class room building have been submitted to the Board of Education and have met with their approval. Besides the class rooms the building has been designed to contain an assembly hall, library and principal's office. Interior finish will be of pine throughout. Maple floors will be used in the class rooms. A central heating system is specified, probably furnace heat with an oil burning system. Modern school plumbing, program clocks and vacuum cleaning will be installed. The exterior of the building will be faced with cement plaster. Further mention will

be made of the work when bids are called for.

SEWER REPAIRS—Cost not stated. San Jose, Santa Clara Co., Cal. Engineer, City Engineer, San Jose. Owners, City of San Jose. At the last meeting of the City Council the City Engineer was instructed to prepare plans and specifications for the repairing of the city's outfall sewer. Bids on this work will be called for on the completion and adoption of the plans.

ROAD CONSTRUCTION AND REPAIRS—\$5,000. San Jose, Santa Clara Co., Cal. Engineer, County Surveyor, San Jose. Owners, Santa Clara County. The County Supervisors have adopted plans and specifications prepared by the County Surveyor for the repair and construction of five and one-half miles of the San Jose and Alviso road, and the County Clerk has been instructed to advertise for bids on this work to be received up to 11 a. m. June 7th. Plans and specifications for the work may be obtained from the County Surveyor at San Jose.

ROAD IMPROVEMENT — Cost not stated. Salinas, Monterey Co., Cal. Engineer, County Surveyor, Salinas. Owners, Monterey County. Plans have been completed and figures are now being taken for the improvement of the Salinas-Monterey road from the limits of the town of Salinas to the northern end of the Hilltown bridge. Bids for this work will be opened on June 8th. Plans and specifications can be secured from the County Clerk at Salinas.

ROAD IMPROVEMENT — Cost not stated. Salinas, Monterey Co., Cal. Engineer, County Surveyor, Salinas. Owners, Monterey County. Plans are complete and figures are now being taken for the improvement of the Salinas-Watsonville road near Watsonville Junction. Bids will be opened on June 8th. Plans and specifications can be secured from the County Clerk at Salinas.

Contracts Awarded.

BRIDGE—Reinforced concrete, \$5,280. San Jose, Santa Clara Co., Cal. Engineer, County Surveyor, San Jose. Owners, Santa Clara County. Eleven bids were opened for the construction of a bridge on the San Jose and Los Gatos road over the Los Gatos Creek. John W. Williams of San Jose was low at \$5,280. He has been awarded the contract.

COUNTY ROAD IMPROVEMENT — Cost as follows. Redwood City, San Mateo Co., Cal. Engineer, County Surveyor, Redwood City. Owners, San Mateo County. Contractor, T. C. Rice, Redwood City. Contract price, grading, 50c per cubic yard; filling, 85c per cubic yard; sidewalks, 13½c per square foot, and curbs, 40c per lineal foot.

STREET PAVING—Cost not stated. San Jose, Santa Clara Co., Cal. Engineer, City Engineer, San Jose. Owners, City of San Jose. Contractor, W. J. Jessup, San Jose. Contract price not stated.

BUILDING CONTRACTS

SANTA CLARA COUNTY.

FRAME APARTMENTS

N TENTH, bet. Santa Clara and St. John Sts., San Jose. All work for two-story frame apartment.

Owner.....E. H. Baker, 121 W-Santa Clara, San Jose.

Architect...F. D. Wolfe, 1st National Bank Bldg., San Jose.

Contractor...A. C. Church, San Jose. Filed Apr. 29, '15. Dated Apr. 26, '15.

2nd floors joists in place...\$1040.62½

When roofed 1040.62½

Inside wood work completed 1040.62½

When completed 1040.62½

Usual 35 days..... 1387.50

TOTAL COST, \$5550.00

Bond, \$2775. Sureties, A. Williams, J. H. Pierce, F. D. Wolfe, C. Brown and C. Fuhrman. Limit, 90 days. Forfeit, none. Plans and specifications filed.

FRAME DWELLING

ON L'LAGAS AVE, being part of the northerly of Lot 102 Morgan Hill Ranch Map No. 3 of record in Santa Clara County. All work for two-story frame dwelling.

Owner.....G. W. Lane, San Jose.

Architect...G. W. Lane.

Contractor...F. E. Allen, 468 34th St., Oakland.

Filed Apr. 27, '15. Dated Apr. 21, '15.

Frame up\$1000

Brown plaster on..... 1000

Building completed 1000

Usual 35 days..... 1000

TOTAL COST, \$4000

Bond, none. Limit, 90 days. Forfeit, \$10 per day. Plans and specifications filed.

FRAME DWELLING

W SIXTEENTH ST., near Empire, Blk 17 Cook & Brankam Add'n, San Jose.

All work for frame dwelling.

Owner.....Pearl Page, San Jose.

Designer...L. I. Kelly.

Contractor...L. I. Kelly, 6 Mayellen Ave., San Jose.

Filed May 6, '15. Dated May 3, '15.

Frame up\$400

When plastered 400

When accepted 400

Usual 35 days..... 400

TOTAL COST, \$1600

Bond, limit, forfeit, none. Plans and specifications filed.

MACHINE SHOP

NW COR. RIVER AND SANTA CLARA, San Jose. All work except corrugated galvanized iron, nails, washers for two-story frame and brick construction machine shop.

Owner.....L. P. and H. C. Artana, 289 W-Santa Clara, San Jose.

Architect...L. T. Lenzen, 110 S-Second, San Jose.

Contractor...J. H. Miller, 1041 S-Second St., San Jose.

Filed Apr. 30, '15. Dated Apr. 20, '15.

Brick work in wall 2nd story

frame up ready for trusses....\$3000

Galvanized roof on and cement

work completed 3000

All completed 3000

Usual 35 days..... 3000

TOTAL COST, \$12,000

Bond, \$6000. Sureties, F. B. and A. L. Hubbard. Limit, 100 days. Forfeit, none. Plans and specifications filed.

BUILDING CONTRACTS

SAN MATEO COUNTY.

FRAME BUILDING

LOT 44 BLK 4, Crocker Tract, Daly City. All work except gas and electric fixtures for one-story and basement frame building.

Owner.....Mike Sampere, S. F.
Architect...None.
Contractor..Chas Carlson, 404 Temple-
ton, St., Station "L," S. F.
Filed May 10, '15. Dated April 13, '15.
Frame up\$350
Brown plastered 350
When completed 350
Usual 35 days..... 400
TOTAL COST, \$1450
Bond, none. Limit, 60 days. Forfeit,
none. Plans and specifications filed.

RESIDENCE
NE CYPRESS & BARROILHET AVES.,
being Lots 14, 15, 16, 17, Glenwood
Park, Burlingame. All work for two
story and basement frame and con-
crete residence with brick fireplaces,
etc.
Owner.....The Ackerman Estate Co.,
San Francisco.
Architect...G. Albert Lansburgh, M.
A. Gunst Bldg., S. F.
Contractor..F. L. Hansen, M. A. Gunst
Bldg., San Francisco.
Filed May 4, '15. Dated Apr. 28, '15.
Frame up\$1000.00
When completed 2847.50
Usual 35 days..... 1282.50
TOTAL COST, \$5130.00
Bond, \$——. Limit, 60 days. Forfeit,
\$10. Plans and specifications filed.

COMPLETION NOTICES.

SANTA CLARA COUNTY.

RECORDED ACCEPTED
Apr. 29, 1915—LOT 5 BLK 17, Han-
chett Park, San Jose. T M Helm to
S G Pelton.....Apr. 28, 1915
May 4, 1915—SW SECOND AND
William, San Jose. S Brelle to J E
Perkins.....May 3, 1915
May 7, 1915—PTN LOTS 52, 53, 54, 55
and 56 of Vendome Add'n of San
Jose. S P and Mary Jones to C A
Thomas.....May 5, 1915
May 7, 1915—A PTN OF STANFORD
Campus on the S side of Pine Ave
in front of Encina Hall, Palo Alto.
Stanford University Trustees to
The General Electric Constr Co...
.....May 3, 1915

COMPLETION NOTICES

SAN MATEO COUNTY.

RECORDED ACCEPTED
May 7, 1915—LOT 17 BLK 18, Crock-
er Estate Tract Sub No. 1. William
F Dreyer to whom it may concern
.....April 28, 1915
May 10, 1915—LOTS 75, 76, 78 Occi-
dental Land & Improvement Co nr
Forest View Road. Geo A Pope to
F H Boring.....May 3, 1915
May 10, 1915—S BARRIOLHET AVE
and El Camino Real, San Mateo
Park, San Mateo. Joseph D Cuth-
bert to M A CookMar. 30, 1915

LIENS FILED

SANTA CLARA COUNTY.

RECORDED AMOUNT
Apr. 24, 1915—LOT 12 Monte Vista
Tract nr Sunnyvale. L H Vishoot
vs Eliz A Green.....\$55.97
Apr. 28, 1915—LOT 12 Monte Vista
Tract, nr Sunnyvale. M J Kopetm
vs Eliz A Green.....\$65
May 6, 1915—PTN LOT 4 BLK 7,
Palo Alto. Dudfield Lumber Co vs

Herman Dose, H Bleibler and W
Berton\$75.58

MARIN, CONTRA COSTA AND
SONOMA COUNTIES

BRIDGE—Reinforced concrete and
steel. Cost not stated. Napa, Napa
Co., Cal. Engineer, County Surveyor,
Napa. Owners, Napa County. Plans
and specifications for the Huichica
bridge have been completed and will
be forwarded to the State Highway
Commission immediately for their ap-
proval. On approval of these plans
the bids for the proposed structure will
be called for.

SEWER CONSTRUCTION — Cost not
stated. Sausalito, Marin Co., Cal. En-
gineer, City Engineer, Sausalito. Own-
ers, Town of Sausalito. A resolution
of intention to construct a sewer in
Water street from Richardson to
North street, and in North street from
Water street to Josephine avenue, and
Richardson from Water street to Sec-
ond street, has been passed by the City
Trustees. Bids on this work will soon
be called for.

BANK—2 story and base, reinforced
concrete, \$20,000. Rio Vista, Solano
Co., Cal. Architect, W. H. Weeks, 75
Post street, S. F. Owners, First Na-
tional Bank of Rio Vista. The build-
ing has been designed in the classic
style and will be of fireproof construc-
tion throughout, with reinforced con-
crete walls and floors. The entire
structure will be occupied for banking
purposes. The main floor will contain
the public room, work space and bank
vault. Interior finish will be of pine
and hardwood with some ornamental
plaster, ornamental bronze and iron.
Special bank equipment will be in-
stalled. There will be a central heat-
ing system, probably steam heat with
an oil burning equipment. The upper
floor will be finished for offices. Exte-
rior of the building will be covered
with cement plaster. Plans are com-
plete and figures are now being taken.

Contracts Awarded.

STREET IMPROVEMENT — \$18,-
023.08. Richmond, Contra Costa Co.,
Cal. Engineer, City Engineer, Rich-
mond. Owners, City of Richmond. Con-
tractor, George W. Cushing, Richmond.
Contract price, \$18,023.08.

BUILDING CONTRACTS

MARIN COUNTY.

COTTAGE
MILL VALLEY. All work for one-
story board and batten cottage.
Owner.....Miss Katherine Ball, Mill
Valley.
Architect...Elizabeth M. Austin and
Florence H. Sanford, 2723
Union St., San Francisco.
Contractor..E. C. Bletch, 120 1/2 Burnett
St., San Francisco.
Filed May 8, '15. Dated Apr. 28, '15.
Roof on\$501.00
When completed 501.00
Usual 35 days..... 336.50
TOTAL COST, \$1338.50
Bond, limit, forfeit, none. Plans and
specifications filed.

FRAME RESIDENCE
MILL VALLEY. All work including
all carpenter work and electrical

work, etc., for two-story frame resi-
dence.

Owner.....Margaret A. Pettee, S. F.
Architect...Fred A. Roemer, Mill
Valley.
Contractor..Fred A. Roemer, Mill
Valley.

Filed May 7, '15. Dated May 4, '15.
Frame up\$575
When plastered 575
When completed 575
Usual 35 days..... 575
TOTAL COST, \$2300

Bond, \$1150. Sureties, Oscar Roemer
and Emma C. Dowd. Limit, 60 days.
Forfeit, none. Plans and specifications
filed.

COMPLETION NOTICES

MARIN COUNTY.

May 8, 1915—SAN ANSELMO. K C
Laylander to R Leonhart.....
.....April 7, 1915
RECORDED ACCEPTED
May 10, 1915—LARKSPUR. Hazel
de Wit to Humphrey Lawrence...

LIENS FILED

MARIN COUNTY.

RECORDED AMOUNT
May 10, 1915—SAUSALITO. Duncan
Mills & Land Co (corp) vs L D
Allen and Estate Chas Forrest and
John Doe (supposed owners)..\$33.35

FRESNO, MODESTO STANISLAUS
AND CENTRAL CALIFORNIA

JAIL EQUIPMENT—Cost not stated.
Bakersfield, Kern Co., Cal. Architect,
O. L. Clark, Brower Bldg., Bakersfield.
Owners, Kern County. Architect Clark
has been authorized by the Board of
Supervisors to prepare the necessary
plans and specifications for the laun-
dry and kitchen equipment for the
new county jail. Bids will be called
for on this work shortly.

HOTEL—2 story, frame, \$25,000. Big
Creek, Kings Co., Cal. Architect, J.
Carl Thayer, Fresno. Owners, San
Joaquin and Eastern Railroad Co.,
Fresno. The building will be erected
in Big Creek and has been designed
for a resort. There will be office,
dining room, lobby and amusement
room on the first floor. Upper floors
will contain 25 guest rooms and sev-
eral baths. The building has been de-
signed in the rustic style and will be
covered with shakes and shingles.
There will be a central heating sys-
tem, modern plumbing, electric lights.
Plans are now being prepared.

COTTAGE—1 story and base, frame,
\$1,500. Fresno, Fresno Co., Cal. Ar-
chitect, none. Owner, Ole Synoground.
The dwelling will be erected in Fresno
Heights, and has been designed for a
five-room house with bath. Interior
finish will be of pine. There will be an
open fire place with a tile or brick
mantel. Imitation tile wainscot will
be used in the bath room. Exterior of
the house will be covered with rustic
and shingles. Plans are complete and
in the hands of the owner who will do
the work by Day Labor.

SCHOOL—1 story and base, frame.
Cost not stated. Panama School Dis-
trict, Kern Co., Cal. Architect, Thomas
B. Wiseman, 1933 Chester avenue, Bak-
ersfield. Owners, Panama School Dis-

duct. Plans are complete and figures are now being taken for the construction of a three-room school building to be erected in this district. Interior will be finished in pine. Maple floors will be used in the class rooms. No heating is specified. Exterior of the building will be faced with cement plaster. Plans can be secured from the architect. Bids will be opened on May 25th at 1:00 p. m.

BRIDGE—Reinforced concrete, \$3,000. Bakersfield, Kern Co., Cal. Engineer, County Surveyor, Bakersfield. Owners, Kern County. An agreement under which the county will pay for the construction of a reinforced concrete bridge over the Cudda Canyon, where the State Highway crosses, has been sanctioned by the Board of Supervisors in a resolution passed. This action is in accordance with a rule that the counties must pay for all bridges on the State Highway over twenty feet in length. The Cudda Canyon bridge will be about fifty feet long.

HOSPITAL REPAIRS—Cost not stated. Fresno, Fresno Co., Cal. Architect, none. Owners, Fresno County. Bids will be opened on May 26th by the Board of Supervisors for painting, tinting, etc., at the Fresno County Hospital. Plans can be secured from the County Clerk.

SCHOOL—1 story and base, frame, \$7,000. Reedley, Fresno Co., Cal. Architect, Ernest J. Kump, Rowell Bldg., Fresno. Owners, Alta School District. The building has been designed to contain three class rooms, office and assembly hall. Interior will be finished in pine. Maple floors will be used in the class rooms. There will be furnace heat and modern school plumbing. Exterior will be covered with rustic and cement plaster on metal lath. Plans are complete and figures are being taken.

SCHOOL—1 story, and base, hollow tile, \$8,000. Orange Cove, Fresno Co., Cal. Architects, Bowen & Davis, McKenzie Bldg., Fresno. Owners, Orange Cove School District. The building will contain four class rooms and principal's office. Interior finish will be of pine with maple floors. There will be a central heating system and modern school plumbing. Exterior of the building will be faced with cement plaster. Plans are now being prepared.

Contracts Awarded.

SCHOOL—1 story and base, frame, \$7,480. Shafter, Kern Co., Cal. Architect, J. M. Saffel, Producers' Bank Bldg., Bakersfield. Owners, Richland School District. Contractor, F. H. De Quinn, Shafter. Contract price, \$7,480.

LIGHTING SYSTEM—\$1,115.75. Bakersfield, Kern Co., Cal. Architect, O. L. Clark, Brower Bldg., Bakersfield. Owners, City of Bakersfield. Contractor, Kern Valley Electric Co., Bakersfield. Contract price, \$1,100.

BUILDING CONTRACTS.

FRESNO COUNTY.

INTERIOR DECORATING, ETC.
LOTS 28 TO 32 BLK 163, Fresno. Interior decorating, painting and frescoing of church.

Owner.....Roman Catholic Archbishop of the Diocese of Monterey and Los Angeles.

Architect...None.

Contractor...A. Moretti & Co.

Filed May 10, '14. Dated —.

Half done 1/4

Completed 1/4

36 days after.....Balance

TOTAL COST, \$3715

Bond, \$1858. Surety, Fidelity & Deposit Co. of Maryland. Limit, Aug. 15, 1915. Forfeit, none. Plans and specifications filed.

DWELLING

LOTS 1 AND 2 BLK 346, Fresno. All work for dwelling.

Owner.....Wm. Dean, 1763 G St., Fresno.

Architect...None.

Contractor...Bingham & Wallace.

COST, \$2500

DWELLING

LOT 5 PTN LOT 6 BLK 9, Fresno Heights No. 2, Fresno. Dwelling.

Owner.....Ole Synoground.

Architect...None.

Day's work. COST, \$1000

SACRAMENTO, STOCKTON AND NORTHERN CALIFORNIA

RESIDENCE — 2 story and base, frame, \$3,500. Sacramento, Cal. Architect, P. J. Herold, Forum Bldg., Sacramento. Owner, George L. Baxter. The house has been designed for a seven-room dwelling with bath and sleeping porch. Interior finish will be of pine with some hardwood veneer. White enamel will be used in the bed rooms. Hardwood floors will be used in the living room, dining room and reception hall. There will be open fire places and tile or brick mantels. Bath rooms will be finished in tile. An automatic water heater will be installed. Exterior of the dwelling will be covered with shingles. Plans are complete and figures are being taken by the architect.

RESIDENCE — 1 story and base, frame, \$2,500. Sacramento, Cal. Architect, none. Owner, Joseph Edenhof, 3011 Cypress avenue, Sacramento. The dwelling will be erected on I street, and has been designed for a six-room house with bath and sleeping porch. Interior finish will be of pine and redwood. Some hardwood floors will be used. There will be furnace heat and open fire places. Mantels will be of tile or brick. Imitation tile wainscot will be used in the bath room. An automatic water heater will be installed. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor.

BRIDGES — 2, reinforced concrete. Cost not stated. Ewing, Placer Co., Cal. Engineers, Givan & Pearce, Auburn. Owners, Placer County. Plans have been completed and figures are now being taken for the construction of two reinforced concrete bridges which are to be erected across Coon Creek on the route of the Great Highway. Bids for this work will be opened on June 8th. Plans and specifications can be secured from the office of the County Clerk at Auburn.

BRIDGE—Reinforced concrete. Cost not stated. Colusa, Colusa Co., Cal. Engineer, County Surveyor, Colusa.

Owners, Colusa County. The State Reclamation Board has granted the Colusa County Supervisors permission to erect a long reinforced concrete bridge over the Colusa trough west of the Sacramento River. Plans for the construction of the proposed structure were submitted and met with approval of the Board, except in the matter of height. The structure was ordered to be built two feet higher than originally planned.

SCREEN SEWER SYSTEM—Cost not stated. Sacramento, Cal. Engineer, City Engineer, Sacramento. Owners, City of Sacramento. Plans for the screen sewer system to be constructed in this city at the sewer pumping station on the Riverside road will soon be submitted to the State Board of Health for formal approval. On approval of the plans bids on the work will be advertised for. A screen sewer will also be constructed at the old pumping station in this city, according to reports received.

ROAD CONSTRUCTION — Cost not stated. Auburn, Placer Co., Cal. Engineer, State Highway Commission, Forum Bldg., Sacramento. Owners, State of California. Construction of a concrete State Highway lateral from Roseville to Auburn, completion of the trunk line in Placer County, and immediate building of the Bear River bridge at the expense of Placer County were decided upon at a recent meeting held by the Supervisors with the State Highway Commission in Sacramento. Bids for this work will be advertised for within three months.

HIGHWAY IMPROVEMENT — Cost not stated. Stockton, San Joaquin Co., Cal. Engineer, County Surveyor, Stockton. Owners, San Joaquin County. Bids will be received until May 27th for the improvement of Cherokee Lane for a total distance of 2,640 feet. Plans and specifications can be secured from the County Clerk.

SEWER CONSTRUCTION — Cost not stated. Sacramento, Cal. Engineer, City Engineer, Sacramento. Owners, City of Sacramento. Bids will be received until May 25th for the construction of Unit No. 1 of the trunk line sewer. Included in the work is the following approximate quantities: 2,864 linear feet of 60-inch reinforced concrete sewer, monolithic or jointed pipe; 287 linear feet of 57-inch, same; 2,087 linear feet of 59-inch, same; 1,373 linear feet of 27-inch, same; 863 linear feet of 24-inch vitrified pipe sewer; 3 reinforced concrete junction chambers; 11 concrete manholes, 4-foot inside diameter; 8 concrete manholes, 3 feet inside diameter. Plans and specifications can be secured from the engineer.

WHARF PAVING—Cost not stated. Stockton, San Joaquin Co., Cal. Engineer, City Engineer, Stockton. Owners, City of Stockton. Bids will be received until May 25th for paving certain portions of the wharf space on the south side of the Stockton Channel. Plans can be secured from the office of the City Engineer.

MARKET AND FACTORY—2 story and base. Class A construction, \$20,000. Jackson, Amador Co., Cal. Architect, C. O. Clausen, Hearst Bldg., S. F. Owner's name withheld. The building will be of the Class A type throughout, with a complete steel steel frame and reinforced concrete

walls. The main floor, which will be 35 by 70 feet, will be arranged for a meat market. Upper floor will be used for a packing house. Floors and wainscot will be of tile. There will be steam heat and a large amount of special machinery. Exterior of the building will be faced with pressed brick. Plans are now being prepared.

Contracts Awarded.

BRIDGES—12 concrete and timber. Cost as follows. Colusa, Colusa Co., Cal. Engineer, County Surveyor, Colusa. Owners, Colusa County. Contractor, Peter Groser, Williams, contract for bridges Nos. 70, 69, 78, 68, 82, 77, 60 and 61. Contract price, \$9,600. Ward B. Esterly, contract for bridges Nos. 79, 80, 81 and 83. Contract price, \$2,462.

STREET PAVING—Cost not stated. Sacramento, Cal. Engineer, City Engineer, Sacramento. Owners, City of Sacramento. Contractors, Clark & Henry, Ochsner Bldg., Sacramento, contract for paving 17th street from R to Y. McGillivray Construction Co., Nicolaus Bldg., Sacramento, contract for paving E street. Contract prices not given.

HIGHWAY CONSTRUCTION — \$65,000. Stockton, San Joaquin Co., Cal. Engineer, County Surveyor, Stockton. Owners, San Joaquin County. Contractors, O. Moreing & Sons, Stockton. Contract price, \$65,000.

BUILDING CONTRACTS

SACRAMENTO COUNTY.

ALTERATIONS

NO. 607 K ST., on E 50 feet Lot 6 and all Lot 5, J, K, 6th and 7th Sts., Sacramento. Alter first floor and basement of three-story brick hotel and stores.

Owner.....Claus & Kraus, 1770 I St., Sacramento.

Architect...E. C. Hemmings, 1203 J St., Sacramento.

Contractor..Siller Bros., 1614 13th St., Sacramento.

COST, \$3000

ALTERATIONS

NO. 1501 E ST., on W ½ of S ½ Lot 8, D. E. 15th and 16th Sts., Sacramento. Convert basement into grocery store

Owner.....Wm. Dreher, 708 H St., Sacramento.

Architect...None.

Contractor..D. Tatti, 2116 O St., Sacramento.

COST, \$600

STABLE, ETC.

BLK X, Y, 34TH AND 35, Gerber Bros. Tract, Sacramento. Build temporary stable, blacksmith shop and warehouse.

Owner.....James Kennedy, Care O. J. Burns, Sacramento Hotel, Sacramento.

Architect...None.

Day's work. COST, \$500

REMODEL BARN

ON E ½ LOT 2, F, G, 20th and 21st Sts., Sacramento. Remodel barn in rear and make private garage. No. 2012 G Street.

Owner.....J. L. Russell, 2012 F St., Sacramento.

Architect...None.

Contractor..F. A. Holdener, 522 ½ M St., Sacramento.

COST, \$500

FRAME COTTAGE

N ¼ OF LOT 5, V, W, 24th and 25th Sts., Sacramento. One-story frame cottage.

Owner.....D. R. Bailey.

Architect...None.

Contractor..E. Thomas.

Filed May 10, '15. Dated May 10, '15.

COST, \$2300

FRAME RESIDENCE

NO. 2927 I ST., on W ½ of S ½ Lot 5, H, I, 29th and 30th Sts., Sacramento. One-story 6-room frame residence.

Owner.....Joseph Edenhofer, 3011 Cypress, Sacramento.

Architect...None.

Day's work.

COST, \$2000

REPAIRS

N ½ OF LOTS 7 AND 8, T, U, 21st and 22nd Sts., Sacramento. General repairs to residence.

Owner.....Philip S. Driver, 2019 21st St., Sacramento.

Architect...None.

Contractor..Gus A. Wendt, 2130 M St., Sacramento.

COST, \$500

FIRE REPAIRS

N ½ OF S ½ LOT 1, O, P, 29th and 30th Sts., Sacramento. Repair fire damage to residence.

Owner.....George Butter, 1511 29th St., Sacramento.

Architect...None.

Contractor..G. H. Harvie, 2212 T St., Sacramento.

COST, \$450

GARAGE

NO. 1523 NINETEENTH ST., on S ½ of N ½ Lot 8, O, P, 19th and 20th Sts., Sacramento. One-story private garage.

Owner.....M. M. Stuart, 315 ½ K St., Sacramento.

Architect...None.

Contractor..C. L. Chapin, L St., bet 8th and 9th, Sacramento.

COST, \$400

REMODEL STORE

NO. 1114 FOURTH ST., on S 20 feet of W 64 feet Lot 4, K, L, 3rd and 4th Sts., Sacramento. Remodel store building.

Owner.....M. Maloyerne.

Architect...None.

Day's work.

COST, \$400

FRAME RESIDENCE

NO. 2216 TWENTY-FIFTH ST., on N ¼ Lot 5, V, W, 24th and 25th Sts., Sacramento. One-story 5-room frame residence.

Owner.....D. R. Bailey, 1901 G St., Sacramento.

Architect...None.

Contractor..E. Thomas, 2021 24th St., Sacramento.

COST, \$2300

RESIDENCE

NO. 3505 ORANGE AVE., Lot 15 Blk 8 South Sacramento. One-story four-room residence.

Owner.....Bessie C. Abrams, 3126 East Ave., Sacramento.

Architect...None.

Contractor..F. H. Bell, 3607 Cypress Ave., Sacramento.

COS, \$1200

COMPLETION NOTICES.

SACRAMENTO COUNTY.

RECORDED ACCEPTED

May 6, 1915—NE FIFTH AND J STS, Lot 3, I, J, 5th and 6th Sts., Sacramento. Young Men's Christian Association of Sacramento to Pacific Cement Gun Co.....April 28, 1915
May 12, 1915—S ½ LOT 8, Q, R, 14th and 15th Sts., Sacramento. Mrs Elizabeth Ott to F E Provost, P J O'Brien, Davis Hill, H R Vonder Horst, Johns-Manville Co, Nevada Elec Co and Latourette & Fical...
.....May 3, 1915

LIENS FILED.

SACRAMENTO COUNTY.

RECORDED AMOUNT

May 11, 1915—FERRIS ADD'N TO Town of Galt bded on 1 by Poplar S by Simon and W by land of Pierce, and W by land of J C Moore. J W Burch vs John Currie and William Danielson.....\$30

RECORDED AMOUNT

May 12, 1915—W ½ LOT 7, N, O, 13th and 14th Sts., Sacramento. A R Mac Swain and E W Mac Swain and Sacramento Bldrs Supply Co vs Mrs M Flahive and Arthur Hollenbeck\$763.38

NOTICE OF NON-LIABILITY.

SACRAMENTO COUNTY.

May 12, 1915—S ¼ of E ½ LOT 2, O, P, 13th and 14th Sts., Sacramento. G D, D C and E J Jurgens (John Inderkum, Lessee) as to improvements on leased property.....

BUILDING CONTRACTS.

SAN JOAQUIN COUNTY.

FRAME FLATS

BLK 8 LOT 100 E, Stockton. All work for two-story 3-flat frame building.

Owner.....J. Greenberg, E- Fremont St., Stockton.

Architect...Ralph P. Morrell, 12-15 I. O. O. F. Bldg., Stockton.

Contractor..L. S. Peletz, Stockton.

Filed May 4, '15. Dated Apr. 28, '15.

Foundations completed and 1st story joists in place.....\$ 700

Frame up and 1 coat paint on exterior 1300

Windows hung 900

Interior and exterior wood finish is completed 1000

Building accepted 750

36 days after..... 1550

TOTAL COST, \$6200

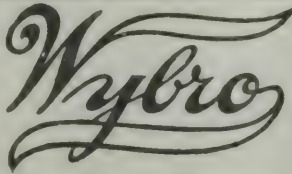
Bond, \$3100. Sureties, S. Todresic and M. Davidson. Limit, 90 days. Forfeit, none. Plans and specifications filed.

LIENS FILED.

SACRAMENTO COUNTY.

RECORDED AMOUNT

May 11, 1915—NE PTN BLK 7, original Plot of said town of Galt and



Reg. U. S. Pat. Office
Veneered Panels of
unexcelled quality—
Sold only at

Wybro Panels are "complaint-proof"

Wybro Panels have no enemies.—Their quality is so superior, and their smooth and even finish so lasting, that they readily make friends.

Wybro Panels are truly "complaint-proof"—they are good panels through and through—the kind you should always use.

250 varieties—list free.

White Brothers

5th and Brannan Streets

San Francisco

known as Midway. J W Burch vs
V S Quiggle and Wm Danielson..

\$14.25

LOS ANGELES AND SOUTHERN CALIFORNIA

SEWER CONSTRUCTION—Cost not stated. Paso Robles, San Luis Obispo Co., Cal. Engineer, City Engineer, Paso Robles. Owners, City of Paso Robles. Two petitions asking that a sewer be constructed in Pine street have been acted upon by the City Council. The City Engineer has been instructed to make preliminary surveys for the work.

SCHOOL—2 story and base, brick, \$20,000. Los Angeles, Cal. Architects, Frank R. Schaefer and E. R. Jeffery, associated. Wesley Roberts Bldg., L. A. Owners, Annadale School District. The building has been designed to contain eight class rooms and an assembly hall. Interior will be finished in pine throughout. Maple floors will be used in the class rooms. There will be a central heating system, oil burning furnace and modern school plumbing. Exterior of the building will be faced with pressed brick. Plans are now being prepared.

SCHOOL—2 story and base, brick, \$45,000. Los Angeles, Cal. Architects, A. R. Walker and J. T. Vawter, Hibernian Bldg., L. A. Owners, City of Los Angeles. The building will be erected on property at the corner of South Park and Manchester streets, and has been designed to contain eight class rooms, assembly hall and

office. Interior finish will be of pine. Maple floors will be used. There will be a central heating system, oil burning furnace, vacuum cleaning and program clocks. Exterior of the building will be faced with pressed brick. Plans are now being prepared.

SCHOOL—2 story and base, brick, \$20,000. Los Angeles, Cal. Architects, Montgomery & Montgomery, Trust and Savings Bank Bldg., L. A. Owners, City of Los Angeles. The building will be erected on Buchanan street near 50 th avenue, and will cover an area of 120 by 50 feet. There will be five class rooms and departments for domestic science and manual training. Interior will be finished in pine throughout. Maple floors will be used in the class rooms. Exterior of the building will be faced with pressed brick. Plans are complete and figures are being taken. Bids will be opened on May 20th.

SCHOOL—2 story and base, brick and hollow tile, \$70,000. Los Angeles, Cal. Architects, Dennis & Hewitt, Fay Bldg., L. A. Owners, City of Los Angeles. The building will be erected in the Owensmouth District and will cover an area of 230 by 63 feet. There will be twelve standard size class rooms, library, lecture room and departments for manual training and domestic science. Interior will be finished in pine with maple floors. Plans provide for a central heating system, program clocks and vacuum cleaning. Exterior of the building will be faced with pressed brick or cement plaster. Plans are complete and figures are be-

E. H. Williams

Chalmer Munday

Munday & Williams

Attorneys-at-Law

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ing taken. Separate bids are called for on the general construction plumbing, heating and ventilating and the painting. Plans can be secured from the architects.

Contracts Awarded.

DRAINAGE SYSTEM — \$28,381.10. Riverside, Riverside Co., Cal. Engineer, City Engineer, Riverside. Owners, City of Riverside. Contractors, Maglenovich & Gillespie, Los Angeles. Contract price, \$28,381.10.

APARTMENT HOUSE—3 story and base, brick, \$42,000. Los Angeles, Cal. Architect's name not given. Owner, Mrs. L. J. Hamer. Contractors, A. S. and C. O'Neill, Lankershim Bldg., L. A. Contract price, \$42,000.

SCHOOL—2 story and base, brick, \$35,483. Los Angeles, Cal. Architects, Edelman & Barnett, Black Bldg., L. A. Owners, City of Los Angeles. Contractors, Irvine & Dow, American Bank Bldg., L. A. Contract price, \$35,483.

SCHOOL—2 story and base, reinforced concrete, \$24,903. Lancaster, Los Angeles Co., Cal. Architect, E. L. Hopkins, Byrne Bldg., L. A. Owners, Antelope Valley Union School District. Contractors, Mann-Knox Construction Co., Delta Bldg., L. A. Contract price, \$24,903.

SCHOOL—1 story and base, hollow tile, \$22,740. Whittier, Los Angeles Co., Cal. Architects, Tuttle & Angel, Delta Bldg., L. A. Owners, Whittier School District. Contractors, Lepper & Laisy, Builders' Exchange, L. A. Contract price, \$22,740.

SCHOOL—2 story and base, frame and plaster, \$22,000. Los Angeles, Cal. Architects, George F. Costerisan and

Williamson's Continuous Clothes Line Outfit

Clothes Line Problem Solved At Last

DOUBLE your line space, use all the line. No empty top line, keeps the clothes free from the soiled line, making it Sanitary. Take clothes off any part of line without removing the wet clothes.

CONSTRUCTION: The pulleys are made of cast iron galvanized; so constructed as to allow the patent clothes pine to pass through carrying the clothes around the pulleys, thereby using both lines.

By using three pulleys, the lines are spread apart as shown in the picture and allows you to put clothes on or take them off the line without hanging out of the window side-ways. The clothes pin is made of heavy galvanized wire formed in such a manner as to allow it to be fastened to the clothes line very easily; nothing complicated to get out of order. Holds the clothes free from the line so the lines need not be covered with cloth-strips in order to keep the clothes from being soiled from the line. The strongest wind cannot blow the clothes out of the pins as they are held in a spring slot. When the wind blows it pulls the clothes deeper into the slot holding them tighter.

NO SPRINGS TO PRESS OR SQUEEZE
to get the clothes in or out. Just slip clothes in slot and pull down. WILL hold the daintiest fabrics or the heaviest blanket. 1340 Mission St. Phone Mkt. 4008.

THIS OUTFIT CONSISTS OF 3 DOZEN
Sanitary, Stronghold, Clothes Pins, 3 Continuous Clothes Line Pulleys and 1 Pair Line Splicers.
Price, \$1.40 per Set.

J. F. Kavanaugh, California Bldg., L. A. Owners, Girls Collegiate School. Contractor, A. S. Barnes, California Bldg., L. A. Contract price, \$22,000.
SCHOOL—1 story and base, brick, \$20,695. Delano, Kern Co., Cal. Architect, J. M. Saffell, Fiske Bldg., Bakersfield. Owners, Delano School District. Contractor, C. H. Brown, Bakersfield. Contract price, \$20,695.

PORTLAND AND OREGON

MUNICIPAL AUDITORIUM—3 story and base. Class A construction, \$500,000. Portland, Ore. Architects, Freeland & Seymour, New York. Owners, City of Portland. Architects Whitehouse & Foulhoux, Wilcox Bldg., Portland, have been selected to represent the New York architects for the actual construction of the new Municipal Auditorium. Preliminary sketches for the building have been completed and the New York architects are now at work on the finish drawings. These will be forwarded to Portland in the course of the next two or three weeks, when figures will be taken and the first of the contracts for the building will be let. The city officials intend to have the building under construction within the course of two or three months. All work will be handled through the offices of the Portland architects above mentioned.

OUTLOOK FOR PLASTER BOARD IN NEW ZEALAND.

[Consul General J. I. Brittain, Auckland, Jan. 19.]

It is doubtful whether a profitable trade in plaster board could be established in New Zealand. Such boards could not well be used in business buildings, as the walls are generally finished with a hard finish or rock plaster, and it would be difficult to nail them over studding, for the reason that practically all residences here are built with siding outside and sheathing over the studding inside the houses. A sort of burlap, known to the trade as "scrim," is smoothly tacked over the sheathing, then the wall paper is pasted over the covering of scrim. Some walls are wainscoted with thin composition boards stained to harmonize with the finishings, joints being covered with ornamental strips of wood. When such boards are used they are nailed over the sheathing.

The lathing material employed is generally Oregon pine. The plaster most used is known as Keene cement, and comes from Great Britain; plaster of Paris comes from the United States and Great Britain. Plasterers are paid 36 cents an hour, and work 8 hours a week. The trades are unionized. New Zealand's climate is mild, but during the winter months of June, July, August, and September the weather is cool and damp. Business buildings in the center of the city have to be constructed according to municipal regulations. Such structures are seldom used as residences, the people living in frame houses in the suburbs of the city.

[The names of five Auckland dealers in building materials may be obtained from the Bureau of Foreign and Domestic Commerce or its branch offices. San Francisco Branch, Customhouse.]

DEVELOPMENT OF PHILIPPINE ASPHALT BEDS.

[Consul General George E. Anderson, Hongkong, China, Feb. 9, supplementing an article in Daily Consular and Trade Reports for Dec. 9, 1914.]

The commercial development of the asphalt of Leyte Province, in the Philippine Islands, is being undertaken by a Philippine corporation upon a practical scale. The company is known as the Leyte Asphalt and Mineral Oil Co. Its seat is at Tacloban, Leyte, Province, near which place the asphalt beds lie. The capital of the concern is \$150,000, about one-third of which is represented by the lands comprising the asphalt-bed claims.

The deposit of asphalt which the company will develop was described in a general way in a previous report from this consulate general. The supply is all but inexhaustible, and the bed lies near the shore line at Tacloban, at which port ships can anchor and take on cargoes of the asphalt from lighters loaded at the mines, with practically no overland transportation. The property of the company commencing the development consists of 656 hectares ranging close to the sea, but there are other extensive deposits, the vein ranging for about 15 miles along the seacoast. The deposits also contain oil of a high grade, and further development of the property along that line is planned. The asphalt taken from it has been put through practical tests, both in the Philippines and in the United States, and it has already been purchased by the Philippine Government for extensive use on roadways in the Philippines. It is almost pure near the surface, and is exceptionally pure at greater depths.

The oil deposits—evidenced by oil flowing with water from a spring—contains oil pure enough to be used by the natives for illuminating purposes. The deposits were discovered by representatives of the Bureau of Public Works at Manila about two years ago, and the present development is being undertaken under the direction of the discoverer.

The company now developing the deposits not only expects to supply the Philippines, which in itself has a large and growing trade, but to export the asphalt extensively. There is a growing demand for this product in all the cities of the Far East, and with a supply at hand at a comparatively reasonable price the trade will doubtless soon assume still larger proportions.

THE DISCOVERY OF RADIUM IN COAL.

A series of remarkably interesting experiments have been recently carried out in the west of England by certain scientists to demonstrate the extraordinary effect on vegetable growth produced by the addition to the soil of radium-bearing and radio-active materials.

A full and instructive account of some of these experiments was given, some little time ago, in a lecture before the Royal Society of Arts by Mr. T. Thorne Baker.

It appears that radishes and other root crops are obtained nearly five

times as large as those grown in untreated soil at the same time.

If this process could be generally adopted by our agriculturists in this country, the increase in the prosperity of the nation would be very large.

The initial cost of such a system has hitherto stood in the way of its general adoption.

But the recent discovery by M. M. Dettaille and Lafayaise, the two distinguished French chemists of Paris, and Prof. Scammell, M.S.C.I., of Hadleigh, Essex, that coal contains radium, which, in the form of "lignate," can be used for the radiumization of the soil, places the process within the reach of every agriculturist in the country.

Fruits, flowers and vegetables can be grown in a much shorter time, in much larger quantities, and of finer quality by the use of "lignate," the cost of the treatment of an ordinary sized garden being very trifling; the process is available for use by the humblest worshiper at the shrine of Flora.

Once more in the history of human progress the world is indebted to the brilliancy and originality of French scientific thought and research, and with a view to enable the country at large to benefit by their discoveries, the eminent chemists mentioned are sending to all applicants full details of the best methods of applying the "lignate" to the soil.

The importance of this discovery to the small land owner or cultivator is obvious; it is now possible for the man with two or three acres of ground to make a substantial profit each year, sufficient to keep his family and himself in comfort.

And this discovery, viz., medicatrix natural, the latest and most beneficent of the achievements of science, goes far to solve the land problem and pave the way for the reappearance of the sturdy peasant proprietor, the backbone of the country.—Scientific American.

INDUSTRIAL ACCIDENTS IN MASSACHUSETTS.

Data gathered by the Massachusetts Industrial Accident Board show that in the year ending June 30th, 1914, there were 95,963 non-fatal and 608 fatal accidents reported to the commission; that the larger number of accidents occurred between 10 and 11 A. M. and 3 and 4 P. M.; and that all days except Saturdays and Sundays shared about equally in mishaps. No evidence appears that Monday morning offers a greater hazard to industrial workers than any other period of equal length. The wages of the largest group of workers suffering non-fatal accidents ranged from \$8 to \$15 per week, and the average wages of victims of fatal accidents showed the same group range. The maximum number of accidents occurred to workers earning from \$11 to \$12 per week; the wage-earners from 21 to 29 years of age met the largest number of non-fatal accidents, while the greatest number of fatalities were suffered by workers from 40 to 49 years of age. Of the whole number of non-fatal accidents, disability lasted less than one day in 40,661 cases. In 79 per cent of the cases the average duration of disability was two weeks or less. The average duration of disability was

12.48 days, approximately the same as in 1913. Taking the days lost as a basis, 3,992 persons were constantly disabled for a full year. The wages loss for the year was \$3,172,440. Exclusive of insurance administration, the average cost of workmen's compensation per case was \$23.93.

MIRRORS TO PROTECT VAULT.

In constructing a vault in the basement of one of the Los Angeles banks a plan was followed which makes the six sides of the chamber visible to a watchman and eliminates all chances of its being entered by tunneling beneath it. It is set on concrete columns in the middle of a white tiled pit which is brightly illuminated. To make it possible to command a view of the space beneath the vault from the level above mirrors have been arranged on the floor at such an angle that every part of the space is reflected in them. Light is reflected by the white walls so that the top of the vault is illuminated and easily inspected.

NEW GOVERNMENT PUBLICATIONS.

The Superintendent of Documents, Washington, D. C., announces that he received in stock during the week ended April 17, 1915, the following new United States Government publications, which he will sell at the nominal prices affixed:

Tests of Wood Preservatives: Department of Agriculture Bulletin No. 145. A survey of the properties of various preservatives, including tests for strength, penetration, volatility, inflammability, toxicity, and corrosion; illustrated. Price, 10 cents.

How to Fire Soft Coal under Power Plant Boilers; Mines Bureau Technical Paper 80, a general dissertation on the subject, covering general directions for firing soft coal, placing coal on fuel bed, regulation of draft, thickness of fuel bed, cleaning fires, clinkering, losses in power generation, steaming value of boilers and care of boilers, with glossary and illustrations. Price, 10 cents.

Table and Formulas for Use of United States Surveyors and Engineers on Public Land Surveys, a Supplement to Manual of Surveying Instructions, and commonly known as "Standard Field Tables." A valuable set of working tables, including traverse table, sines and cosines, tangents and cotangents, logarithms of numbers, sidereal conversion, trigonometric formulas, etc. Price, flexible leather, 60 cents.

Tests of Metals, 1914. Report on testing of materials at the Watertown Arsenal, including iron, steel, and other structural material. Price, cloth, 75 cents.

Potash from Kelp; Department of Agriculture Report No. 100; an extensive work, covering kelp beds of the Pacific Lower California, Puget Sound, and Alaska, with numerous illustrations. Price, text and maps, \$2.

LEGISLATURE.

The members of the legislature, which has just adjourned, have attempted to keep the business of law-making strictly within the limit required by the people themselves. The "program" of the administration was brief, and contained no more than was

necessary to fulfill the pledges of the last campaign and to carry out those developments in the political life of California that were imperative. The great transformation in the politics of the state of the last four years: carried with it much responsibility for detail of law making. Some of this was still unfulfilled when the present legislature met, and had to be attended to. Otherwise, the session was confined to the consideration of routine business matters of state finance, and to the personal interests and bills of members. Even these last were at a remarkable minimum. The legislature of California can claim credit for having set a limit to itself, such as would have been thought, ten years ago impossible in the very nature of a state legislature.

UNBUSINESSLIKE METHODS OF AMERICAN FIRMS.

[Vice Consul J. W. White, Jr., St. Michael's, Azores.]

Business men in the United States have recently rendered fruitless a year's earnest effort on the part of this consulate to introduce American goods. Recently a report was sent asking that samples of American tobacco be submitted to a local firm and after a careful investigation of local laws governing the importation of tobacco, special mention was made of the fact that the law prohibited the importation even of samples unless packed in boxes, weighing at least 10 kilos (22 pounds)). In spite of this, one American firm sent a small package of samples by mail and it was only with difficulty that the agent who was trying to sell American goods escaped a heavy fine for attempting to import tobacco through the mails.

Another report from this consulate called for bids on an electric light plant, and the official in charge of the project furnished a complete copy of specifications describing in detail what was needed for the plant. These specifications were forwarded to the United States and it was stated specifically that the authorities wished for single bids on the entire equipment, as they desired to let only one contract.

In spite of this report and these specifications, this consulate received letters for several months asking for information as to what was wanted in the way of wire, cable, lamps, engines, etc., as the writers desired to bid on small lots. It has been very difficult for this consulate to introduce American goods on the local market and methods of this kind on the part of American business houses render the work almost useless.

NOTE:—This state of affairs seems to predominate in every field of commerce in which Americans compete. (*)

POTASH IN THE MUDDS OF COLUMBUS MARSH, NEV.

In searching for a domestic source of potash in the United States, the Geological Survey has explored more or less thoroughly a number of the desert basins in the West. Among the regions investigated is the mud flat known as Columbus March, which lies midway between Reno and Tonopah, Nev., and has an area of about 35 square miles. Nine shallow wells have

been sunk in this marsh and the borings and waters have been examined for potash. Though commercial quantities of potash were not found and no saline beds were encountered, the data obtained in the exploration, like much of the Survey work, have a scientific value. A more extensive chemical study has been made of the muds from one of the wells by W. B. Hicks, and the results are given in a recent Survey publication—"Composition of Muds from Columbus Marsh, Nev.,"—issued as Professional Paper 95-A. This report shows the muds contain a high percentage of potassium, only a small part of which, however, is soluble in water. The results of the chemical study indicate further that a large part of the potassium in the muds has been absorbed from solution and is held in a loosely combined form. This condition may account for the apparent disappearance of the potassium from the salines of the desert-basin region, and should have a bearing on future exploration for potash.

A copy of the publication, which is technical in character, may be obtained free on application to the Director of the Geological Survey, Washington, D. C.

A CHANGELESS METAL.

Science Wants It for Standard Measures, But Cannot Find It.

The use of melted quartz for the manufacture of standard measures of length has been a great disappointment, since even this material is subject to very marked fluctuations in length.

The search for a suitable material is, however, being continued, because platinum-iridium, which has been used up to the present, is out of the question for practical purposes on account of its great cost, says the Scientific American.

Dr. Guillaume discovered the alloy, which has become known under the name of "Invar," an abbreviation for "invariable."

The nickel-steel alloy would make an ideal material for standards of length on account of its great resistance to changes in temperature, but unfortunately it is not proof against chemical action. For this reason it is suitable only for standards of the second grade, in which accuracy within a millionth part is sufficient.

The ideal material, possessing the advantages of platinum-iridium but less expensive than the latter, is therefore still to be found. Similarly good materials for standard weights have been sought extensively and various non-magnetic nickel alloys have been tested.

A review of the progress in the use of the metric system shows that during recent years Denmark, Slam, Belgian Congo and some of the Central American states have adopted this decimal system.

The most important success still to be gained by the metric system, the conquest of England and of the United States, seems still, however, far removed.

OPENING FOR SMALL ICE MACHINES AND REFRIGERATORS.

[Special Agent Garrand Harris, San Salvador, Salvador.]

There is a fine market awaiting small and reasonably priced ice-making machines, and also first-class refrigerators, not only in Salvador but in other countries of Central America as well. There are many well-to-do "finqueros," or ranch owners, who would be more than glad to install such a device at their haciendas, as ice is scarce and exceedingly high in price. The price is not so much a consideration as the fact that the supply cannot be relied upon, and the country estates are often too remote to admit of transporting ice to them.

The most prominent planters, sugar growers, and coffee finqueros of Salvador are banded together in a co-operative purchasing and mutual benefit society called the "Sociedad Nacional de Agricultura, Ganaderia, e Industrias Co-operativa" (National Co-operative Society of Agriculture, Cattle Raising, and Industry). Headquarters are maintained in the city of San Salvador, and the secretary speaks and writes English perfectly. The society has members in all parts of the Republic, and the late President of Salvador, Senor Doctor Manuel E. Araujo, one of the most extensive sugar planters and manufacturers of

the country, was for a long time president. At the headquarters of the society there are on exhibition many machines of all sorts adapted to progressive farming, planting, and sugar and coffee producing. Most of the goods in this line are from the United States, and nearly all of the smaller tools and hand implements are bought from there. A creditable magazine dealing with agriculture, stock raising, and sugar and coffee production is published monthly, and carries advertisements and announcements from numerous manufacturers in the United States. The membership of the society is over 200 and embraces most of the large operators, while many smaller one who have not allied themselves with it are influenced by it.

European Machine Now in Use—Chance for American Invention.

The suggestion about the ice machine was made by Secretary Harrison as he showed the writer about the establishment, which had a display of machinery, including many articles already bought and stored, ready to be issued to the members at cost price as they required. A weird looking ice machine of European make was on display. It resembled a combination of a small chemical laboratory, stalk cutter, air pump, and fancy sausage machine. It had glass pipes, rubber stoppers, flasks, a container with chemi-

cals in it, a cylinder and piston worked by a large fly wheel with a handle. From the description of the method of operation as given by Mr. Harrison it will deposit ice only after the wheel has been turned strenuously and with 'nerve-racking noise for some 20 minutes as a minimum; then a partial vacuum is made in one of the glass flasks, which will probably hold half a gallon. A deposit of ice then forms on the bottom of the flask, which is filled with water to be cooled.

The secretary declares that a machine which will make enough ice for a large family in a hot country, and do its work silently and without the necessity of manual exertion, and which can be kept constantly at work producing ice, will undoubtedly meet with a quick and enthusiastic reception. This would be true not only of Salvador but of neighboring countries where there are many men of wealth who would be more than glad to install such a machine. A demand for first-class refrigerators in which to deposit the reserve supply of ice would necessarily follow.

If American manufacturers can produce a miniature ice plant, safe, simple of operation, dependable, and not too expensive, there appears to be a chance for excellent sales. It would have to be demonstrated and severely tested before it would be accepted generally.

MARKETING GOODS ABROAD.

[Consul General J. I. Brittain, Auckland, New Zealand, March 25.]

Complaints have come to the Auckland consulate concerning the methods adopted by some manufacturers in the United States when selling their merchandise abroad. There is a disposition on the part of certain local merchants to compare American methods with those of British exporters.

It appears that the British manufacturer sells direct to the New Zealand dealer, but the American manufacturer is prone to place his products for foreign markets in the hands of jobbers or agents. Large dealers here are of the opinion that only the manufacturer himself can make the lowest prices and best terms. In some instances where merchandise is disposed of through brokers or other selling agents it has been held by the customs officials here that no actual wholesale price exists, and duties have window glass in the United States. Numerous letters were received by this been collected on the basis of retail prices, thus seriously handicapping the sale of the product.

In this connection I might observe that several Auckland merchants recently desired to purchase plate and office in response to trade inquiries, and these were duplicated at the consulate and copies handed to the dealers. Later several of the American firms that had written to the consulate seeking export trade again wrote, saying they were only brokers and not in a position to seek foreign markets. When those who are not in a position to seek foreign markets send letters abroad and are not able to quote bottom prices, because they are not manufacturers, they only complicate matters.

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ACTIVE TRADE WITH AUSTRALIA.

[Sydney Herald, Apr. 6.]

The American mail steamer *Ventura*, which arrived from San Francisco yesterday, disembarked a large number of saloon passengers and is now discharging a full complement of cargo.

It would appear that already Australian orders are locating themselves in new markets. Mr. V. A. Sproul, managing agent of the company, is in receipt of advices from San Francisco principals that practically all the cargo space available on Oceanic steamers up to January, 1916, is already fully engaged, and will be occupied by exports for Australia. This is the first year in the company's history that the steamers have been running full from San Francisco between the months of March and September, and this fact indicates beyond a doubt that the process of wool markets being superseded by new ones has commenced in real earnest.

The innovation is one marked by a

reciprocal character, as practically the same thing can be said of the accommodation of the steamers between Sydney and American points for many months to come.

The *Ventura* leaves this port on April 10, and, in addition to being well patronized by passengers to American, Canadian, and English ports, will be absolutely a full ship in respect of cargo.

VANCOUVER-SAN FRANCISCO TELEPHONE COMMUNICATION.

[Consul General R. E. Mansfield, Vancouver, B. C., Canada, April 16.]

Telephone communication has been established between Vancouver and San Francisco. A satisfactory conversation was also carried on recently by telephone between this city and Denver, Colo.

Improvements made to the telephone system in the last few years have made conversation possible over very long distances. The device used is called a "loading coil," which is placed on the line every 8 miles. It collects the stray currents from adjacent power lines and other telephone lines which before the loading coil's invention interfered with conversation.

Telephone communication was recently established between New York and San Francisco, and with more improvements on the lines this feat may be accomplished between Vancouver and the Atlantic coast. The circuit will be extended in the near future down the Pacific coast from Vancouver as far as San Diego.

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Ideal Cornice Co.
Korell & Co., J. A.
Modern Sheet
Metal Works
Morrison & Co.
U. S. Metal Prod-
ucts Co.
Western Furnace
& Cornice Co.
S. F. Metal Stamp
& Corr. Co.

Crude Oil Burners

Bill & Jacobsen
Fess System Co.
Johnson Co., S. T.

Crushed Rock.

Bay Devel. Co.
Cal. Building Ma-
terial Co.
Cassarretto, John
City Supply Co.
McMullin, A. L.
Simon-Fout Brick
Co.
Star Contracting
Company.
Standard Crushed
Rock Co.
Stone Co., E. B. &
A. L.
Western Develop-
ment Syndicate

Damp Proofing.

Brickley, P. J.
Coyle, Jos. A.
Fox, John L.
Keene Co., R. E. G.
Reagle & Jamel-
son
Taylor, L. A.
Whittier - Coburn
Company.

Door Opener and Closer.

Rischmuller, Geo.

Electric Fixtures.

City Electric Co.
Gas & Elec. App.
Co.
Pac. Gas & Elec
Company.

Electric Wiring & Equipment.

American Elec.
Eng. Co.
Central Elec. Co.
Decker Electrical
Construction Co
Farnsworth Elec-
trical Works.
General Electric
Constr. Co.
Globe Electric
Works
Hicks & Folte
Kirsten, W. H.
Lauder, H. I.
Manhattan Elec-
tric Co.
National Electric
Co.
Newberry - Bend-
heim Elec. Co.
Peters, Gus. J.
Rex Electric Con-
struction Co.
Ridley, A. E. R.
Rochdale Elec. Co.
Schmetschek, M.
Turner Co., The
Vitt Elec. Co.
Weldenthal - Gos-
liner Elec. Co.
Wetel Electric Co.

Elevator Builders.

Otis Elevator Co.
S. F. Elevator Co.
Van Emon Eleva-
tor Co.

Estimator.

Dillon, H.

- Morser, E. J.**
Peterson, P. O.
Priddle, Arthur
Walker, J. M.
Church
- Floors, Composition.**
Artolith Mfg. Co.
Bender R.&P. Co., J. W.
Dwan Co., J. E.
Fibrestone & Roofing Co.
Flaherty R. & P. Co., R. H.
Malott & Peterson
- Floors, Hardwood**
Hardwood Int. Co.
Inlaid Floor Co.
Pac. Floor Sanding Co.
- Galvanized Iron.**
Baker & Hamilton
Berger Mfg. Co.
Gas Fixture.
Day Co., Thomas
- Gas Heating Systems.**
Reactor System
Gas Heating Co.
- Gasoline Tanks & Pumps.**
Brown, F. R.
Blaisdell Mch. Co.
- Glass & Glazing.**
Cal. Plate & Window Glass Co.
Friedman Bros.
Fuller Co., W. P.
Grosslicht & Dinne
Habenicht & Howlett
Mission Plate & Window Glass Co.
Pioneer Plate & Window Glass Co.
Schwartz & Gottlieb
- Grading.**
Branick, J. P.
Carlin Bros.
Cassaretto, John
Davincenzi & Co., L.
Dillon Teaming Co.
Federal Transfer Co.
Glorig Co., G.
Hartnett, J. D.
Harbor View Contract Co.
Hule Co., E. M.
Lennon Co., J. E.
Leffer, Fred
McGlinchey & Monahan
Montague Co., P.
O'Day Co., Dan'l
O'Donnell, Philip
Powers, Chas. J.
Sibley Grading & Teaming Co.
Star Con. Co.
Wright Co., I. H.
- Granite Curbing.**
Graham Granite Co.
Lead Granite Co., W.
Pacific Granite Co.
Tronoff, John
- Gravel.**
Bay Devel. Co.
Cal. Building Material Co.
Cassaretto, John
City Supply Co.
Standard Crushed Rock Co.
Star Contracting Company.
Stone Co., E. B. & A. L.
Hardwood Dealers.
Inlaid Floor Co.
Hardwood Interior Co.
Union Floor Co.
- Wood Lumber Co., E. K.**
Hd'ware, Dealers.
Baker & Hamilton
Bennett Bros.
Kruse, J. H.
Joost Bros.
Meyer, Adolph
Norman & Sons, F. G.
Palace Hd'ware Co.
S. F. Hd'ware Co.
Smith Co., P. A.
- Heating & Ventilating.**
Atlas Heating & Ventilating Co.
Kiernan & O'Brien
Hurley Co., J. C.
Lawson, Herman
Looney Co., J.
Mangrum & Otter
Snook & Co., Fred W.
Torrid Zone Furnace Co.
Turner Co., The
Willson, Robt. M.
- House Movers & Raisers.**
Hatch, H. L.
Pearson, N. H.
Sullivan, D. J. & T.
- Hoisting Engineer.**
Le Clair, S. D.
- Inlaid Floors.**
Hardwood Interior Co.
Inlaid Floor Co.
Pac. Floor Sanding Co.
- Interlocking Tile Blocks.**
California Denison Block Co.
Iron Foundry.
Stelger & Kerr, Stove & Foundry Co.
Iron & Steel.
Baker & Hamilton
Dawson & Noyes
Judson Mfg. Co.
Pacific Coast Steel Company.
Trussed Concrete Steel Company.
Woods & Huddart
- Iron Works.**
Brode Iron Wks.
Dyer Bros.
Eureka Wire & Iron Wks.
Golden Gate Iron Works
Hillard Co., C. J.
Kell Iron Works
Michel & Pfeffer
Monarch Iron Works
Pacific Iron Wks.
Pacific Structural Iron Works.
Ralston Iron Works
S. F. Iron Works
Sartorius Co.
Schraeder's Iron Works
Stelger & Kerr, Stove & Foundry Co.
Vulcan Iron Wks.
West Coast Wire & Iron Works
Western Iron Works
- Joist Hangers & Post Caps.**
Falls Mfg. Co.
Pac. Bldg. Materials Co.
Roman Co., C.
Waterhouse & Price Co.
Western Bldg. Supply Co.
Lathers, Wood & Metal.
Balzke, Robt.
Edwards, C. H.
Hayden, Fred
Kaiser, Jos.
McAbee, E. T.
Raymond, Wm. H.
Snell, Ralph L.
- Lighting Fixtures**
Day Co., Thomas
Mobilite Co.
- Lime & Plaster Dealers.**
Arden Plaster Co.
Cal. Lime & Hydrate Co.
Cowell Lime & Cement Co.
Guerin & Co., J. S.
Lennon Co., J. E.
Pacific Portland Cement Co.
Western Lime & Cement Co.
- Lumber Dealers.**
Acme Lumber Co.
Christenson Lumber Co.
Columbia Lumber Co.
Doe Co., Frank P.
Excelsior Redwood Co.
Hardy Lumber Co.
Hart-Wood Lumber Co.
Hauptman Lumber Co.
Kruse Co., J. H.
Hooper Lumber Co.
Higgins Lumber Co., J. E.
Loop Lumber Co.
MacDonald Lumber Co.
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Oakley, —
Olson - Mahony Lumber Co.
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Pope & Talbot
Reinhart Mill & Lumber Co.
Ryan, George
Santa Clara Valley Mill & Lumber Co.
Santa Fe Lumber Co.
S. F. Lumber Co.
Schouten & Co., J. W.
Sunset Lumber Co.
Tierman & Beronle
Van Arsdale-Harris Lumber Co.
Willson Bros. & Co.
Wood Lumber Co., E. K.
Wright, Jr., Wm.
- Magnesite Flooring.**
Artolith Mfg. Co.
Bender R.&P. Co.
Dwan & Co., J. E.
Fibrestone & Roofing Co.
Flaherty R.&P. Co. R. H.
Goodman, A. K.
Malott & Peterson
Watsonite Co.
- Mantels, Tiles & Grates.**
General Building Work Co.
Ginsberg Bros.
Mangrum & Otter
Peerless Agencies Co.
- Marble and Mosaic Work.**
General Building Work Co.
Gnecco, M. H.
Grassi & Co., P.
Mission Concrete & Mosaic Wks.
Mission Marble Works.
Musto Sons-Kee-nan Co.
New Era Marble & Concrete Co.
Teltz, Francis E.
Tomagnini & Co., G.
Vermont Marble Co.
- Metal Lath.**
Atlantic Fireproofing Co.
Berger Mfg. Co.
Holloway Metal Lath Company.
- Waterhouse & Price**
Western Builders' Supply Co.
- Metal Stamping.**
S. F. Metal Stamping & Corr. Co.
U. S. Metal Products Co.
- Notary Public.**
Duncan, A. M.
- Oils and Greases.**
Standard Oil Co.
Union Oil Co.
- Ornamental Plastering.**
Benkman, Ed. G.
Binner, Theodore
Larson, O. F.
Lipp & Co., J. F.
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Bell, Wm. J.
Bernstein, Wm.
Blum, Louis
Brown, J. L.
Burns Bros.
Clark & Dickson
Cramer Bros.
Conlin, J. J.
Copnick, T. W.
Dahl, T. H.
Danovon, V. J.
Hansen, Elbing A.
Johnson, C.
Kissel, Isidor
Miller, L.
Miller, J. A.
McCubbin, James
Manning, John
Neal, L. J.
Progressive Painting Co.
Quandt & Son
Ruderman, I.
Simon Neilson Co.
Smith, J. S.
Sovig, C. B.
Trost, C. R.
Walk, Mayer
Wagner, Fred
Wagner Bros.
Zelinsky, R.
- Paints, Oils Varnishes, Etc.**
Clark & Dickson
Cohn & Co., Marion D.
Fuller Co., W. P.
O'Brien, J. S.
Paint Products Corporation
Paraffine Paint Co.
Pratt & Lambert
Whittier - Coburn Co.
- Patent Chimneys.**
Clawson Co., L. E.
Dresser - McDon-Hughes, H. J.
- Pile Driving.**
Lamburth, C. E.
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Cal Brick Co.
- Planing Mills.**
Acme Plgn. Mill
Anderson Bros.
Atlas Planing Mill Co.
Builders' Supply Depot
Cal. Door Co.
Cal. Planing Mill.
Emanuel, L. & E. (Inc.)
Empire Planing Mill
Hart & Burmester
Hermann, A.
Herring's Mill
Holden - Deuprey Co.
Lorden Mill Co., J. P.
Main St. Planing Premus Planing Mill
Reinhart Lumber & Planing Mill
Ryan, George
- San Mateo Planing Mill**
Santa Clara Valley Mill & Lumber Co.
Spencer St. Planing Mill
Taylor & Co.
Western Planing Mill
Veyhle & Collins
- Plasterers.**
Bosch, Herman
Bradley & O'Reilly
Brennan, James
Campbell, Chas
Campbell & Williams
Connell Co., J. E.
Daly, J. H.
Duthie, Chas.
Gilmour, W. G.
Jones, Francis
Kaiser, Jos.
Leaf, Al.
MacGruer & Co.
Mellon, Thos.
Modica, S.
Mowat Donald
Philbin, J. J.
Sexton, T. D.
Terranova Bros.
Wagner, James A.
- Plumbing and Gas Fitting.**
Band, S. W.
Bernard, Geo. F.
Dunn, Nell H.
Goss, Wm. P.
Grundy, Ed.
Houston, J. J.
Kara, F. E.
Kiernan & O'Brien
Lacey, E. V.
Lauder, H. I.
Lawson, Herman
Lettich, Antone
Lettich, J. M.
Looney Co., J.
May, Gus
McLeod, J. J.
Penkerton, J. H.
Skelly, Thomas
Snook & Co., Fred W.
Turner Co., The
Wetzel, Theo.
Wilson & Co., W.
- Plumbers Supplies**
Kinney Co., R. W.
Mark-Lally Co.
Mueller Mfg. Co., H.
Nelson Mfg. Co.
Pac Sanitary Mfg Co.
Paragon Brass Mfg. Co.
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American Radiator Co.
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Lamburth, C. E.
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Bender Roofing & Paving Co.
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Enterprise Roofing Co.
Flaherty, R. H.
Keene Co., R. E. G.
Lawson Roofing Co.
Lewis, W. S.
Malott & Peterson
Raphel Roofing Co.
Samuel Co., H. D.
Watsonite Co.
Western Asbestos
Magnesia Co.
Western Felt and Refining Co.
- Roofing (Slate & Tile.)**
Graham, R. G.
Klatt, R. J.
White, Ed. A.
Fibrestone & Roofing Co.
- Roofing Materials.**
Johns - Manville Co., H. W.
Paraffine Paint Co
Waterhouse & Price
Western Asbestos
Magnesia Co.
Western Builders' Supply Co.
Whittier - Coburn Co.
- Sand, Gravel, Etc.**
Bay Develop. Co.
Cal. Building Material Co.
McMullin Bros.
Stone Co., E. B. & A. L.
Western Development Syndicate.
- Sanitary Garbage Chutes.**
Bill & Jacobsen
Sand Blasting.
McDermott, W.
- Sheet Metal Wks.**
Amsler Sheet Metal Works
Appman Cornice Works
Atlas Heating & Ventilating Wks
Capitol Sheet Metal Works
Comyns & Nygren
Cronan, Wm.
Crown Cornice Works
Elite Sheet Metal Works
Forde Cornice Works
G. & M. Sheet Metal Works.
Gulfof Cornice
Hibernia Sheet Metal Works
Hughes, H. J.
Ideal Cornice Wks
Korell & Co., J. A.
Modern Sheet Metal Works.
Morrison & Co.
S. F. Metal Stamping & Corr. Co.
U. S. Metal Products Co.
Western Furnace & Cornice Co.
- Sidewalk Lights.**
Jackson Co., P. H.
Dwan & Co., J. E.
Phoenix Sidewalk Light Co.
- Stair Builders.**
Bishop & Peraino
Boller, John
Jacobsen, J.
Porter, W. F.
Stewart, J. K.
- Stationery.**
Foster & Short
Wright, J. H.
- Steel Bars.**
Baker & Hamilton
Dawson & Noyes
Woods & Huddart.
- Pacific Coast Steel Co.**
Soule Co.
Steel Erector.
Schauer, Fred C.
Pioneer Con. Co.
Williams Construction Co.
Store Fronts
Kawner Mfg. Co.
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Structural Steel Contractors.
Central Iron Wks
Dyer Bros.
Judson Mfg. Co.
Pacific Structural Iron Works
Pac. Rolling Mills
Schraeder's Iron Works.
S. F. Iron Works
Western Iron Supply Co.
- Stoves.**
Mangrum & Otter
Stelger & Kerr

Structural Steel Contractors.

Brode Iron Wks.
Dyer Bros.
Golden Gate Iron Works
San Francisco Iron Works
Ralston Iron Wks
Vulcan Iron Wks.

Surveyors.

Morser, E. J.
Quimby, L. S.
Wetherell, Chas E

Teaming & Grading.

Branick, J. P.
Blanchini, G.

Federal Transfer & Draying Co.

Carlin Bros.
Devencenzi & Co., L.

Dillon Teaming Co.

Federal Transfer & Draying Co.

Harbor View Contract Co.

Hule Co., E. M.

Lennon Co., J. E.

Leffler, Fred

McGlinchey & Monohan

Montague Co., P.

O'Day Co., D.

Powers, Chas. J.

Sibley Teaming & Grading Co.

Star Contracting Co.

Wright Co., J. H.

Tiling.

Cal. Tile Contr.Co.

Ginsberg & Co., S.

Mangrum & Otter

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Vacuum Co.

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Hughson & Mer-ton Co.

Schaer Bros.

Stevens Co., Frank A.

Hyde Henry C. United Elec. Co.

Wall Beds.

Marshall - Stearns Co.

Water Company.

Spring Valley Water Works.

Whitewashing

Brickley, P. J.

Reigle & Jamison

Taylor, L. A.

Waterproofing

Coyle, Jos. A.

Window Cleaning.

American Window Cleaning Co.

Windows. Patent.

Simplex Window Co.

Central Electric Co.

City Electric Co.

De Lew, M. A.

Decker Electric Co

Globe Elec. Co.

Levy Elec. Co.

Elevators.

Otis Elevator Co.

Van Emon Elevator Co.

Fibre.

S. F. Fibre & Cordage Co.

Fireproof Doors.

Norris, L. A.

U. S. Metal Products Co.

Floor Sanding

Hardwood Interior Co.

Inlaid Floor Co.

Pacific Floor Sanding Co.

Grill Work.

Cal. Art Metal & Wire Works.

Merle Co., A.

Sartorius Co.

Withington, C. W.

Gen. Contractors.

Andrus, R. C.

Brigham, H. B.

Brockhage, Foley & Green

Caldwell & Co.

Cereghino & Son, Louis

Currie & Currie

Dempniak Bros.

Farquharson, D. B.

Fluth, J.

Frasler & Frasier

Graham, D. E.

Griffith, Wm.

Hannah, J. D.

Hannah & Co. J.S.

Hayes, W. W.

Jackson, A.

Kuykendall, J. O.

Malley, Edward.

Matthies, Henry

Mulcahy, James

Peacock, John

Schnebl, Host-trawser & Ped-griff

Glass and Glazing

Cal. Plate & Window Glass Co.

Cohen, I.

Cobbledick-Kibby

Glass Co.

Friedman Bros.

Fuller & Goepf

Fuller, W. P. & Co.

Habenicht & Howlett

Holland, J. P.

Schwarz & Gottlieb (Inc.)

Grading & Teaming.

Dillon, D.

Eureka Teaming Co.

Fay, S. J.

McClure, H. N.

Wilhelm, A. H.

Wilkie Co., A.

Williams, F. A.

Wright, Chas.

Monarch Teaming Co.

Sibley, L. B.

McLennan, S. B.

Granite.

Bradbury, Thos.

Cal. Granite Co.

De Lano & Sons, I. L.

Hunt, A. T.

Raymond Granite Co.

Hardware.

Baker & Hamilton

Joost Bros.

Kruse, J. H.

Lorenz, Schffaeer & Co.

Meyer, A.

Palace Hdw. Co.

Heat and Light.

Pacific Gas and Electric Co.

Heating & Ventilating.

Burnham Plumbing & Heating, Inc.

Electrical.

American Electrical Engineering Co.

California Electrical Works.

Cronan, Wm.

Mangrum & Otter

Montague, W. W. & Co.

House Moving & Raising.

Blume Cont'g Co.

Pearson, E. K.

Sullivan, D. J.&T

Inlaid Floors.

Hardwood Interior Co

Inlaid Floor Co.

Pacific Floor Sanding Co.

Iron Works.

Lorenz, Schffaeer & Co.

Michaels & Pfeiffer

Monarch Iron Works.

Pacific Rolling Mill Co.

Pacific Struc. Iron Works.

Joint Hangers & Post Caps.

Kortick - Falls Mfg Co.

Lilley & Thurston Co.

Lorenz Schaffer & Co.

Western Builders' Supply Co.

Kawneer System

Store Fronts.

Falls Mfg. Co.

Lilley & Thurston Co.

Light and Power

City Electric Co.

Pac. Gas & Electric Co.

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Acme Cement

Plaster Co.

Arden Plaster Co.

Cowell Lime & Cement Co.

Holland, J. P.

Holmes Lime & Cement Co.

Lennon, Jas. E.

Nephi Plaster Co.

Pacific Bldg. Material Co.

Pac Lime & Plaster Co.

S. F. Lime Co.

Shasta Lime Products Co.

Western Building Material Co.

Western Lime & Cement Co.

Lumber.

Acme Lumber Co.

Christenson Lumber Co.

Hardy, Jas. H., Inc

Hart-Wood Lumber Co.

Humboldt Lumber Co.

Hauptman Lumber Co.

Hooper Lumber Co.

Kruse, J. H.

Loop Lumber Co.

Macdonald Lumber Co.

Moore, R. B. Mill & Lumber Co.

National Mill & Lumber Co.

Olsen Mahoney Lumber Co.

Pope & Talbot.

Santa Fe Lumber Co.

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Tiernan & Bero-nio

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OF SAN FRANCISCO

180-188 JESSIE STREET

PHONE KEARNY 4700

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Treasurer, C. W. Withington.
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Ass't Secretary, W. J. Carberry.
Doorkeeper, E. R. Wolcott.

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Central Iron Wks.
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G. G. Structural Iron Works.
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Ralston Iron Wks
Lorenz Schaffer & Co.
Schneider Iron Works.
St. Francis Orn. Iron Works
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Stove & Foundry Co.
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United States Fidelity and Guaranty Co.

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Remillard Bk. Co
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Paraffine Paint Co
Pratt Building & Material Co.
United Material Co
Waterhouse & Price Co.
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Cement Dealers

Balfour, Guthrie Co.
Cowell Lime & Cement Co.
Holmes Lime & Cement Co.
Holland, J. P.
Maynard, Jr., J. L.
Meyer, A.
Pacific Portland Cement Co.
Western Building Materials Co.
Standard Portland Cement Co.

Clay Products.

Cal Brick Co.
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Sartorio, Charles
Stanguist, Victor
Zimmerman, L. M.

Concrete Reinforcement.

Pacific Building Material Co.

Contractors & Builders.

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Anderson, W. W.
Arthur, L.
Boring, E. H.
Born & Son, S. A.
Brady, C. A.
Braunton Bros.
Buller, Thos.
Burdick, Wm. A.
Caldwell & Co.
Cameron & Diss-ton.
Cavanaugh, Thos. A.
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Conrad, H.
Creghino & Son, Lewis
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Gillespie, G. G.
Gallagher, Frank.
Gardiser, Florent.
Greig, Robt.
Hansbrough Bros.
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Hinson, L. A.
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Jacks, H.
Jones, Paul
Jones, W. G.
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Knowles & Reichley.
Lelter, E. T. & Sons.
Lynch, M. C

Masow & Morrison
Mathews Con. Co.
Mathies, H. C.
McBain, J.
McKillican, R and Wm.
Miller, Adam.
Moller, R. W.
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Penny, Isaac.
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Robinson & Gillespie.
Simmen, John.
Smith, J. W. & Son
Spence, A. T.
Stockholm & Allyn.
Terrill, G. C.
Vezina, L. N.
Warwick, H. C.
White Bros. (carpenters).
Wilhelm, A. H.

Cornice Works.

Amsler, C. S.
Berger Mfg. Co.
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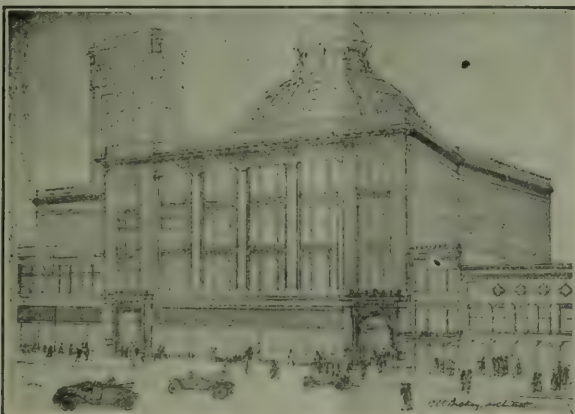
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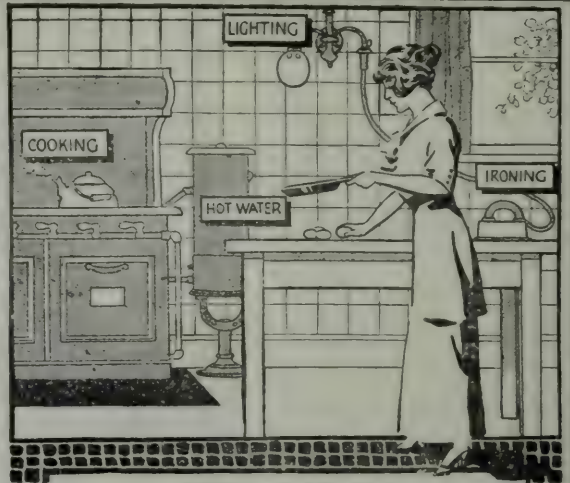
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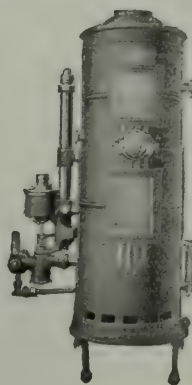
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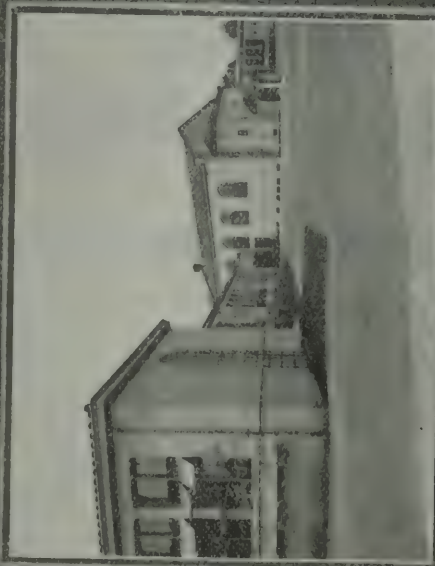
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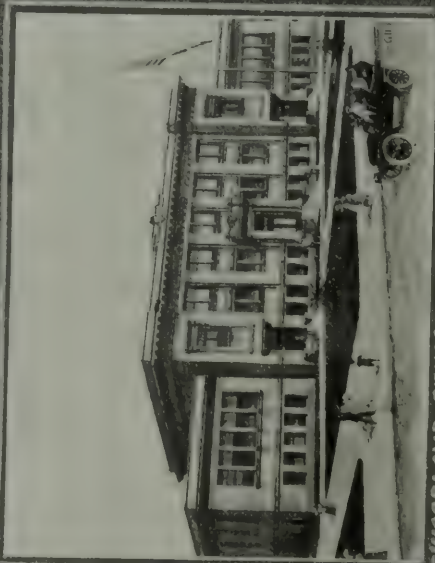
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Fifteenth Year No 21



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Editorial Comment.

The advance reports of the American Contractor on the building situation for the month of April have the following comment:

"The best monthly showing of the calendar year to date in building operations is that for April, the summaries of which are just being completed. The loss as compared with the activities of a year previous is negligible, being less than 2 per cent. Gains and losses in the various cities are fairly well balanced. One interesting development is that several cities show very decided increases, indicating that some big work has started. Another good symptom is that in the larger cities the comparison is generally favorable. New York and Philadelphia show substantial gains. Chicago might have done likewise but for the stupid labor strike in that city, which temporarily paralyzed construction work."

Official reports from some seventy odd cities show the following record:

	April, 1915.	April, 1914.
Akron	\$ 381,035	\$ 569,030
Albany	285,745	1,156,595
Atlanta	446,337	565,879
Baltimore	388,213	635,215
Berkeley	129,000	303,950
Birmingham ...	169,701	318,144
Bridgeport	1,493,413	210,905
Buffalo	1,190,000	1,280,000
Chattanooga ...	44,295	219,490
Chicago	6,820,700	9,465,800
Cincinnati	1,317,485	964,423
Cleveland	3,076,385	2,594,115
Columbus	406,555	683,555
Dallas	492,175	565,335
Dayton	210,260	421,300
Des Moines	225,223	181,178
Detroit	4,268,460	3,013,725
Duluth	340,178	440,491
East Orange	132,501	541,272
Fort Wayne	238,520	388,550
Grand Rapids ...	298,394	132,134
Harrisburg	95,375	292,175
Hartford	582,602	453,843
Indianapolis ...	776,511	1,037,466
Kansas City	1,125,170	736,665
Lincoln	195,999	172,540
Los Angeles	1,591,399	1,898,304
Louisville	282,100	447,870
Manchester	909,520	113,421
Memphis	438,355	420,085
Milwaukee	1,173,693	1,343,502
Minneapolis	1,951,035	1,912,290
Nashville	70,078	258,505
Newark	549,846	754,142
New Haven	465,320	249,485
New Orleans	339,571	204,587
New York City ..	18,064,958	15,267,809
Manhattan ...	6,920,467	5,446,463
Bronx	3,057,143	1,938,742
Brooklyn	5,284,656	5,230,120
Queens	2,412,905	2,422,248
Richmond	389,787	230,236
Oakland	530,302	405,540
Oklahoma	46,865	35,825
Omaha	389,420	593,035
Pasadena	96,923	156,455
Total	\$68,305,137	\$70,657,511

REINFORCED CONCRETE WORK IN EGYPT.

A remarkable piece of reinforced concrete work is the jetty at the port of Alexandria, Egypt. The entire construction has a total length of 330 feet, and is made up of a series of caissons in reinforced concrete which are floated into place in the sea. Such caissons are 5 in number and measure 66 feet long by 26 feet wide and 20 to 22 feet high, and are built on the Hennebique system. Caissons are let down a slipway into the water, and one or more steam tugs serve to tow them into place, where they are let down on the prepared bed of the sea. Concerning recent work in Egypt we may also mention an embankment wall on the Nile at Ghesireh which was very successfully carried out.

UNION IRON WORKS SECURES TANK STEAMER CONTRACT.

LOS ANGELES, CAL.—According to word received from this city the Union Iron Works, San Francisco, has been awarded a contract by the Union Oil Company for building a \$1,000,000 tank steamer. The vessel, which is to be completed in eleven months, is to have a cargo of 80,000 barrels of oil. Its length will be 435 feet, beam 56 feet and raft 33.6 feet. Turbines will propel the steamer while all machinery will be electrically driven.

Zones and District Regulations of Building Heights.

From the Report of the Heights of
Buildings Commission, New York
City, 1914.

Necessity for Districting.

The welfare of the people of a city is very largely dependent on the skill and foresight with which the city has been built. Upon this depends their opportunity for agreeable and remunerative occupation, for the enjoyment of leisure and the creation of a home. If factories and offices are dark and poorly ventilated, the worker suffers in health and comfort. If dwellings are huddled together without adequate provision for open spaces and if dwellings, stores and factories are thrown together indiscriminately, the health and comfort of home life are destroyed.

It will pay a city to attempt by every available means to serve the health and general well-being of its inhabitants. This means increased productivity, and increased productivity means higher wages for the laborer, higher profits for the employer and higher rents for the real estate owner.

The need for the creation of special restrictions for special districts is most clearly exemplified in the case of suburban residence districts. Here real estate developers have often found it profitable to secure control of large areas in order by restrictive covenants to insure to intending purchasers of homes the creation and maintenance of a residence section of a certain desired type. The surroundings and neighborhood are all important in securing desirable home conditions. Unless the general character of the section is fixed for a considerable period of years no one can afford to build a home. If he does build, a change in the supposed character of the neighborhood through the building of apartments, stores or factories, may render the location undesirable for a home of the character he has built and thus greatly depreciate his investment.

Residential and Industrial Districts in American Cities.

The legislation of the past few years shows a distinct trend toward the creation of specially restricted districts. Legislation has been enacted by New York, Massachusetts, Minnesota, Wisconsin, Maryland and Virginia. Ordinances have been passed in Richmond, Milwaukee, Minneapolis, Seattle and Los Angeles.

New York Cities of the Second Class.

The new housing law for cities of the second class, passed by the New York legislature in 1913 (ch. 774) authorized the common council on petition of two-thirds of the owners affected to establish residence districts within which no building other than a single family or two-family dwelling may be constructed. A residence district once created shall continue as such until a like petition shall be presented to and approved by the common council. The unit of area for the residence district consists of the lots fronting on one side of a street between two intersecting streets.

Massachusetts.

In 1912 the legislature of Massachusetts passed an amendment to the general municipal act (ch. 334, laws 1912) that permits every city and town in the State, except Boston, to regulate the height, area, location, and use of buildings and other structures within the whole or any defined part of its limits for the prevention of fire and the preservation of life, health and morals. The power extends to all buildings and other structures except bridges, quays and wharves and structures owned or occupied by the National or State government.

Minnesota.

The legislature of Minnesota at its session of 1913, passed an act empowering the cities of Duluth, Minneapolis and St. Paul to establish residential and industrial districts. The city council, when petitioned by 50 per cent of the property owners in a district, may by a two-thirds vote designate it as being a residential or an industrial district. The erection and maintenance of any industrial or business establishment, no matter what its character, may be excluded from a residential district. Even tenements, apartment houses and hotels may be excluded from such a district. In the designation of industrial districts, the city council is authorized to classify the various industries and in its discretion to restrict each class to a definite and limited area. Upon a petition of 50 per cent of the property owners in a district, the council may set aside its original restrictions, and establish an industrial district out of a residential district, or vice versa.

Minneapolis has already taken advantage of this act on several different occasions. The city council has passed ordinances classifying and designating certain buildings, business occupations, industries and enterprises as business industries and enterprises as business industries and defining and designating certain districts in the city as industrial and residential districts, within which such buildings, occupations or enterprises may or may not be maintained or carried on. The question of the constitutionality of these ordinances has not as yet come before the courts.

Wisconsin.

The legislature of Wisconsin at its last session passed an act (laws 1913, ch. 743) authorizing cities of 25,000 inhabitants or more to set aside exclusive residential districts. There are at present eight cities in the State of this size—Milwaukee, Green Bay, La Crosse, Madison, Oshkosh, Racine, Sheboygan and Superior.

The common council may set apart portions of the city to be used exclusively for residential purposes and may prohibit the erection and maintenance of factories, docks or other similar concerns within such districts. The council may also restrain the encroachment of business houses upon purely residence districts, and require

the consent of the majority of the landowners and residents of such districts, before such business is permitted. The power granted may be exercised upon the initiative of the common council, or upon the petition of ten or more residents in the district or block to be affected. The enactment of ordinances excluding factories, docks or other similar concerns from residential districts shall be a final and conclusive finding that factories operated in such districts are detrimental to the health, comfort and welfare of the residents of the city. Milwaukee is at present mapping out residential districts in accordance with this act.

Los Angeles.

The first districting ordinance in Los Angeles was passed in 1909. The entire city, with the exception of two suburbs is divided into industrial and residential districts. There are twenty-five industrial districts and one residential district. The residential district comprises the whole districted territory exclusive of the areas within the several industrial districts. It therefore encircles and surrounds many of the industrial districts.

The so-called industrial districts do not fairly indicate the extent of the industrial area of the city. In addition to the industrial districts there are fifty-eight districts, known as "residential exceptions," in the residential district that are exempt from the regulations applicable to the residential district and in which business is permitted subject to certain conditions.

The industrial districts vary considerably in shape and size. The largest district has an area of several square miles. At its greatest dimensions, it measures five miles in length and two miles in width. The smallest district comprises one solitary lot. The combined area of the several industrial districts aggregates not more than one-tenth that of the residential district. The industrial districts are, on the whole, pretty well grouped in one part of the city.

The "residence exceptions" are all small. The largest is about a half mile square. With this exception no "residence exception" covers a greater area than two city blocks. In most instances these districts do not occupy more than one or two lots. The combined area of the fifty-eight "residence exceptions" is probably not more than one per cent of the residential district. The "residence exceptions" are, however, scattered more widely throughout the residential district than are the industrial districts.

In general the distinction between the industrial district and the residential district is this: All kinds of business and manufacturing establishments are unrestrained in most of the industrial districts, while specified businesses are excluded from the residential district. Those businesses not especially excluded are permitted in

the residential district. All but the very lightest manufacturing is prohibited in the residential district. The less offensive business and manufacturing may be carried on in the "residence exceptions." The owners of sixty per cent of the neighboring property frontage must give their consent to the creation of any "residence exception."

The constitutionality of the industrial and residential districts in Los Angeles was sustained by the Supreme Court of California, in October, 1911, in the case of *Ex Parte Quong Wo*, 161 Calif., 220, 118 Pac. 714.

In *Ex Parte Montgomery*, 163 Cal. 457, 125 Pac. 1070, the Supreme Court again sustained the constitutionality of the industrial and residential districts. In this case, the petitioner owned a brick yard in the residential district. He had acquired the land for this brick yard in 1902, before the territory to which the ordinance was directed had been annexed to Los Angeles. The land contained valuable deposits of clay suitable for the manufacture of brick, and was more valuable for brick making than for any other purpose. The petitioner had during the entire period of his ownership used the land for brickmaking and had erected on it the kilns, machinery and buildings necessary for such manufacture.

In upholding the constitutionality and ejecting the brickyard from the residential district, the court held that the police power is not restricted to the suppression of nuisances, but extends to the regulation of the conduct of business and to the use of property to the end that public health or morals may not be impaired or endangered.

The court also held that the right of the legislature, in exercising the police power to regulate or in proper cases to prohibit the conduct of a given business, is not limited by the fact that the value of investments made in the business prior to any legislative action will be greatly diminished. A business which, when established, is entirely unobjectionable, may by the growth of population in the vicinity become a source of danger to the health and comfort of those who have come to be occupants of the surrounding territory. If the legislature should then prohibit its further conduct, the proprietor can have no complaint upon the mere fact that he has been carrying on the trade in that locality for a long time. The power to regulate the use of the property or the conduct of a business is, of course, not arbitrary. The restriction must bear a reasonable relation to some legitimate purpose within the purview of the police power.

Where a region surrounded by a brick yard has become primarily a residential section, and the occupants of neighboring dwellings are seriously discommoded by the operations of the yard, the court held that a prohibition of the business in the district is not objectionable, as being an arbitrary invasion of private right, but is a valid right exercise of police power to prevent injury to others.

Where there are reasons justifying the prohibition of a business within an area described in an ordinance adopted by a city, the court states that in

determining the validity of the prohibition it will not consider whether conditions in other parts of the city require a like prohibition, as that presents a legislative question.

Districting in German Cities.

Districting is most fully developed in German cities. There it is known as the zone system. The term zone was particularly appropriate in Germany where special regulations were applied to the successive belts of building development surrounding the central walled city. At present, however, in many German cities the districts are not concentric zones, and the system might more appropriately be called "district system."

The district system is a method of regulating buildings as a part of a general city plan. It has two characteristics: it groups buildings of different classes and it limits the density of buildings progressively, allowing buildings to be higher and to cover more of the lot, in the centers where land values are greater and business needs require more concentration, and making the requirements more and more severe as the distance from these centers increases.

Under the German rules the height of buildings is invariably regulated with relation to the width of the street upon which the building is situated; and also, usually, by a maximum which, irrespective of the width of the street, it must not exceed. In many cities, it must not exceed. In many cities, in the zone or zones of greatest concentration, a height a little in excess of the street width is allowed; in the other zones, it must not exceed that width, and in the outer zone or zones the maximum limits it to less. Usually, too, there are minimum courts, and all rooms constructed for the residence or long continued business use of mankind must have a window upon a court of at least a specified size. The proportion of the lot that may be covered by buildings, also, is almost invariably limited progressively, buildings on corner lots in each zone being allowed to cover more than those on inside lots. The ordinances in the different cities differ in detail, but in general the system is the same. The provisions of the Frankfurt ordinance illustrate it as well as any other:

The older or inner city is the first zone or district. Here the highest buildings are allowed. They must not exceed the width of the street, plus 10 feet. Or in any case, however wide the street, about 66 feet. This is to the cornice; the roof above this is restricted by an angle, and in no case may exceed about 80 feet. The roof is more than mere roof; it is a roof story, in which there are rooms, which, however, may not always be used for residence. The number of stories is also restricted; in this zone it must not exceed five, and the roof story.

Here in the inner city, also, the greatest proportion of the lot may be covered with buildings, three-quarters, for corner lots five-sixths. Factories are allowed but are not numerous. Solid blocks are permitted. The city here presents the appearance of being fully built up to a fairly uniform height.

The outer city is divided into an outer, an inner, and a country zone, in

which the height of buildings is allowed progressively decreases, and the amount of the lot that must be left free of buildings increases. In each of these zones are residence, factory and mixed sections. In the residence sections, factories are so discouraged as to be practically forbidden. In the factory sections, situated along the railroads, the harbor, and out of the city in the direction so that the prevailing winds will blow the smoke away from the city, residences are forbidden. In the factory sections, the restrictions on height and amount of lot covered do not become progressively greater. The mixed sections are near the factory sections, and there, too, under certain mild restrictions, many sorts of manufacturing are permitted.

In the residence sections a space between neighboring houses of about 10 feet in the inner zone and a third more in the outer zone is required. Groups of buildings are, however, allowed with a somewhat less proportionate amount of free space for the group as a whole.

Certain parts of the newly added territory of the city, beyond all the other zones, and forming a zone by itself, have been reserved for a villa section, in which only country homes are allowed.

In all these zones the amount of the lots that must be left free progresses, until in the villa section, it is seven-tenths of the entire lot. Thus, also, the permissible height decreases to about 53 feet and the number of stories to two. This does not include the roof story and the actual roof, which together, in this zone, must not exceed about six feet in height. In no case, however, may the house exceed in height, except for the roof story and roof, the width of the street upon which it stands.

Housing in German Cities.

In 1910 the German Imperial Statistical Office issued, in its series of *Workmen's Statistics*, a volume of *Housing in German Cities*. It contains probably the only collection of German building laws, orders and ordinances in existence. The collection covers 106 cities, including all cities and city states (like Bremen and Hamburg) that according to the census of December 1, 1905, had more than 50,000 inhabitants; and also a number of cities that, in relation to housing, were of special interest.

The following indicates the basis which, in the opinion of the imperial government, underlies the main provisions of the German building ordinances:

From the building police regulations substantially the following provisions were chosen: Height of buildings (front and rear buildings), number of stories, permissible are to be built over and size of court, space between buildings of adjoining proprietors, dwelling rooms in general, roof and cellar rooms, water closets, also such provisions as contain modifications lessening the requirements with regard to the construction of small houses, one-family houses, etc. These are essentially health measures."

From Pacific Municipalities.

ADVANCE NEWS

Classified according to Character of Work

APARTMENT HOUSES

SAN FRANCISCO—Apartment house, 4 story and base, reinforced concrete, \$30,000. Architect, Charles J. Rousseau, 46 Kearny street, S. F. Owner, John Kincannon. The building will be erected on the south side of Post street east of Van Ness avenue, and will have a frontage of 27½ feet by 120 feet. The building has been designed to contain twenty apartments arranged in suites of two and three rooms. All apartments will have wall beds and private bath rooms. Interior finish will be of pine with some blue gum. Hardwood floors will be used in the principal rooms. Plans provide for steam heat and automatic elevators, a hot water circulating system and vacuum cleaning. Bath rooms will be finished in tile. Marble and tile wainscot will be used in the entrance lobby. Exterior of the building will be faced with pressed brick. Plans are complete and figures are now being taken by the architect.

SAN FRANCISCO—Apartment house, 4 story and base, Class C construction, \$40,000. Architect, Joseph Cahen, 45 Kearny street, S. F. Owners, I. Rosenberg and Joseph Cahen. The building will be erected on the north side of Bush street, 77-6 west of Powell, and will have a frontage of 60 feet. The lower floor has been designed to contain a number of stores besides the entrances and lobby. Upper floors will be arranged for a number of two and three room suites, all of which will have private baths and wall beds. Interior finish will be of pine with some elm panels. Hardwood floors will be used in the living and dining rooms. Bath rooms will be finished in tile. Plans provide for furnace heat, an automatic elevator, hot water circulating system and vacuum cleaning. Marble and tile wainscot will be used in the entrance vestibules. Exterior of the building will be faced with pressed brick trimmed with terra cotta. Plans are complete and figures are now being taken.

OAKLAND, CAL.—Apartment house, 2 story and base, frame, \$10,000. Architects, Hutchinson & McLean, 470 13th street, Oakland. Owner, John Garretson. The building will be erected at the corner of 41st and Manila streets, and has been designed to contain eight apartments of three rooms each. Interior finish will be of pine with some hardwood veneer. Hardwood floors will be used in the principal rooms. Plans provide for furnace heat and a hot water system. All apartments will have wall beds and private baths. Bath rooms will be finished in tile. Exterior of the building will be covered with cement plaster on metal lath. Plans are complete and in the hands of the owner who is taking figures on the general contract.

SAN FRANCISCO—Apartment house alteration, 3 story and base, frame. Cost not stated. Architect, Carl Geilfuss, 46 Kearney street, S. F. Owner, Carl Geilfuss. The present residential Flat building located on Fulton street near Steiner will undergo extensive alterations. There will be six modern apartments of four and five rooms. Interior will be finished in pine and white enamel. Hardwood floors will be used in all living and dining rooms. Plans show a steam heating system and hot water supply. Bath rooms will be finished in tile. No exterior work is included. Plans are complete and the owner will let segregated contracts.

SAN FRANCISCO—Apartment house, 3 story and base, brick and steel, \$18,000. Architect, C. O. Clausen, Hearst Bldg., S. F. Owner's name withheld. The building will be erected on O'Farrell street near Leavenworth, and has been designed to contain a number of two and three room apartments. Interior will be finished in pine and elm. Some oak floors will be used. There will be steam heat and a hot water system. All suites will have wall beds and private bath rooms. Marble and tile wainscot will be used in the entrance. Exterior of the building will be faced with pressed brick trimmed with terra cotta. Plans are complete and figures will be called for at once.

BANKS

PORTLAND, ORE.—Bank, 3 story and base, Class A construction, \$400,000. Architects, Shoppley & Coolidge, Boston. Owners, First National Bank of Portland. The building will be erected on the southwest corner of 5th and Stark streets, and will cover a considerable ground area. The design is in the classic style. Construction will be of the class A type, with a complete steel frame and exterior of marble, granite and terra cotta. Although complete plans have not yet been received in Portland construction has already been started. Foundation work and excavating is nearly complete. Further information on this work will be given on the receipt of plans and specifications in Portland.

MARTINEZ, CONTRA COSTA CO., CAL.—Bank, 2 story and base, concrete and stone, \$12,000. Architect, A. A. Cantin, Foxcroft Bldg., S. F. Owners, Bank of Martinez. Sixteen sets of bids were received for the construction of this building. The low figure came from Harvey A. Klyce at \$11,364. Mr. Klyce was awarded the contract. A complete list of the bids as received will be found under the heading of Marin, Contra Costa and Sonoma Counties in this issue.

BONDS.

REDDING, SHASTA CO., CAL. Citizens of the Anderson-Cottonwood Irrigation District will vote June 18th

on the proposition of issuing and selling \$480,000 in bonds for building the system. The system, it is calculated, will irrigate 32,500 acres in the neighborhood of Redding, Anderson and Cottonwood. This will be the greatest project in the extreme upper portion of the Sacramento Valley.

SANTA ROSA, SONOMA CO., CAL.—June 5th has been set by County Superintendent Florence M. Barnes as the date of the special election that is to determine whether a union high school district is to be formed at Geyersville, Pena, Independence, Canyon, Hamilton and Oriental.

MARYSVILLE, YUBA CO., CAL.—The City Council, by a unanimous vote, has directed City Engineer W. M. Meek to prepare plans and specifications for the extension of the sewerage system in this city.

A bond election will be called to vote bonds for the construction of the extensions to be made.

FRESNO, FRESNO CO., CAL.—The movement for a bond issue to provide for civic improvements is now being discussed by the City Council of Fresno. It is now the intention of the officials to include in the proposed election the building of a central fire house and completely motorize the fire department.

R. E. Cronkhite, the City Engineer, has recommended that bonds be voted to enlarge the present sewer system and construct a separate storm sewer system. Cronkhite's recommendation has met with much favor by the Council, and it is probable that the date of the election will be set in the near future.

TAFT, KERN CO., CAL.—Taft's newly elected high school board is considering the matter of calling an election to vote bonds of \$60,000 with which to erect a new high school building. A date for the election will be made at the next meeting.

WASHINGTON, YOLO CO., CAL.—The electors of the Washington Levee District defeated a bond issue of \$10,000 for the improvement of the levee at an election called by the Levee District Trustees. Fifty-nine votes were cast. In favor of the issue 23, against 36.

CRYSTAL SCHOOL DISTRICT, SO- LANO CO., CAL.—A bond election will be held on June 8th in the Crystal School District to vote bonds in the sum of \$40,000 with which to erect a new school building for the district.

VISALIA, TULARE CO., CAL.—The joint committee of the Board of Trustees and Board of Trade will at once take steps to secure plans and specifications for the proposed municipal auditorium to be erected here, preparatory to calling a bond election to vote bonds in the sum of \$40,000 for the erection of the structure.

ANAHEIM, ORANGE CO., CAL.—A movement has been started to have the Board of Trustees call a special election to vote bonds in the sum of

\$65,000 for the purchase of a park and city hall site and \$35,000 for the erection of a new city hall building.

EL PASO, TEXAS.—The County Commissioners have disposed of the \$360,000 bond issue for the erection of a new court house. Architects Trost & Trost of El Paso are preparing the plans for the new structure.

SANTA ANA, ORANGE CO., CAL.—The Board of Education is considering the erection of a machine shop building at the polytechnic high school. The cost will be about \$14,000.

VISALIA, TULARE CO., CAL.—The Board of Trustees will probably call a special election shortly to vote on the question of issuing bonds for the construction of a municipal sewer system.

CALIFORNIA—The voters of California will have an opportunity in November, 1916, of approving the proposition to issue \$15,000,000 in bonds for the completion of the State Highway system. Governor Johnson has signed Assembly Bill 1596, which provides for the completion of the system and the construction of seven new laterals connecting the coast and interior trunk lines in various counties.

MARTINEZ, CONTRA COSTA CO., CAL.—Out of 150 votes cast only 5 were against the proposition of issuing bonds of \$3,000, the proceeds to be used in the purchase of four lots. If the election carries temporary buildings will be erected on these lots and after the indebtedness has been paid off additional bonds will be issued for the construction of a modern school building.

HILLSBORO, SAN MATEO CO., CAL.—The town of Hillsboro will soon call an election at which time the voters will decide the question of issuing bonds of \$40,000 for street improvements and \$25,000 to provide for the erection of a new school building. It is undecided as to whether the City Trustees or School Trustees will hold the election for the school bonds.

WILLIAMS, COLUSA CO., CAL.—The town has voted to establish a lighting district, the vote being 137 to 5 against. The district will cover the entire town of Williams and lights will be provided at every street intersection.

The plant probably will be installed during September.

BRIDGES AND DAMS

VACAVILLE, SOLANO CO., CAL.—Retaining wall, reinforced concrete. Cost not stated. Engineer, City Engineer, Vacaville. Owners, City of Vacaville. Plans have been completed for the construction of a reinforced concrete retaining wall which is to be erected along the lot line of the Vacaville High School. Plans are now out for figures. Bids will be opened on June 1st. Plans and specifications can be secured from the City Engineer at Vacaville.

SONOMA, SONOMA CO., CAL.—Bridge, reinforced concrete. Cost not stated. Engineer, County Surveyor, Santa Rosa. Owners, Sonoma County. Plans have been completed and are now out for figures for the construction of a reinforced concrete and steel bridge which is to be erected across Dry Creek at Lambert Crossing. Bids for this work will be opened on June 7th at 12 o'clock. Plans and specifications

can be secured from the office of the County Surveyor or the County Clerk. W. W. Felt, Jr., is the County Clerk.

SALINAS, MONTEREY CO., CAL.—Bridge, reinforced concrete. Cost not stated. Engineer, County Surveyor, Salinas. Owners, Monterey County. Plans have been completed and have received the approval of the Board of Supervisors for the construction of two bridges over the Salinas River. One of these bridges will be erected at Neponset and the other at Macimiento. Bids will be opened on June 8th. Plans are now out for figures and can be secured from the County Clerk.

SAN BERNARDINO, SAN BERNARDINO CO., CAL.—Bridge, reinforced concrete, \$75,000. Engineer, County Surveyor James Sourwine. Owners, San Bernardino County. The State has approved the plans for the construction of the Colorado bridge, and County Engineer James Sourwine is now on his way to Washington with the plans. It is expected to have the bridge under construction by July 1st. The Government will appropriate \$25,000 of the total amount of cost of construction.

Contracts Awarded.

AUBURN, PLACER CO., CAL.—Bridge, reinforced concrete and steel. Cost not stated. Engineer, County Surveyor, Auburn. Owners, Placer County. Contractors, Jenkins & Wells, Sacramento. Contract price is not stated. This contract covers the construction of the Bear River bridge. At the same meeting of the Board of Supervisors a contract for furnishing the county with cement was awarded to the Pacific Portland Cement Co. of San Francisco. The contract price is not stated.

SANTA ROSA, SONOMA CO., CAL.—Bridge, reinforced concrete. Cost not stated. Engineer, County Surveyor, Santa Rosa. Owners, Sonoma County. Contractors, The Call Construction Co. Contract price not stated. The contract covers the construction of a bridge over Melitta Creek.

CHURCHES.

PORTLAND, ORE.—Mausoleum, 1 story, reinforced concrete and granite, \$75,000. Architects, Lawrence & Holford, Chamber of Commerce Bldg., Portland. Owners, Portland Mausoleum Co., Spaulding Bldg., Portland. The building will be erected on East 14th street, between Bybee and Duke avenue, and will cover an area of 58 by 250 feet. Construction will be fire-proof throughout. The interior has been arranged for 1,000 crypts. Of this number there will be ten family apartments, while the remaining 900 will be individual crypts. Interior finish will be of marble and tile with art glass windows, doors and modern plumbing. The exterior of the building will be faced with marble and granite. Plans are now being prepared, and will be ready for figures within the next two months.

LOS ANGELES, CAL.—Masonic Temple, 2 story and base, brick. Cost not stated. Architects, Tuttle & Angel, Delta Bldg., L. A. Owners, Mispah Masonic Temple Association. The building will be erected at the corner of Pico and Hoover streets, covering an

area of 42 by 116 feet. The main floor will be arranged for a banquet hall, ball room, ladies' and gentlemen's parlors, kitchen and service rooms. Upper floor will contain a large lodge room, ante rooms and card rooms. Interior will be finished in pine and hardwood with special decorations. Hardwood floors will be used. There will be a central heating system and hot water system. Exterior of the building will be faced with pressed brick. Plans are now being prepared.

COURT HOUSES.

SAN FRANCISCO—City Hall painting. Cost not stated. Architects, Bakewell & Brown, 251 Kearny street, S. F. Owners, City and County of San Francisco. Plans have been completed and figures are now being called for for the painting and decorating of the new City Hall. Bids will be opened by the Board of Public Works on June 9th. Plans and specifications can be secured from the City Department of Architecture, Temporary City Hall Building.

SAN FRANCISCO—City Hall vault work. Cost not stated. Architects, Bakewell & Brown, 251 Kearny street, S. F. Owners, City and County of San Francisco. Plans and specifications for the special vault work which is to be installed in the new City Hall have been completed and approved. Bids are now being taken by the Board of Public Works and will be opened on June 16th. Plans and specifications can be secured from the Department of Architecture in the Temporary City Hall Building.

STOCKTON, SAN JOAQUIN CO., CAL.—Court house painting. Cost not stated. Architect, none. Owners, San Joaquin County. Bids will be opened on June 8th at 10 a. m. for painting the County Court House at Stockton. Further information can be secured from the County Clerk.

GRANTS PASS, ORE.—Court house, 3 story and base, reinforced concrete, \$150,000. Architect, E. E. McClaran, Portland. Owners, Josephine County. San Francisco contractors figuring the construction of the new county court house to be erected at Grants Pass have been notified that all bids for the work have been rejected and that the work will not be refigured until next year. Further mention will be made of this work when new bids are called.

BAKERSFIELD, KERN CO., CAL.—Court House interior mill work. Cost not stated. Architect, none. Owners, Kern County. Plans are complete and have been turned over to the County Clerk at Bakersfield for the construction of new counters and office fixtures in the office of the County Tax Collector. Bids on the work are now being taken and figures will be opened on June 9th.

COUNTY EXHIBIT BUILDING.

FRESNO, FRESNO CO., CAL.—County exhibit building, 1 story, brick. Cost not stated. Architect, County Surveyor Scott McKay, Fresno. Owners, Fresno County. Plans have been completed for a one-story exhibit building to be erected on the County Fair Grounds. The building will be known as exhibit building No. 2. Bids are now being taken for this work and will be opened by the Board of Supervisors on June 8th. Plans and

specifications can be secured from the office of the County Surveyor.

FACTORIES AND WAREHOUSES.

LOS ANGELES, CAL.—Warehouse, 6 story and base, reinforced concrete. Cost not stated. Architect, Homer Hamlin, City Harbor Engineer, L. A. Owners, City of Los Angeles. The building will be erected on the city water front and will be under the direction of the Harbor Commission. The structure will cover a ground area of 152 by 180 feet and will be fireproof. There will be reinforced concrete walls, floors and roof slabs. Interior partitions will be of hollow tile. Six elevators, automatic sprinklers and automatic fire doors will be installed. Plans provide for metal window sash and frames. Exterior of the building will be faced with cement plaster. Plans are now being prepared.

SAN FERNANDO, LOS ANGELES CO., CAL.—Warehouse, 2 story and base, hollow tile construction, \$25,000. Architect, Herbert A. Hamm, 100 North Daisy street, Lamanda Park, L. A. Owners, San Fernando Lemon Association. The building will cover an area of 200 by 200 feet. There will be pine trim, hollow tile partitions, modern plumbing and electric work. Specially constructed sash and frames will be used. Exterior of the building will be faced with cement plaster. Plans are complete and figures are now being taken.

FIREHOUSES AND JAILS

SAN FRANCISCO—Detention home, 9 story and base. Class A construction. Cost not stated. Architect, Louis C. Mullgardt, Chronicle Bldg., S. F. Owners, City and County of San Francisco. Plans and specifications for the new Detention Home, which is to be erected on Otis street between McCoppin and Duboce avenue, have been completed and approved by the Board of Public Works. Bids for the first portion of this are now being called for. This work includes the excavating, foundation and structural steel. Bids will be opened on June 2nd. Plans and specifications can be secured from the City Department of Architecture, Temporary City Hall. Further information can be secured from the Board of Public Works.

SAN FRANCISCO — Refrigerating room and disinfector, City Jail. Cost as follows. Architect, City Department of Architecture, Temporary City Hall Bldg., S. F. Owners, City and County of San Francisco. Bids were opened at last Wednesday afternoon meeting of the Board of Public Works for constructing a refrigerating room in the City and County Jail. Also for the installation of a disinfector. Wittman-Lyman Co. submitted the lowest bid for the refrigerating room at \$2,344, while the Burnham Plumbing Co. were low for the disinfector at \$1,397. A complete list of the bids will be found under the heading of San Francisco in this issue.

Contracts Awarded.

SAN FRANCISCO—Fire house lighting system, \$1,150. Architects, Ward & Blohme, Alaska Commercial Bldg., S. F. Owners, City and County of San Francisco. Contractors, Thomas Day Co., S. F. Contract price, \$1,150. The

contract covers the furnishing and installation of lighting fixtures in Engine House No. 12.

FLATS

SAN FRANCISCO—Flats, 2 story and base, frame, \$8,500. Architects, Fabre & Bearwald, Merchants National Bank Bldg., S. F. Owner's name withheld. The building will be erected at the corner of 19th and Shotwell streets, and has been designed to contain four modern flats of three rooms each. Interior finish will be of pine and redwood. Hardwood floors will be used. There will be automatic water heaters. Bath rooms will be finished in tile. Exterior of the building will be covered with shiplap. Plans are complete and figures are now being taken.

OAKLAND, CAL.—Apartment flats, 2 story and base, frame, \$5,000. Architect, Charles W. McCall, Central Bank Bldg., Oakland. Owner's name withheld. The building will be erected on Broadway near the Manual Training School, and has been designed to contain four modern apartment flats of three rooms each. Interior finish will be of pine with some elm panels. Hardwood floors will be used in the living and dining rooms. There will be a central heating system and hot water supply. Wall beds are specified. Bath rooms will be finished in tile. Exterior of the building will be covered with cement plaster on metal lath. Plans are now being prepared.

OAKLAND, CAL.—Flats, 3 story and base, frame, \$3,500. Architect, none. Owner, Michaels Cirimele, Park street, Alameda. The building has been designed to contain two modern flats and a store and will be erected on the south side of Seventh street east of Henry. Interior finish will be of pine and redwood. Some oak floors will be used. There will be an open fire place in each of the living rooms. Tile wainscot will be used in the bath rooms and kitchen. Automatic water heaters are specified. The exterior of the building will be covered with cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor.

STOCKTON, SAN JOAQUIN CO., CAL.—Flats, 2 story and base, frame, \$6,000. Architect, Franklin E. Werner, San Joaquin Bldg., Stockton. Owner, C. A. Eldridge. The building will be erected on West Poplar avenue near Harrison, and has been designed to contain eight modern flats. Interiors will be finished in pine and redwood with some hardwood veneer. Hardwood floors will be used in the living and dining rooms. There will be open fire places and tile or brick mantels. Bath rooms will be finished in tile. Wall beds are specified. Bath rooms will have tile wainscot. Automatic water heaters will be installed. Exterior of the building will be covered with rustic. Plans are now being prepared.

SAN FRANCISCO—Flats, 2 story and base, frame, \$6,000. Architect, none. Owners, Conservative Building and Investment Co., Phelan Bldg., S. F. The building will be erected on the north side of Clement street west of 14th avenue, and has been designed to contain two flats of six rooms each. Basement will be arranged for a private garage. Interiors will be finished in

pine with some elm panels and white enamel. Hardwood floors will be used in the living and dining rooms and reception halls. There will be open fire places and tile or brick mantels. Tile wainscot will be used in the bath rooms. Automatic water heaters will be installed. Exterior of the building will be covered with cement plaster on metal lath. Plans are complete and in the hands of the owners who will do the work by Day Labor. Materials are now being purchased.

Contracts Awarded.

SAN FRANCISCO—Boilers and boiler house extension, frame and concrete construction. Cost not stated. Architect, William A. Newsom, Post Office Bldg., S. F. Owners, United States Government. Plans have been completed and are now in the hands of the supervising superintendent of construction, room 403, Post Office Building, for the installation of a new boiler and the construction of an addition to the boiler house at the United States Marine Hospital in this city. Bids for this work will be opened on June 22nd. Plans and specifications can be secured from room 403, Post Office Building. An official proposal appears in another column of this issue.

GOVERNMENT WORK & SUPPLIES

Gray's Harbor, Stone.

The contract for furnishing stone for jetty construction at Lone Tree, Gray's Harbor, Wash., has been awarded to the Hercules Sandstone Co., of Tenino, Wash., at \$281,600 and J. M. Clapp of Seattle, Wash., at \$68,400.

San Francisco Q. M. Depot Moves.

The office of the depot quartermaster, San Francisco, Cal., has been moved from 1086 North Point street, San Francisco, to the storehouses near transport dock, Fort Mason, San Francisco, and in connection therewith the depot quartermaster has issued the following:

Notice is hereby given that the location of this depot after May 7, 1915, will be at storehouses near transport dock, Fort Mason, San Francisco, Cal. Supplies on outstanding orders which call for delivery at 1086 North Point street or 3208 Van Ness avenue should, therefore, be delivered at the new address. All mail, including proposals, submitted should be addressed Depot Quartermaster, Fort Mason, San Francisco, Cal.

The time of opening of proposals for sewer and water systems under specification No. 2151 at the naval radio station, San Diego, Cal., is hereby extended to 11 a. m. May 29, 1915. W. M. SMITH, acting chief of bureau of yards and docks.

Trouble With Naval Contractors.

The naval authorities who have to do with bids and contracts have been more or less annoyed with cases which call for a debarment of firms from bidding on account of irregularities or unsatisfactory service. The Bureau of Standards has issued the following circular on the subject: "It has been the history of nearly all these debarment cases that as soon as one company is debarred another supply company springs up, often at the same street address. It frequently happens that

the dominant character in the original concern is directly associated with the new concern in some way, though frequently not of record. When men have become thoroughly familiar with the needs of the government and have established an acquaintance with ships and yards, such individuals dislike very much to go into other lines of business. It is therefore deemed advisable that, before making awards to new concerns not known to purchasing pay officers, careful inquiry be made into the status of all such firms for the particular purpose of finding out whether they have associated with them any persons who have been previously debarred from bidding on naval supplies. Reports may be obtained from Dun and Bradstreet, and further investigation will be made by inquiries of civil authorities and courts and by securing the opinions of reliable firms. Whenever the result of the investigations leaves the purchasing pay officer in doubt as to whether the concern desiring to bid is a regular dealer or whether it has any connection with any person or concern previously debarred, an affidavit will be secured in duplicate (one copy to be retained in the files of the pay office and one copy to be forwarded to the bureau of supplies and accounts) showing the names of all officers of the concern, its place of business, its lines, and the extent of its trade. The affidavit will also contain the following paragraph: 'No person in any way connected with the concern, either as a principal or as an employee, so far as is known, has at any time been debarred as a bidder, or has been connected as a principal with any concern that has been debarred as a bidder on naval supplies; nor will any such persons be employed or allowed to have any connection with the concern, its principals, or employees as long as the concern bids upon naval supplies. The word 'concern' may be changed to 'company,' 'firm,' or 'corporation,' as may be necessary. It is not expected that this affidavit will be secured from firms of known standing. Its purpose is to keep out men who have been debarred and prevent them from doing business with the Navy under another firm name.'

SAN FRANCISCO—Store house and auto garage, 2, 1 story, reinforced concrete. Cost not stated. Architect, Constructing Quartermaster's Office, Fort Mason. Owners, United States Government. It is stated that Harvey A. Klyce is low on the store house for combustibles and that MacDonald & Kahn are low on the auto garage to be erected at the Letterman General Hospital. No awards have been made. Bids for this work were opened last week.

FORT BAKER, MARIN CO., CAL.—Gymnasium addition, 1 story, brick, \$4,040. Architect, Constructing Quartermaster, Fort Mason. Owners, United States Government. Under bids opened for this work last week, Harvey A. Klyce of San Francisco submitted the lowest figure. He will probably be awarded the work.

HALLS AND SOCIETY BUILDINGS

OAKLAND, CAL.—Lodge hall, 3 story and base, frame, \$20,000. Architect,

Frederick Soderberg, Union Bank of Savings Bldg., Oakland. Owners, Oakland, Swedish Hall Association. Four sets of figures were received for the construction of this building, the lowest being presented by Alfred Olson at \$16,086. He will probably be awarded the work.

EAST AUBURN, PLACER CO., CAL.—Lodge hall, 2 story and base, brick and terra cotta, \$20,000. Architect, Allen D. Fellows, East Auburn. Owners, Auburn Masonic Hall Association. Plans are complete and figures are now being taken for the construction of a two-story lodge hall for the Masonic Order at East Auburn. Considerable work has already been done on the first story of this building. Contractors desiring to figure the work should visit the site and fully acquaint themselves with the requirements. It is the intention of the organization to let a general contract for the balance of the building. Included in the work will be steam heat and elevator, and hardwood interior finish. The exterior of the building will be faced with pressed brick and terra cotta. Complete plans and specifications can be secured from the architect. Subcontractors wishing to submit figures will consult Architect Fellows.

HOSPITALS

SAN FRANCISCO—Nurses' home, 2 story and base, concrete and frame. Cost not stated. Architect, City Department of Architecture, Temporary City Hall Bldg., S. F. Owners, City and County of San Francisco. Plans and specifications have been completed for the two-story nurses' home which is to be erected on the Isolation Hospital site in San Francisco. The building will contain a number of rooms, baths and ward rooms. Interior finish will be of pine. There will be a central heating system. Exterior will be covered with cement plaster. Bids will be opened on June 2nd. Plans and specifications can be secured from the Board of Works, Temporary City Hall Bldg., S. F.

OAKLAND, CAL.—County Infirmary, 1, 2 and 4 story. Class A buildings, \$1,000,000. Architect, Charles Peter Weeks, Mutual Bank Bldg., S. F. Owners, Alameda County. June 14 has been set as the date on which bids will be opened for the excavating and foundation work on the first unit of the group of buildings. Plans can now be secured from the office of the architect in San Francisco.

Contracts Awarded.

SAN FRANCISCO—Hospital excavating, steel and foundation work. Cost not stated. Architect, Lewis P. Hobart, Chronicle Bldg., S. F. Owners, University of California. The Clinton Fireproofing Co., Mutual Bank Bldg., S. F., contract for the foundation work at \$4,250, and for the fireproofing, \$63,625. The contract for the erection of the structural steel has been awarded to the Pioneer Construction Co., and a contract for the excavating has been awarded to the Foster-Vogt Co. Contract prices for the last named contracts are not given.

HOTELS

BERKELEY, ALAMEDA CO., CAL.—Hotel alteration, 5 story and base,

brick, \$14,000. Architect, Eugene K. Martin, 2192 Shattuck avenue, Berkeley. Owners, San Francisco Banking Syndicate. The present five-story office building located on the east side of Shattuck avenue north of Center street will be altered into a modern hotel. Included in the work will be new interior partitions, heating, plumbing and electric work. An automatic elevator, ornamental iron, marble work, painting and sheet metal electric work and plumbing. The balance of the work is now out for fig-work. Contract has been let for the ures.

SANTA ANA, ORANGE CO., CAL.—Hotel and stores, 3 story and base, brick and steel, \$150,000. Architect, John J. Frauenfelder, Story Bldg., L. A. Owners, J. S. Jackman and J. P. Baumgartner. The building will be erected on North Main street and will cover a large ground area. Besides the hotel office and lobby the first floor will be arranged for six modern stores. Upper two floors will contain a total of 120 guest rooms, a large percentage of which will have private baths. Interior finish will be of pine and hardwood. There will be steam heat, a hot water system and metal window sash and frames. Patent store fronts will be used. Bath rooms will be finished in tile. Exterior of the building will be faced with pressed brick. Plans are now being prepared.

LIBRARIES.

LOS ANGELES, CAL.—Library, 1 story and base, hollow tile construction, \$35,000. Architect, W. J. Dodge, Marsh-Strong Bldg., L. A. Owners, City of Los Angeles. The building will be erected at the corner of First and Channel streets, and will cover an area of 100 by 80 feet. There will be general reading rooms, stack rooms and offices. Interior will be finished in pine and hardwood with maple floors. A central heating system, vacuum cleaning and metal window frames and sash will be installed. Metal book stacks are specified. Exterior of the building will be faced with pressed brick. Working drawings are nearly complete and figures will be called for shortly.

PANAMA-PACIFIC EXPOSITION WORK.

SAN FRANCISCO—Fine Arts building addition, 2 story. Class A construction. Cost not stated. Architect, Bernard R. Maybeck, Lick Bldg., S. F. Owners, Panama-Pacific International Exposition Co. An addition to the Fine Arts Building on the Exposition Grounds has now been determined upon. The addition will be designed along the lines similar to the present Fine Arts Building, and will be erected in the rear of that structure, covering an area of approximately one acre. The addition has been made necessary by the unexpected number of European exhibits of fine arts which arrived on the U. S. steamer Jason. Bids will be called for on this work as soon as plans can be completed. Further official announcements will be made in the columns of this issue.

RAILROAD CONSTRUCTION AND EQUIPMENT.

TURLOCK, STANISLAUS CO., CAL.—Railroad station, 1 story, frame and brick, \$10,000. Architect, Engineering Department Southern Pacific Co., Flood Bldg., S. F. Owners, Southern Pacific Co. Plans for this building, which has been mentioned here a number of times before, have been completed and approved by the State Railroad Commission. The building will contain two waiting rooms, baggage and express office and agent's office. Interior will be finished in pine with cement floors. A central heating system will be installed. Exterior of the building will be faced with pressed brick veneer. Bids will be called for at once.

RESIDENCES.

SAN FRANCISCO—Residences, 2, 2 story and base, frame, \$2,500 each. Architect, none. Owner, F. Nelson, 30 Presidio Terrace, S. F. These dwellings will be erected on the west line of 28th avenue south of Lincoln Way, and each has been designed to contain five rooms and bath. Interior finish will be of pine and redwood with some elm panels. Hardwood floors will be used in the living rooms and dining rooms. There will be open fire places and tile or brick mantels. Tile wainscot will be used in the bath rooms. Plans provide for automatic water heaters. Exteriors will be covered with rustic and cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor. Materials are now being purchased.

SAN FRANCISCO—Residence, 3 story and base, Class A construction, \$150,000. Architect, Willis Polk, Hobart Bldg., S. F. Owner, D. C. Jackling, Mr. Jackling, a well known mining man has recently purchased a large lot on the northeast corner of Washington and Octavia streets on which he will build a handsome city home. Particulars of the dwelling have not been decided upon, and only the fact that Mr. Polk has been commissioned as the architect has been announced. A report is current that Architect Julia Morgan will be associated with Mr. Polk in this work. Further mention will be made as plans progress.

SAN FRANCISCO—Residences, 2, 2 story and base, frame, \$3,000 each. Architect, none. Owner, A. Harrington, 10 Judah street, S. F. These two dwellings will be erected on the west side of 12th avenue south of Cabrillo, and each has been designed to contain six rooms and bath. Interiors will be finished in pine and redwood with some hardwood floors. There will be open fire places in the living rooms. Mantels will be of tile or brick. Imitation tile wainscot will be used in the bath rooms. Automatic water heaters are specified. Exteriors will be covered with cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor.

OAKLAND, CAL.—Residences, 3, 2 story and base, frame. Cost not stated. Architect, Charles W. McCall, Central Bank Bldg., Oakland. Owner's name withheld. These dwellings have

been designed to contain from seven to eight rooms with baths and sleeping porches. Interior finish will be of pine with hardwood veneer and white enamel. Hardwood floors will be used in the living rooms, dining rooms and reception halls. There will be furnace heat and open fire places. Mantels will be of tile or brick. Bath rooms will be finished in tile. Automatic water heaters are specified. Exteriors will be covered with cement plaster on metal lath. Plans are now being prepared.

OAKLAND, CAL.—Residence, 2 story and base, frame, \$5,500. Architect, Charles W. McCall, Central Bank Bldg., Oakland. Owner's name withheld. The dwelling will be erected on Ardmore avenue in the Crocker Highlands, and has been designed to contain eight rooms, bath and sleeping porch. Interior finish will be of pine and hardwood with some hardwood floors. White enamel will be used in the bed rooms. There will be furnace heat and open fire places. Mantels will be of tile or brick. Tile wainscot will be used in the bath room and kitchen. A hot water circulating system will be installed. Exterior of the house will be covered with cement plaster on metal lath. Plans are now being prepared.

MILL VALLEY, MARIN CO., CAL.—Bungalow, 1½ story and base, frame, \$3,500. Architects, Falch & Knoll, Hearst Bldg., S. F. Owner, Mrs. Queness. The dwelling has been designed to contain six rooms, bath and sleeping porch. Interior finish will be of pine and hardwood. White enamel will be used in the bed rooms. Some oak floors are specified. There will be an open fire place with a brick mantel. Bath room will be finished in tile. An automatic water heater is specified. Exterior of the dwelling will be covered with rustic and shingles. Plans are complete and figures are now being taken by the architects.

OAKLAND, CAL.—Residence, 2 story and base, concrete and frame, \$50,000. Architect, Julia Morgan, Holbrook Bldg., S. F. Owner, James L. Lombard. The dwelling has been designed for a handsome suburban home and will be erected in the Crocker Highlands Tract. There will be in the neighborhood of twenty rooms, several baths, sleeping porches and a conservatory. A garage will be erected in the rear of the property. Interior of the dwelling will be finished in pine, hardwood and white enamel. Hardwood floors will be used in the principal rooms. There will be a central heating system, probably steam heat or hot water with an oil burning furnace. Open fire places and vacuum cleaning are also specified. Mantels will be of tile. Bath rooms will be finished in tile and equipped with high grade plumbing fixtures. A hot water circulating system is also specified. The exterior of both the residence and garage will be faced with cement plaster on metal lath. Plans are now being prepared.

OAKLAND, CAL.—Residence, 2 story and base, frame, \$10,000. Architects, Schirmer, Bugbee & Co., Dalziel Bldg., Oakland. Owner, Mr. Forest. The dwelling has been designed for a ten-room house with two baths and sleeping porch and will be erected in the Crocker Highlands Tract. Interior fin-

ish will be of pine, hardwood and white enamel. Hardwood floors will be used in the living room, dining room and reception hall. There will be furnace heat and open fire places and a vacuum cleaning system. Mantels will be of tile or brick. A hot water circulating system will also be installed. Bath rooms will be finished in tile and equipped with high grade plumbing fixtures. Exterior of the building will be covered with cement plaster on metal lath. Plans have been revised and figures are now being taken.

FRESNO, FRESNO CO., CAL.—Residence, 1 story and base, frame, \$2,000. Architect, none. Owner, E. N. Kaufeld, Fresno. The dwelling will contain five rooms and bath. Interior will be finished in pine and redwood. Some hardwood floors will be used. There will be an open fire place and tile mantel. Exterior will be covered with rustic and cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor.

BERKELEY, ALAMEDA CO., CAL.—Residence, 2 story and base, frame, \$4,000. Architect, F. R. Peake Co., 2127 University avenue, Berkeley. Owner's name withheld. The dwelling has been designed for a seven-room house with bath and sleeping porch, and will be erected on Claremont avenue near Alcatraz. Interior finish will be of pine and redwood with some hardwood veneer and white enamel in the bed rooms. Hardwood floors will be used in the living room and dining room. There will be furnace heat and an open fire place. Mantel will be of tile or brick. Bath room will be finished in tile. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are complete and segregated figures are now being taken for the work.

SAN JOSE, SANTA CLARA CO., CAL.—Residences, 1 and 2 story and base, frame. Cost as follows. Architect, none. The following Day Labor jobs are reported as about to be started in San Jose: W. M. Lewis, 14th and San Salvador, seven-room frame dwelling, \$3,000; A. De Sinet, 226 Terraine street, 1 story, six-room frame cottage, \$2,000; E. D. Wells, 17th and Empire streets, 1 story six-room frame cottage, \$2,000; G. Salaman, Duane and Market streets, 1 story five-room dwelling, \$1,600. Materials for this work are now being purchased.

HILLSBORO, SAN MATEO CO., CAL.—Residence, 1 story and base, frame, \$5,000. Architect, Ernest E. Norberg, Bank Bldg., Burlingame. Owner's name withheld. The dwelling will be erected in Hillsboro, and has been designed to contain seven rooms, bath and sleeping porch. Interior finish will be of pine and redwood with some hardwood veneer. Bed rooms will be finished in white enamel. Hardwood floors will be used in the living room, dining room and reception hall. There will be furnace heat and open fire places. Mantels will be of tile or brick. Bath room will be finished in tile. An automatic water heater will be installed. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are now being prepared.

SACRAMENTO, CAL.—Residence, 1 story and base, frame, \$2,000. Architect, none. Owner, Burton H. Bill, 3215

4th avenue, Sacramento. The dwelling will be erected in Marshall Court, and has been designed to contain five rooms and bath. Interior finish will be of pine throughout. Some oak floors will be used. There will be an open fire place with tile mantels. Plans are in the hands of the owner and the work will be done by Day Labor.

SAN LEANDRO, ALAMEDA CO., CAL.—Residence, 2 story and base, frame, \$3,500. Architects, Universal Drafting Bureau, 1844 5th avenue, Oakland. Owner, Judge Toffelmier. The dwelling has been designed for a seven-room house with bath and sleeping porch. Interior finish will be of pine and redwood with some white enamel. Hardwood floors will be used in the living room, dining room and reception hall. There will be open fire places. Mantels will be of tile or brick. Tile wainscot will be used in the bath room and kitchen. An automatic water heater will be installed. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are now being prepared and when complete the work will be done by Day Labor.

OAKLAND, CAL.—Residence, 2 story and base, frame, \$5,000. Architect, Carl Geilfuss, 46 Kearny street, S. F. Owner, Miss Olsen. The dwelling will be erected in Piedmont Heights, and has been designed to contain seven rooms and bath. Interior will be finished in pine and white enamel. Hardwood floors will be used throughout. There will be furnace heat and open fire places. Mantels will be of tile and marble. An automatic water heater will be installed. Bath room will be finished in tile. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are complete and figures are being taken.

SANTA BARBARA, SANTA BARBARA CO., CAL.—Residence, 2 story and base, brick and tile, \$30,000. Architect, A. H. Stibolt, 1243 Valley View Road, L. A. Owner, J. Brittingsam Brison, Pittsburgh, Pa. The dwelling has been designed for a large country home, and will contain eighteen rooms, several baths, a conservatory and sleeping porches. Extensive improvements will be made to the grounds, including garage and stables. Interior of the dwelling will be finished in pine, hardwood and white enamel. Hardwood floors will be used in the principal rooms. A central heating system, either steam or hot water will be installed. Bath rooms will be finished in tile. Vacuum cleaning and a hot water circulating system will be installed. Exterior of the dwelling will be covered with cement plaster. Plans are now being prepared.

OAK KNOLL, LOS ANGELES CO., CAL.—Residence, 2 story and base, hollow tile. Cost not stated. Architects, Marston & Van Pelt, Chamber of Commerce Bldg., Pasadena. Owner, W. K. Jewett. The dwelling will be erected on a large lot on the Arden Road, and will contain fourteen rooms and five baths. Interior finish will be of pine, hardwoods and white enamel. Hardwood floors will be used in the principal rooms. There will be a central heating system and open fire places. Mantels will be of tile and brick. Vacuum cleaning and a hot water circulating system will be installed. Bath rooms will be finished

in tile. Exterior of the house will be faced with cement plaster. Plans are complete and figures are being taken.

FRESNO, FRESNO CO., CAL.—Residence, 2 story and base, frame, \$6,000. Architects, Coates & Traver, Head Bldg., S. F., and Rowell Bldg., Fresno. Owner, Louis M. Mendelsohn. The dwelling will be erected on Van Ness avenue near Verde street, and has been designed for an eight-room house with bath and sleeping porch. Interior will be finished in pine and hardwood with white enamel in the bed rooms. Hardwood floors will be used in the living room, dining room and reception hall. Plans provide for furnace heat and open fire places. Mantels will be of tile or brick. Bath room will have tile floor and wainscot. An automatic water heater will be installed. Exterior of the house will be covered with cement plaster on metal lath. Plans are now being prepared.

SAN FRANCISCO — Residence, 2 story and base, frame, \$3,000. Architect, N. W. Sexton, Chronicle Bldg., S. F. Owner, James F. Brennan, Hall of Justice. The dwelling will be erected on the west side of Pluto near Masonic avenue, and has been designed for a six-room house with bath. Interior will be finished in pine and redwood. Hardwood floors will be used in the living and dining room. There will be an open fire place with tile or brick mantel. Tile wainscot will be used in the bath room. An automatic water heater will be installed. Exterior of the dwelling will be covered with rustic and cement plaster on metal lath. Plans are complete and the work will be done by Day Labor.

Contracts Awarded.

PALO ALTO, SANTA CLARA CO., CAL.—Residence, 2 story and base, frame, \$3,250. Architect, Sidney B. Newsom, Nevada Bank Bldg., E. F. Owner, Miss Elizabeth Gardner. Contractor, D. W. Ross, 415 Frederick street, S. F. Contract price, \$3,250.

SCHOOLS.

BENICIA, CONTRA COSTA CO., CAL.—School addition and alteration, 1 story and base, frame. Cost not stated. Architect, Henry C. Smith, Humboldt Bank Bldg., S. F. Owners, Benicia School District. Plans have been completed and figures are now being taken for extensive alterations and additions to the present grammar school building. Bids for this work, which includes interior partition work, mill work, plumbing, electric work and fixtures can be secured from the architect. Bids will be opened on May 31st at 8 p. m.

BERKELEY, ALAMEDA CO., CAL.—School, 2 story and base, brick and plaster, \$32,280. Architects, Coxhead & Coxhead, Hearst Bldg., S. F. Owners, City of Berkeley. Seventeen sets of figures were opened last Tuesday by the Berkeley Board of Education for the construction of the new North Berkeley School. The lowest figure was received from W. D. Henderson, Monadnock Bldg., S. F., his bid for the general construction being \$32,280. The Siebert Co. of S. F., presented the lowest figure for the heating and ventilating at \$5,597. The award of both contracts was taken under advisement. A

complete list of the bids received will be found under the heading of Oakland and Alameda County in this issue.

WOODLAND, YOLO CO., CAL.—School, 2 story and base, frame and brick. Cost as follows. Architect, W. H. Weeks, 75 Post street, S. F. Owners, City of Woodland. Curson & Keen of Woodland have been awarded the contract for the construction of the primary school on their bid of \$23,850. Harvey A. Klyce of San Francisco and Robert Trost of San Francisco submitted the lowest figures for the general construction of the grammar school building. It is understood that these bids run in the neighborhood of \$70,000. A contract for the work has not been officially awarded.

STOCKTON, SAN JOAQUIN CO., CAL.—Completion of gravity burning plant for schools. Cost not stated. Architect, none. Owners, City of Stockton. Plans are complete and figures are now being taken for furnishing the labor and materials to complete certain distillate 23 or 24 gravity oil burning plants for three of the new Stockton schools. Complete information can be secured from the superintendent of schools in the High School building at Stockton. Bids will be opened on June 2nd at 8 p. m.

CULTER, TULARE CO., CAL.—School, 1 story and base, brick, \$8,000. Architects, Bowen & Davis, McKenzie Bldg., Fresno. Owners, Culter School District. The building will contain class rooms and an assembly hall. Interior will be finished in pine with maple floors. A central heating system and modern school plumbing will be used. Exterior of the building will be faced with pressed brick. Plans are now being prepared.

LOS ANGELES, CAL.—School, 2 story and base, brick. Cost not stated. Architect, School Department, Security Bldg., L. A. Owners, City of Los Angeles. The building will be erected on Clifford avenue and will cover an area of 102 by 91 feet. There will be nine class rooms and an auditorium. Interior will be finished in pine with maple floors in the class rooms. Modern school plumbing, a vacuum cleaning system and program clocks will be installed. A steam heating system is specified. Exterior of the building will be faced with pressed brick. Plans are complete and figures are being taken. Bids will be opened on May 29th.

LOS ANGELES, CAL.—School, 2 story and base, brick and concrete, \$125,000. Architects, Hunt & Burns, Laughlin Bldg., L. A. Owners, City of Los Angeles. The building will be erected at the corner of First and Vermont avenues, covering an area of 224 by 144, with a separate gymnasium covering 55 by 80 feet. There will be 30 class rooms devoted to the purposes of the intermediate grades, study hall, library, principal's office, hospital and rest rooms. Interior will be finished in pine with maple floors. There will be steam heat, vacuum cleaning and program clocks. Concrete corridors and stairways are specified. Exterior of the building will be faced with ruffled brick and artificial stone trimmings. Plans are complete and out for figures. Bids will be opened on June 10th. Plans and specifications can be secured from the offices of the Secretary of the Board of Education in the Security Bldg.

SUISUN, SOLANO CO., CAL.—School, 2 story and base, brick and concrete, \$40,000. Architect, Henry C. Smith, Humboldt Bank Bldg., S. F. Owners, Crystal Springs School District. The building has been designed to contain eight class rooms and a large auditorium. Interior will be finished in pine and will have maple floors in the class rooms. Steam heat, an oil burning system, modern school plumbing and vacuum cleaning will be installed. Exterior of the building will be faced with pressed brick and cement plaster. Plans are now being prepared.

Contracts Awarded.

OAKLAND, CAL.—School Field House 1 story, frame, \$747. Architect, none. Owners, City of Oakland. Contractors, Koski Bros., Oakland. Contract price, \$747.

OAKLAND, CAL.—School stairways and platforms, iron and steel. Cost not stated. Architect, none. Owners, City of Oakland. Bids will be opened on June 1st at 4:40 p. m. by the purchasing agent of the Board of Education with offices on the 14th floor of the City Hall Bldg., for the construction of iron stairways and iron platforms in the Intermediate School. Plans and specifications can be secured from the purchasing agent.

CHICO, BUTTE CO., CAL.—School, 1 story, frame, \$2,875. Architect, State Architect, George B. McDougall, Sacramento. Owners, State of California. Contractor, C. E. Johnson, Chico. Contract price, \$2,873.

REDONDO, LOS ANGELES CO., CAL.—School, 3 story and base, brick, \$102,760. Architects, Allison & Allison, Hibernian Bldg., L. A. Owners, Redondo Union High School District. Contractors, Los Angeles Planing Mill Co., 1812 Industrial street, L. A., general construction, \$102,760. E. O. Ney Co., Pasadena, heating and ventilating, \$10,140. J. T. Newell, 136 West 17th street, L. A., plumbing, \$5,560.

SEWERS, STREET WORK & WATER SYSTEMS.

SAN JOSE, SANTA CLARA CO., CAL.—Sewer work. Cost not stated. Engineer, City Engineer, San Jose. Owners, City of San Jose. The City Engineer has been instructed by the City Council to put in a 16-inch sewer on San Antonio street, between 7th and 8th streets.

SANTA ROSA, SONOMA CO., CAL.—Street work. Cost not stated. Engineer, City Engineer, Santa Rosa. Owners, City of Santa Rosa. Considerable street work was ordered at a recent meeting of the City Council of Santa Rosa. Action will be taken by the Council at their next meeting to provide for the installation of curbs and gutters on Benton, Davis, Ellis, Chinn, Cherry, Fourth, Ninth, Second, Tupper and Tenth streets. Similar action was taken in regard to sidewalks on Ripley, Ninth and Tenth streets. A resolution of intention to curb and gutter College Avenue, Carrilla and Lincoln streets was ordered prepared. Plans and specifications for the grading and surfacing of Railroad Avenue, from Third street to the bank of the Santa Rosa Creek were adopted. Bids on this work will be called for at the next meeting.

MARTINEZ, CONTRA COSTA CO., CAL.—Street work and concrete flue

Cost not stated. Engineer, City Engineer E. C. Brown, Martinez. Owners, City of Martinez. Plans and specifications prepared by City Engineer E. C. Brown for the straightening out of Alhambra Creek where it crosses Ferry street and the construction of a concrete arch in place of the present bridge, are now in the hands of the City Trustees. The construction of a concrete flue, 120 feet long and costing \$9,000, will also be included in the work. Final action will be taken at the next meeting of the Board.

RICHMOND, CONTRA COSTA CO., CAL.—Street paving. Cost not stated. Engineer, City Engineer, Richmond. Owners, City of Richmond. Plans and specifications for the improvement of Tenth street, from Barrett to Pennsylvania, have been approved by the City Council, and bids will soon be called for. The improvement will consist of a bituminous wearing surface.

FRESNO, FRESNO CO., CAL.—Street paving, etc. Cost not stated. Engineer, City Engineer, Fresno. Owners, City of Fresno. The City Engineer has been instructed by the City Council to prepare plans and specifications for the paving of P street, from Stanislaus to San Benito, substituting crushed rock and the "Topeka top" for the present asphaltum top. At the same meeting the Council went on record as being in favor of asphalt paving on O street, instead of macadam, and the matter of ordering plans for the work will come up before the next meeting.

BAKERSFIELD, KERN CO., CAL.—Furnishing cement. Cost as follows. Engineer, County Surveyor, Bakersfield. Owners, Kern County. Bids opened by the County Supervisors for furnishing the County of Kern with 90,000 barrels of cement are as follows: The County of Los Angeles offered the cement at \$1.75 per barrel f. o. b. Monolith with 10 cents allowed for each sack returned. The Union Lime Co. bid \$1.87 per barrel f. o. b. Oro Grande, Cal., with 10 cents allowed for each sack returned. The Santa Cruz Portland Cement Co. bid from \$2.77 to \$2.83 per barrel f. o. b. Kern County points. A contract will be awarded by the Board at their next meeting.

BAKERSFIELD, KERN CO., CAL.—Street paving. Cost not stated. Engineer, City Engineer, Bakersfield. Owners, City of Bakersfield. Plans have been completed for paving several streets with a concrete base and sheet asphalt wearing top. Also for the construction of concrete curbs and cement sidewalks. Bids are now being taken for the work and will be opened on June 2nd. Plans and specifications can be secured from the City Clerk.

MARYSVILLE, YUBA CO., CAL.—Sewer work. Cost not stated. Engineer, City Engineer, Marysville. Owners, City of Marysville. At the last meeting of the City Council the City Engineer was instructed to prepare plans and specifications for the extension of the sewerage system in this city. The specifications for the work will be presented to the Council in about two weeks. W. H. Meek is the City Engineer at Marysville.

RIVERBANK, STANISLAUS CO., CAL.—Street lighting system. Cost not stated. Engineer, Electric & Machine

Equipment Co., Riverbank. Owners, Town of Riverbank. Bids will be received up to June 15th for furnishing and installing all materials for a street lighting system in accordance with plans and specifications. Plans can be secured from the office of the Town Clerk at Riverbank.

REDWOOD CITY, SAN MATEO CO., CAL.—Road construction. Cost not stated. Engineer, County Surveyor Neuman, Redwood City. Owners, San Mateo County. The County Engineer has been instructed to prepare plans and specifications for road work at Holy Cross. The plans will be presented at the next meeting of the Supervisors, when they will be approved and bids ordered called.

Contracts Awarded.

SAN JOSE, SANTA CLARA CO., CAL.—Street paving. Cost as follows. Engineer, City Engineer, San Jose. Owners, City of San Jose. Contractors, Raich Improvement Co., S. F., \$11,382.94; Clark & Henery, Stockton, \$10,445.81; Raich Improvement Co., S. F., \$11,381.37; F. R. Ritchie & Son, San Jose, \$7,286.18; and Raich Improvement Co., S. F., \$12,336.45.

SACRAMENTO, CAL.—Trunk line sewer, \$104,494.10. Engineer, City Engineer, Sacramento. Owners, City of Sacramento. Contractors, James Kennedy Construction Co., Los Angeles. Contract price, \$104,494.10. This contract covers the construction of Unit No. 5 of the Trunk Line sewer.

STOCKTON, SAN JOAQUIN CO., CAL.—Street paving. Cost not stated. Engineer, City Engineer, Stockton. Owners, City of Stockton. The contract recently awarded to A. Teichert & Son of Sacramento for doing street work has been re-awarded to Tumely & Bishop of Stockton. The street work to be done is in the northern part of the city.

BAKERSFIELD, KERN CO., CAL.—Pipe line construction. Cost not stated. Engineer's name not given. Owners, California Natural Gas Co. Contractors, Virginia Pipe Line Contracting Co., Bakersfield. Contract price not stated. The contract covers the construction of a pipe line from the Midway District to the Standard Oil Co.'s works, a distance of 25 miles.

STORES AND OFFICES.

SAN FRANCISCO—Stores, 1 story and base, brick and steel, \$10,000. Architect's name not given. Owners, Odd Fellows Building Association, 7th and Market streets, S. F. The Odd Fellows have decided to improve the property on the south side of Market street, adjoining their building on the west by constructing a one-story store building. Plans show a building designed to contain modern stores. Interior finish will be of pine throughout. There will be plate glass display windows in patent store fronts. Modern plumbing and electric work will be installed. Exterior of the building will be faced with pressed brick trimmed with terra cotta. Plans have been prepared and are in the hands of the secretary of the Odd Fellows Hall Association. Figures will be called for shortly.

SEALED PROPOSALS

NOTICE TO CONTRACTORS.

OFFICE OF THE SUPERVISING SUPERINTENDENT OF CONSTRUCTION, Room 403, U. S. Post Office Bldg., San Francisco, California, May 20, 1915.—SEALED PROPOSALS will be received at this office until **12 o'clock M. on the 22nd Day of June, 1915**, and then publicly opened for **New Boiler, an Extension of Boiler House**, at the U. S. Marine Hospital Station, San Francisco, California, in accordance with the drawing and specification, copies of which may be had upon application at this office, or the office of the Custodian of the Station.

J. W. ROBERTS,
Superintendent. (*)

PROPOSAL FOR MECHANICAL EQUIPMENT.

PROPOSAL FOR MECHANICAL EQUIPMENT. Office of Constructing Quartermaster, Fort Mason, Cal.—SEALED PROPOSALS will be received here until **11:00 A. M., June 15, 1915**, and then opened for furnishing wood and metal working machinery. Further information on application. (*)

PROPOSALS.

OFFICE OF THE BOARD OF PUBLIC Works of the City and County of San Francisco.

Sealed proposals will be received at this office between the hours of **2 o'clock p. m. and 3 o'clock p. m. on Wednesday, the 16th day of June, 1915**, for doing the following work, including the furnishing of the necessary labor and materials therefor, to wit:

Vault Work of the City Hall.

Progressive payments will be made. Said work must be done in accordance with the specifications on file in the office of the Board of Public Works. The amount of bond for faithful performance of contract has been fixed at \$5,500.00.

All proposals offered must be accompanied by a check, certified by a responsible bank, payable to the order of the Clerk of the Supervisors, for an amount not less than ten per cent of the aggregate of the proposal.

Printed proposals forms will be furnished gratuitously upon application at the office of the Architect, and all proposals must be made upon such forms.

The Board of Public Works reserves the right to reject any and all bids.

By order of the Board of Public Works.
F. J. CHURCHILL,
Secretary.

PROPOSALS.

OFFICE OF THE BOARD OF PUBLIC Works of the City and County of San Francisco.

Sealed proposals will be received at this office between the hours of **2 o'clock p. m. and 3 o'clock p. m. on Wednesday, the 9th day of June, 1915**, for doing the following work, including the furnishing of the necessary labor and materials therefor, to wit:

Painting Work of the City Hall.

Progressive payments will be made. Said work must be done in accordance with the specifications on file in the office of the Board of Public Works. The amount of bond for faithful performance of contract has been fixed at \$5,000.00.

All proposals offered must be accompanied by a check, certified by a responsible bank, payable to the order of the Clerk of the Supervisors, for an amount not less than ten per cent of the aggregate of the proposal.

Printed proposals forms will be furnished gratuitously upon application at the office of the Architect, and all proposals must be made upon such forms.

The Board of Public Works reserves the right to reject any and all bids.

By order of the Board of Public Works.
F. J. CHURCHILL,
Secretary.

PROPOSALS FOR CANAL SUPPLIES.

CANAL CIRCULAR No. 928—Reinforcing Bars, Staybolt Iron, Machine Bolts, Rivets, Stovepipe, Stovepipe Elbows, Brass Tubing, Brass Pipe Fittings, Grommets, Hammers, Files, Chisels, Taps, Reamers, Stocks and Dies, Bits, Drills, Braces, Adzes, Axes Etc.—Sealed proposals will be received at the office of the general purchasing officer, the Panama Canal, Washington, D. C., until **10:30 a. m. June 5, 1915**, at which time they will be opened in public for furnishing the above mentioned articles. Blanks and general information relating to this circular (No. 928) may be obtained from this office or the office of the assistant purchasing agent, Fort Mason, Cal.; also from the U. S. engineer offices in the following cities: Seattle, Wash.; Los Angeles, Cal. F. C. BOGGS, Major, Corps Engineers, U. S. A., general purchasing officer.

PROPOSALS FOR REFRIGERATING PLANT.

REFRIGERATING AND WIRING PLANT—Fort Huachuca, Ariz., May 8, 1915.—Sealed proposals, in triplicate, will be received here until **1 p. m. June 9, 1915**, and then opened, for furnishing all materials and labor required in constructing, complete, an electric light and refrigerating plant and installing interior and exterior wiring system. \$10 deposit required for plans and specifications. For further information address the constructing quartermaster.

PROPOSALS FOR BUILDING.

BUILDING—Fort Bayard, N. Mex.—Sealed proposals, in triplicate, for constructing wards for ambulant patients, will be received until **6 p. m. June 4, 1915**. Information furnished on application. Quartermaster.

PROPOSALS FOR ELECTRIC WORK.

WIRING—Treasury Department, Office of the Supervising Architect, Washington, D. C.—Sealed proposals will be opened in this office at **3 p. m. June 10, 1915**, for a conduit and wiring system in the United States mint at San Francisco, Cal., in accordance with drawings and specifications, copies of which may be had at this office or at the office of the custodian, San Francisco, Cal., in the discretion of the supervising architect. JAMES A. WETMORE, acting supervising architect.

PROPOSALS.

OFFICE OF THE BOARD OF PUBLIC Works of the City and County of San Francisco.

Sealed proposals will be received at this office between the hours of **2 o'clock p. m. and 3 o'clock p. m. on Wednesday, the 2nd day of June, 1915**, for doing the following work, including the furnishing of the necessary labor and materials therefor, to wit:

General Construction and Completion of the Juvenile Court and Detention Home.

Progressive payments will be made. Said work must be done in accordance with the specifications on file in the office of the Board of Public Works. The amount of bond for faithful performance of contract has been fixed at \$22,500.00.

All proposals offered must be accompanied by a check, certified by a responsible bank, payable to the order of the Clerk of the Supervisors, for an amount not less than ten per cent of the aggregate of the proposal.

Printed proposals forms will be furnished gratuitously upon application at the office of the Architect, and all proposals must be made upon such forms.

The Board of Public Works reserves the right to reject any and all bids.

By order of the Board of Public Works.
F. J. CHURCHILL,
Secretary.

PROPOSALS.

OFFICE OF THE BOARD OF PUBLIC Works of the City and County of San Francisco.

Sealed proposals will be received at this office between the hours of **2 o'clock p. m. and 3 o'clock p. m. on Wednesday, the 2nd day of June, 1915**,

for doing the following work, including the furnishing of the necessary labor and materials therefor, to wit:

Structural Steel, Cast Iron and Fire Escapes of the Juvenile Court and Detention Home.

Progressive payments will be made.

Said work must be done in accordance with the specifications on file in the office of the Board of Public Works.

The amount of bond for faithful performance of contract has been fixed at \$6,000.00.

All proposals offered must be accompanied by a check, certified by a responsible bank, payable to the order of the Clerk of the Supervisors, for an amount not less than ten per cent of the aggregate of the proposal.

Printed proposals forms will be furnished gratuitously upon application at the office of the Architect, and all proposals must be made upon such forms.

The Board of Public Works reserves the right to reject any and all bids.

By order of the Board of Public Works.
F. J. CHURCHILL,
Secretary.

PROPOSALS.

OFFICE OF THE BOARD OF PUBLIC Works of the City and County of San Francisco.

Sealed proposals will be received at this office between the hours of **2 o'clock p. m. and 3 o'clock p. m. on Wednesday, the 2nd day of June, 1915**, for doing the following work, including the furnishing of the necessary labor and materials therefor, to wit:

Excavation and Foundation Concrete at the Juvenile Court and Detention Home.

Progressive payments will be made.

Said work must be done in accordance with the specifications on file in the office of the Board of Public Works.

The amount of bond for faithful performance of contract has been fixed at \$1,250.00.

All proposals offered must be accompanied by a check, certified by a responsible bank, payable to the order of the Clerk of the Supervisors, for an amount not less than ten per cent of the aggregate of the proposal.

Printed proposals forms will be furnished gratuitously upon application at the office of the Architect, and all proposals must be made upon such forms.

The Board of Public Works reserves the right to reject any and all bids.

By order of the Board of Public Works.
F. J. CHURCHILL,
Secretary.

PROPOSALS.

OFFICE OF THE BOARD OF PUBLIC Works of the City and County of San Francisco.

Sealed proposals will be received at this office between the hours of **2 o'clock p. m. and 3 o'clock p. m. on Wednesday, the 2nd day of June, 1915**, for doing the following work, including the furnishing of the necessary labor and materials therefor, to wit:

The General Construction of the Nurses' Home Building at the Isolation Hospital.

Progressive payments will be made.

Said work must be done in accordance with the specifications on file in the office of the Board of Public Works.

The amount of bond for faithful performance of contract has been fixed at \$2,000.00.

All proposals offered must be accompanied by a check, certified by a responsible bank, payable to the order of the Clerk of the Supervisors, for an amount not less than ten per cent of the aggregate of the proposal.

Printed proposals forms will be furnished gratuitously upon application at the office of the Architect, and all proposals must be made upon such forms.

The Board of Public Works reserves the right to reject any and all bids.

By order of the Board of Public Works.
F. J. CHURCHILL,
Secretary.

PROPOSALS.

OFFICE OF THE BOARD OF PUBLIC Works of the City and County of San Francisco.

Sealed proposals will be received at this office between the hours of **2**

o'clock p. m. and 3 o'clock p. m. on Wednesday, the 2nd day of June, 1915, for doing the following work, including the furnishing of the necessary labor and materials therefor, to wit:

The construction of sewers and appurtenances in Fifth street between Howard and Brannan streets.

Progressive payments will be made.

Said work must be done in accordance with the specifications on file in the office of the Board of Public Works.

The amount of bond for faithful performance of contract has been fixed at \$20,000.00.

All proposals offered must be accompanied by a check, certified by a responsible bank, payable to the order of the Clerk of the Supervisors, for an amount not less than ten per cent of the aggregate of the proposal.

Printed proposals forms will be furnished gratuitously upon application at the office of the City Engineer, and all proposals must be made upon such forms.

The Board of Public Works reserves the right to reject any and all bids.

By order of the Board of Public Works. F. J. CHURCHILL, Secretary.

PROPOSALS FOR CANAL SUPPLIES.

PANAMA CIRCULAR 925—Proposals for Cement Roofing Tile.—Sealed proposals will be received at the office of the general purchasing officer, the Panama Canal, Washington, D. C., until 10:30 a. m. May 28, 1915, at which time they will be opened in public for furnishing or furnishing and erecting the above mentioned material. Blanks and general information relating to this circular (No. 925) may be obtained from this office or the office of the assistant purchasing agent, 1086 North Point street, San Francisco, Cal.; also from the U. S. Engineer offices in the following cities: Seattle, Wash.; Los Angeles, Cal. F. C. BOGGS, Major, Corps Engineers, U. S. A., general purchasing officer.

PROPOSALS FOR CANAL SUPPLIES.

PANAMA CIRCULAR 924—Proposals for Ice and Refrigerating Plant, Motor-Driven Lathes, Drill Presses, Shapers and Sensitive Drills, Galvanized Ridge Roll, Wire Lath, Rivets, Bolts, Nuts, Washers, Nails, Sheet Brass, Valves, Compression Grease Cups, Oil Cups, Rubber Bands, Rulers, Manila Tags, Zinc Sulphate, Lumber and Switch Ties.—Sealed proposals will be received at the office of the general purchasing officer, the Panama Canal, Washington, D. C., until 10:30 a. m. May 27, 1915, at which time they will be opened in public for furnishing the above mentioned articles. Blanks and general information relating to this circular (No. 924) may be obtained from this office or the office of the assistant purchasing agent, 1086 North Point street, San Francisco, Cal.; also from the U. S. Engineer offices in the following cities: Seattle, Wash.; Los Angeles, Cal. F. C. BOGGS, Major, Corps Engineers, U. S. A., general purchasing officer.

STATE OF CALIFORNIA.

DEPARTMENT OF ENGINEERING.

CALIFORNIA HIGHWAY COMMISSION

NOTICE TO CONTRACTORS.

SEALED PROPOSALS will be received at the office of the California Highway Commission, 515 Forum Building, Sacramento, Cal., until 2 o'clock P. M. on June 1, 1915, at which time they will be publicly opened and read for construction in accordance with the specifications therefor, to which special reference is made, portions of State highway as follows:

Humboldt County from Jordan Creek to Rio Dell (I-Hum-1-B), about 6.9 miles in length, to be graded.

Colusa County from Colusa Junction to the Northern Boundary (III-Col-7-C), about 10.6 miles in length, to be paved with Portland cement concrete.

Monterey County from Chualar to Salinas (V-Mon-2-B), about 10.3 miles

in length, 4.7 miles of which is to be paved with Portland cement concrete. Tulare County from Westerly Boundary to the Southern Pacific Railroad (VI-Tul-10-A), about 3.9 miles in length, to be paved with Portland cement concrete.

Plans may be seen, and forms of proposals, bonds, contract, and specifications may be obtained, at the said office, and they may be seen at the office of the Division Engineers at Los Angeles and San Francisco, and at the office of the Division Engineer of the division in which the work is situated. The Division Engineers' offices are located at Willits, Dunsmuir, Sacramento, San Francisco, San Luis Obispo, Fresno, and Los Angeles.

No bid will be received unless it is made on a blank form furnished by the Commission. The special attention of prospective bidders is called to the "Notice to Contractors" annexed to the blank form of proposal, for full directions as to bidding, quantities of work to be done, etc.

The Department of Engineering reserves the right to reject any or all bids or to accept the bid deemed for the best interests of the State.

CHARLES D. BLANEY,
NEWELL D. DARLINGTON,
CHARLES F. STERN,
California Highway Commission.
AUSTIN B. FLETCHER,
Highway Engineer.
WILSON R. ELLIS,
Secretary. (*)

Dated: May 4, 1915.

PROPOSALS FOR LIGHT FIXTURES.

LIGHT FIXTURES.—Sealed proposals, endorsed "Proposals for Electric Light Fixtures," will be received at the bureau of yards and docks, Navy Department, Washington, D. C., until 11 o'clock a. m. June 5, 1915, and then and there publicly opened, for electric light fixtures for the naval hospital building, Naval Station, Pearl Harbor, Hawaii. Plans and specifications may be obtained on application to the bureau or to the commandant of the Naval Station Honolulu, Hawaii. H. R. STANFORD chief of bureau.

BUILDING SLOWLY.

Oakland is doing good work in seeking to secure uniformity in city building operations by concurrence among architects and contractors. In City Beautiful work it is advisable to make the progress as far as possible voluntary. It does not do to infringe upon the "personal liberty" feeling of the people any further than is absolutely necessary. So the co-operative method of working with architects and contractors, will secure results where more arbitrary means would defeat their own purposes.

With the foundation of public education laid, further steps toward the City Beautiful idea will be effected by other considerations. In particular, the uniformity of building line which is found already advisable in Oakland, will be supported by building ordinances. The personal liberty of a man to build a sky scraper where neither business conditions nor real estate prices call for them, would represent the criticism he would receive from a City Beautiful advocate. But the fire and earthquake danger of erecting buildings many times higher than the width of the adjacent streets will be apparent to such a large and influential portion of the population, that the personal liberty argument would be forgotten. The advocates of the City Beautiful must not be impatient with slow progress. Our ancestors did not learn the beauty or even decency of daily face washing in one day's instruction. Neither can we expect to convince ourselves in one

day that artistically built structures are a better investment of money than are rough finished edifices of no value except the floor space that they afford.

Certainly City Beautiful plans should be given out and campaigned for long enough to give fair-minded property owners a chance to conform to them without unusual financial loss. Some city uglinesses are the result of carelessness or a lack of education; some of inability to spend enough money to come up to the desired standard of beauty and yet obtain a reasonable profit. Still more are the result of competition for advantage. For instance, some portions of buildings are left ugly not because the owner likes them that way, but because he is building in competition with his neighbors, and feels that he cannot afford to build to their advantage. Here is where public regulation will put all owners on an equal footing. For instance, if buildings are to be all of the same height, there will be no instance of an ugly skyscraper shot up into the air, with two or three sides unfinished to be built against possibly not for a generation.

Some public movements, like a Rains Day festival, must be done well and in a hurry. Others, like City Beautiful planning, must be done well and slowly. But there should be no backward step in either.—Fresno Republican.

The opening of the present season should mean a good deal of development for Alaska. The first spike has been driven in the Government railroad there and the open season should see a considerable amount of work in progress. Reports state that the first spike was driven by Martha White, the first white child born in Alaska. Whether it means the person is named White or is a white person is a question. For in all probability the first white person born there was a Russian, a hundred or more years ago.

The great coal fields of Alaska present wonderful possibilities. With a government railroad giving equal opportunities to all shippers there should be a great many industries grow up in that northern country. It is rich in mineral wealth. Owing to its inaccessibility and its forbidding climate only the most precious ores have been mined, and that is placer gold. But with the opening of the coal fields, smelters should be established and the more refractory ores reduced.

It is hard to tell where this war is going to end or whether this country will be able to keep out of it. In any event Alaska is a country which needs development and it contains stores of the most precious minerals that the world uses.

The Peking (China) Waterworks, of which Mr. Chow Hsueh-hsi is the president of the board of directors, has declared no dividend owing to the meager profit earned last year. A Peking journal states that the board of directors is now planning to provide greater facilities for the water consumers, and intends generally to improve the management.

ADVANCE NEWS

Classified according to Location

SAN FRANCISCO.

FINE ARTS BUILDING ADDITION—2 story. Class A construction. Cost not stated. San Francisco. Architect, Bernard R. Maybeck, Lick Bldg., S. F. Owners, Panama-Pacific International Exposition Co. An addition to the Fine Arts Building on the Exposition Grounds has now been determined upon. The addition will be designed along lines similar to the present Fine Arts Building, and will be erected in the rear of that structure, covering an area of approximately one acre. The addition has been made necessary by the unexpected number of European exhibits of fine arts which arrived on the U. S. steamer Jason. Bids will be called for on this work as soon as plans can be completed. Further official announcements will be made in the columns of this issue.

APARTMENT HOUSE—4 story and base, reinforced concrete, \$30,000. San Francisco. Architect, Charles J. Rousseau, 46 Kearny street, S. F. Owner, John Kincannon. The building will be erected on the south side of Post street east of Van Ness avenue, and will have a frontage of 27½ feet by 126 feet. The building has been designed to contain twenty apartments arranged in suites of two and three rooms. All apartments will have wall beds and private bath rooms. Interior finish will be of pine with some blue gum. Hardwood floors will be used in the principal rooms. Plans provide for steam heat, an automatic elevator, a hot water circulating system and vacuum cleaning. Bath rooms will be finished in tile. Marble and tile wainscot will be used in the entrance lobby. Exterior of the building will be faced with pressed brick. Plans are complete and figures are now being taken by the architect.

CITY HALL PAINTING—Cost not stated. San Francisco. Architects, Bakewell & Brown, 251 Kearny street, S. F. Owners, City and County of San Francisco. Plans have been completed and figures are now being called for for the painting and decorating of the new City Hall. Bids will be opened by the Board of Public Works on June 9th. Plans and specifications can be secured from the City Department of Architecture, Temporary City Hall Building.

CITY HALL VAULT WORK—Cost not stated. San Francisco. Architects, Bakewell & Brown, 251 Kearny street, S. F. Owners, City and County of San Francisco. Plans and specifications for the special vault work which is to be installed in the new City Hall have been completed and approved. Bids are now being taken by the Board of Public Works and will be opened on June 16th. Plans and specifications can be secured from the Department of Architecture in the Temporary City Hall Building.

DETENTION HOME—9 story and base. Class A construction. Cost not stated. San Francisco. Architect, Louis C. Mullgardt, Chronicle Bldg., S. F. Owners, City and County of San Francisco. Plans and specifications for the new detention home which is to be erected on Otis street between McCoppin and Duboce avenue have been completed and approved by the Board of public Works. Bids for the first portion of this work are now being called for. This work includes the excavating, foundation and structural steel. Bids will be opened on June 2nd. Plans and specifications can be secured from the City Department of Architecture, Temporary City Hall. Further information can be secured from the Board of Public Works.

REFRIGERATING ROOM AND DISINFECTOR, CITY JAIL—Cost as follows. San Francisco. Architect, City department of Architecture, Temporary City Hall Bldg., S. F. Owners, City and County of San Francisco. Bids were opened at last Wednesday afternoon meeting of the Board of Public Works for constructing a refrigerating room in the City and County Jail. Also for the installation of a disinfectant. Wittman-Lyman Co. submitted the lowest bid for the refrigerating room at \$2,344, while the Burnham Plumbing Co. were low on the disinfectant at \$1,397. A complete list of the bids will be found under the heading of San Francisco in this issue.

FLATS—2 story and base, frame, \$8,500. San Francisco. Architects, Fabre & Bearwald, Merchants' National Bank Bldg., S. F. Owner's name withheld. The building will be erected at the corner of 19th and Shotwell streets, and has been designed to contain four modern flats of three rooms each. Interior finish will be of pine and redwood. Hardwood floors will be used. There will automatic water heaters. Bath rooms will be finished in tile. Exterior of the building will be covered with shiplap. Plans are complete and figures are now being taken.

BOILERS AND BOILER HOUSE EXTENSION—Frame and concrete construction. Cost not stated. San Francisco. Architect, William A. Newsom, Post Office Bldg., S. F. Owners, United States Government. Plans have been completed and are now in the hands of the supervising superintendent of construction, room 403, Post Office Bldg., for the installation of a new boiler and the construction of an addition to the boiler house at the United States Marine Hospital in this city. Bids for this work will be opened on June 22nd. Plans and specifications can be secured from room 403, Post Office Bldg. An official proposal appears in another column of this issue.

RESIDENCE—3 story and base. Class A construction, \$150,000. San Francisco. Architect, Willis Polk, Hobart Bldg., S. F. Owner, D. C. Jackling. Mr. Jackling, a well known

mining man, has recently purchased a large lot on the northeast corner of Washington and Octavia streets on which he will build a handsome city home. Particulars of the dwelling have not been decided upon, and only the fact that Mr. Polk has been commissioned as the architect has been announced. A report is current that Architect Julia Morgan will be associated with Mr. Polk in this work. Further mention will be made as plans progress.

RESIDENCES—2, 2 story and base, frame, \$3,000 each. San Francisco. Architect, none. Owner, A. Harrington, 10 Judah street, S. F. These two dwellings will be erected on the west side of 12th avenue, south of Cabrillo, and each has been designed to contain six rooms and bath. Interiors will be finished in pine and redwood with some hardwood floors. There will be open fire places in the living rooms. Mantels will be of tile or brick. Imitation tile wainscot will be used in the bath rooms. Automatic water heaters are specified. Exteriors will be covered with cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor.

NURSES' HOME—2 story and base, concrete and frame. Cost not stated. San Francisco. Architect, City Department of Architecture, Temporary City Hall Bldg., S. F. Owners, City and County of San Francisco. Plans and specifications have been completed for the two-story nurses' home which is to be erected on the Isolation Hospital site in San Francisco. The building will contain a number of rooms, baths and wardrooms. Interior finish will be of pine. There will be a central heating system. Exterior will be covered with cement plaster. Bids will be opened on June 2nd. Plans and specifications can be secured from the Board of Works, Temporary City Hall Bldg., S. F.

RESIDENCES—2, 2 story and base, frame, \$2,500 each. San Francisco. Architect, none. Owner, F. Nelson, 30 Presidio Terrace, S. F. These dwellings will be erected on the west line of 28th avenue, south of Lincoln Way, and each has been designed to contain five rooms and bath. Interior finish will be of pine and redwood with some elm panels. Hardwood floors will be used in the living rooms and dining rooms. There will be open fire places and tile or brick mantels. Tile wainscot will be used in the bath rooms. Plans provide for automatic water heaters. Exteriors will be covered with rustic and cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor. Materials are now being purchased.

APARTMENT HOUSE—4 story and base. Class C construction, \$40,000. San Francisco. Architect, Joseph Cahen, 45 Kearny street, S. F. Owners,

J. Rosenberg and Joseph Cohen. The building will be erected on the north side of Bush street, 77-6 west of Powell, and will have a frontage of 60 feet. The lower floor has been designed to contain a number of stores besides the entrance and lobby. Upper floors will be arranged for a number of two and three room suites, all of which will have private baths and wall beds. Interior finish will be of pine with some elm panels. Hardwood floors will be used in the living and dining rooms. Bath rooms will be finished in tile. Plans provide for furnace heat, an automatic elevator, hot water circulating system and vacuum cleaning. Marble and tile wainscot will be used in the entrance vestibule. Exterior of the building will be faced with pressed brick trimmed with terra cotta. Plans are complete and figures are now being taken.

HOSPITAL EXCAVATING, STEEL AND FOUNDATION WORK—Cost not stated. San Francisco. Architect, Lewis P. Hobart, Chronicle Bldg., S. F. Owners, University of California. The Clinton Fireproofing Co., Mutual Bank Bldg., S. F., have the contract for the foundation work at \$4,250 and for the fireproofing at \$63,625. The contract for the erection of the structural steel has been awarded to the Pioneer Construction Co., and a contract for the excavating has been awarded to the Foster-Vogt Co. Contract prices for the last named contracts are not given.

STORES—1 story and base, brick and steel, \$10,000. San Francisco. Architect's name not given. Owners, Odd Fellows Building Association, 7th and Market streets, S. F. The Odd Fellows have decided to improve the property on the south side of Market street adjoining their building on the west by constructing a one-story building. Plans show a building designed to contain 4 modern stores. Interior finish will be of pine throughout. There will be plate glass windows in patent store fronts. Modern plumbing an electric work will be installed. Exterior of the building will be faced with pressed brick trimmed with terra cotta. Plans have been prepared and are in the hands of the secretary of the Odd Fellows Hall Association. Figures will be called for shortly.

APARTMENT HOUSE ALTERATION—3 story and base, frame. Cost not stated. San Francisco. Architect, Carl Geilfuss, 46 Kearny street, S. F. Owner, Carl Geilfuss. The present residential flat building located on Fulton street near Steiner will undergo extensive alterations. There will be six modern apartments of four and five rooms. Interior will be finished in pine and white enamel. Hardwood floors will be used in all living and dining rooms. Plans show a steam heating system and hot water supply. Bath rooms will be finished in tile. No exterior work is included. Plans are complete and the owner will let segregated contracts.

FLATS—2 story and base, frame, \$6,000. San Francisco. Architect, none. Owners, Conservative Building and Investment Co., Phelan Bldg., S. F. The building will be erected on the north side of Clement street west of 14th avenue, and has been designed to contain two flats of six rooms each. Basement will be arranged for a private

garage. Interiors will be finished in pine with some elm panels and white enamel. Hardwood floors will be used in the living and dining rooms and reception halls. There will be open fire places and tile or brick mantels. Tile wainscot will be used in the bath rooms. Automatic water heaters will be installed. Exterior of the building will be covered with cement plaster on metal lath. Plans are complete and in the hands of the owners who will do the work by Day Labor. Materials are now being purchased.

STORE HOUSE AND AUTO GARAGE—2, 1 story, reinforced concrete. Cost not stated. San Francisco. Architect, Constructing Quartermaster's Office, Fort Mason. Owners, United States Government. It is stated that Harvey A. Klyce is low on the store house for combustibles, and that MacDonald & Kahn are low on the auto garage to be erected at the Letterman General Hospital. No awards have been made. Bids for this work were opened last week.

APARTMENT HOUSE—3 story and base, brick and steel, \$18,000. San Francisco. Architect, C. O. Clausen, Hearst Bldg., S. F. Owner's name withheld. The building will be erected on O'Farrell street near Leavenworth, and has been designed to contain a number of two and three room apartments. Interior will be finished in pine and elm. Some oak floors will be used. There will be steam heat and a hot water system. All suites will have wall beds and private bath rooms. Marble and tile wainscot will be used in the entrance. Exterior of the building will be faced with pressed brick trimmed with terra cotta. Plans are complete and figures will be called for at once.

RESIDENCE—2 story and base, frame, \$3,000. San Francisco. Architect, N. W. Sexton, Chronicle Bldg., S. F. Owner, James F. Brennan, Hall of Justice. The dwelling will be erected on the west side of Pluto near Masonic avenue, and has been designed for a six-room house with bath. Interior will be finished in pine and redwood. Hardwood floors will be used in the living and dining rooms. There will be an open fire place and tile or brick mantel. Tile wainscot will be used in the bath rooms. An automatic water heater will be installed. Exterior of the dwelling will be covered with rustic and cement plaster on metal lath. Plans are complete and the work will be done by Day Labor.

Contracts Awarded.

FIRE HOUSE LIGHTING SYSTEM—\$1,150. San Francisco. Architects, Ward & Blohme, Alaska Commercial Bldg., S. F. Owners, City and County of San Francisco. Contractors, Thomas Day Co., S. F. Contract price, \$1,150. The contract covers the furnishing and installation of lighting fixtures in Engine House No. 12.

City Bids Opened

Board of Public Works Receives Figures on Three Small Jobs at Wednesday Afternoon Session.

Bids were received at the regular Wednesday afternoon meeting of the Board of Public Works for a refrigera-

tor room in the City and County Jail, for disinfector at the same building and for a disinfector at the receiving ward of the San Francisco Hospital. Following is a complete list of the bids as opened:

Refrigerating Room, Piping, City and County Jail.

Vulcan Iron Works.....\$2,345
Wittman Lyman & Co.....2,344
Disinfector, City and County Jail.
Wittman Lyman & Co.....\$1,590
Burnham Plumbing Co.....1,397
J. E. O'Mara.....1,657

Disinfector, S. F. Hospital (Receiving Building.)

Wittman Lyman & Co.....\$1,624
Burnham Plumbing Co.....1,421
J. E. O'Mara.....1,657

Building Contracts Awarded.

San Francisco

No.	Owner.	Contractor	Amt.
1477	Christ Scientist..	Pac Fire	4595
1478	Same	Korell	1548
1479	Nilsson	Lindberg	2125
1480	Same	Same	2125
1481	Slattery	Fraser	5500
1482	Symington	Houle	1150
1483	Harrington	Owner	3000
1484	Same	Same	3000
1485	Landreville	Owner	1700
1486	McDonald	McDonald	1500
1487	Foster	Foster	500
1488	Eilers	Fink	400
1489	Judrich	Reinhart	500
1490	Kurregger	Manseau	2778
1491	Towne	Lagomarsino	2472
1492	O'Brien	Conrad	12240
1493	Hughes	Leigh	4700
1494	Valconesi	Chiappe	5275
1495	Henning	Koschnitzke	4200
1496	Wilson	Lurmann	10250
1497	Allred	Allred	1950
1498	Same	Same	1950
1499	Wright	Urfer	400
1500	Jackson	Sullivan	500
1501	Krampert	Krampert	400
1502	Harris	Fahien	500
1503	Marcus	Montrouil	500
1504	Corville	Corville	1000
1505	Hewitt	Hewitt	950
1506	Hanlon	Palmer	31000
1507	Mackroth	Johnson	10356
1508	Geib	Witzelsberger	4265
1509	Moscone	Polati	5750
1510	Columbia Rlty ..	Fennell	6107
1511	Same	Kell	2935
1512	Same	Foster	9500
1513	Same	Fibrestone	178
1514	Allis	Schroder	650
1515	Lippi	Lippi	425
1516	Hastings	Fisher	400
1517	Husted	Husted	500
1518	Searcy	Searcy	400
1519	Mageris	Cavaglieri	450
1520	Van Neys	Roberts	500
1521	Crocker	Cahill	1000
1522	Grace	Grace	1500
1523	Nelson	Nelson	2500
1524	Nelson	Nelson	2500
1525	Shepard	Pettersen	6850
1526	Peterson	Anderson	1600
1527	Omen	Arnold	400
1528	Harcourt	W'n Furnace	400
1529	Jones	Brumfield	400
1530	Thomas	Rankin	400
1531	Ames	Campbell	400
1532	Shoenberg	Morchio	400
1533	Odd Fellows Hall..	Owner	6000
1534	Arnott	Arnott	1400
1535	Costello	Costello	1900
1536	Conservative Bldg.	Owner	6000
1537	Raisch	Cox	4000
1538	Same	Same	4000
1539	Same	Same	4000
1540	Same	Same	4000
1541	Randolph	Wilkie	4150
1542	Gerahty	McCormick	4000
1543	Trapp	Cerda	2665
1544	Corcoran	Gillogley	4560

HEATING SYSTEM, ETC.

(1477) N HAIGHT 187-6 E Central Ave N 137-6xE 75. Heating and ventilating system for church bldg. Owner.....Third Church of Christ Scientist in San Francisco. Architect...Edgar A. Mathews, 251 Post, San Francisco.

W. R. BRODE, Pres. LOUIS R. HOLM, Sec. R. J. BRODE, Vice-Pres.

BRODE IRON WORKS

Established 1886---Incorporated 1913

Tel. Kearny 2464.

Fabricators and Contractors of Structural Steel and Ornamental Iron Work

Office & Works: 31-37 Hawthorne St., bet. Howard & Folsom Sts., San Francisco, Cal.

Contractor..Pacific Fire Extinguisher
Co., 507 Montgomery, S. F.

Filed May 17, '15. Dated May 10, '15.

Monthly payments of..... 75%

Usual 35 days..... 25%

TOTAL COST, \$4595

Bond, \$2300. Sureties, Winfield S. Davis
and Burt L. Davis. Limit, forfeit,
none. Plans and specifications filed.(1478) GALVANIZED IRON, COPPER
and tin on above.Contractor..J. A. Korell, 777 Ellis,
San Francisco.

Filed May 17, '15. Dated May 10, '15.

Payments same as above.....

TOTAL COST, \$1548

Bond, \$800. Surety, Pacific Coast
Casualty Co. Limit, forfeit, none.
Plans and specifications filed.

FRAME DWELLING

(1479) N TWENTY-SIXTH 213-4 W
Diamond 26-8x 114 H A 222. All
work for one and one-half-story
frame dwelling.Owner.....N. F. Nilsson, 355 Coleridge
San Francisco.

Architect...None.

Contractor..Lindberg Bros., 257 Sur-
rey, San Francisco.

Filed May 17, '15. Dated May 12, '15..

Frame up\$531

Brown coated 531

Completed and accepted..... 531

Usual 35 days..... 532

TOTAL COST, \$2125

Bond, none. Limit, 90 days. Forfeit,
none. Plans and specifications filed.

FRAME DWELLING

(1480) N TWENTY-SIXTH 160 W
Diamond 26-8x114. All work for one
and one-half-story frame dwelling.Owner.....N. F. Nilsson, 355 Coleridge
San Francisco.

Architect...None.

Contractor..Lindberg Bros., 257 Sur-
rey, San Francisco.

Filed May 17, '15. Dated May 12, '15..

Frame up\$531

Brown coated 531

Completed and accepted..... 531

Usual 35 days..... 532

TOTAL COST, \$2125

Bond, none. Limit, 90 days. Forfeit,
none. Plans and specifications filed.

FRAME FLATS

(1481) N LAKE 70 E 13th Ave E 25x
72. All work for two-story frame
flats.Owner.....M. A. and Selina Slattery,
1128 Lake, S. F.

Architect...None.

Contractor..John Fraser, 4008 Califor-
nia, San Francisco.

Filed May 17, '15. Dated May 17, '15.

Roof on\$1375

Plaster on 1375

Completed 1375

Usual 35 days..... 1375

TOTAL COST, \$5500

Bond, \$5000. Sureties, Michael A. Slat-
tery and J. C. Herold. Limit, 90 days.
Forfeit, \$2. Plans and specifications
filed.

FRAME COTTAGE

(1482) S NINETEENTH 105 W San-
chez W 25xS 114. All work except
lumber, electric fixtures, concrete,
excavation and cribbing for four-
room and bath frame cottage.Owner.....Jas. Y. & Cleo S. Syming-
ton, 3925 19th, S. F.

Architect...None.

Contractor..D. Houle, 660 Market, S. F.

Filed May 17, '15. Dated May 10, '15.

Frame up\$212.50

Brown coated 212.50

Completed 212.50

Usual 35 days..... 212.50

Balance \$300 secured by note at 6%

TOTAL COST, \$1150.00

Bond, none. Limit, 85 days. Forfeit,
none. Plans and specifications filed.

FRAME DWELLING

(1483) W TWELFTH AVE 75 S Cabrillo
Two-story and basement frame dwlg.Owner.....A. Harrington, 10 Judah,
San Francisco.

Architect...None.

Day's work. COST, \$3000

FRAME DWELLING

(1484) W TWELFTH AVE 50 S Cabrillo
Two-story and basement frame dwlg.Owner.....A. Harrington, 10 Judah,
San Francisco.

Architect...None.

Day's work. COST, \$3000

FRAME FLATS

(1485) N MASONIC AVE junction Park
Hill Ave. Two-story and basement
frame (2) flats.Owner.....Mrs. J. A. Landreville, 1699
Masonic Ave., S. F.

Architect...None.

Contractor..Jas. A. Landreville, 1699
Masonic Ave., S. F.

COST, \$1700

FRAME SHOP

(1486) NW GOUGH AND OAK. One-
story frame shop.

Owner.....P. A. McDonald, Premises.

Architect...None.

Day's work. COST, \$1500

BILL BOARD

(1487) SW EAST AND MARKET.

Bill board on roof.

Owner.....Foster & Kleiser of Cali-
fornia, 273 Valencia, S. F.

Architect...None.

Day's work. COST, \$500

ALTERATIONS

(1488) NO. 975 MARKET. Alter front.

Owner.....Eilers Music Co., Premises.

Architect...None.

Contractor..Fink & Schindler Co., 228
13th, San Francisco.

COST, \$400

ALTERATIONS

(1489) SW KANSAS AND 17TH. Alter
saloon.

Owner.....F. Judnick, Premises.

Architect...None.

Contractor..Reinhart & Co., Premises.
COST, \$500Nearest to
Everything

POWELL ST. AT O'FARRELL

Best located and most popular
hotel in the City; circulating
ice water in every room.**Especial attention to
ladies travelling alone.**Excellent, reasonable priced
grill. Meet your friends at
the Manx

European Plan Rates \$1.50 up.

Management. Chester W. Kelley

FRAME RESIDENCE

(1490) E TWENTY-SIXTH AVE 250 N
Irving N 25xE 120. All work for two
story and basement frame residence.Owner.....Chas. A. & Cora Kurreger,
2727 22nd, San Francisco.

Architect...None.

Contractor..Edw. E. Manseau, 1278 35th
Ave., San Francisco.

Filed May 18, '15. Dated May 17, '15.

Frame up\$694.50

Brown coated 694.50

Completed and accepted..... 694.50

Usual 35 days..... 694.50

TOTAL COST, \$2778.00

Bond, \$700. Surety, Leonard Lumber
Co. Limit, 90 days. Forfeit, \$1. Plans
and specifications filed.

APARTMENTS

(1491) S CALIFORNIA 137-6 W Taylor
W 137-6xS 137-6. Carpenter work,
except lumber for five-story and
basement apartment building.

Owner.....Towne Realty Co.

Architect...None.

Contractor..S. Lagomarsino, 2115
Powell, S. F.

Filed May 18, '15. Dated May 17, '15.

Floor joists on ready for rough

flooring\$500

Roof sheathed and rough flooring

on 500

Completed and accepted..... 854

Usual 35 days..... 618

TOTAL COST, \$2472

Bond, \$1250. Surety, Pacific Coast
Casualty Co. Limit, 50 days. Forfeit,

\$20. Plans and specifications filed.

FRAME APARTMENTS

(1492) N McALLISTER 112-6 W Scott
W 25xN 137-6. All work except

painting for three-story frame apartments.

Owner.....T. I. O'Brien.

Architect...Leo J. Devlin, Pacific Bldg., San Francisco.

Contractor...Henry Conrad, 2854 Pine, San Francisco.

Filed May 18, '15. Dated May 17, '15.

Frame up\$2000

Enclosed and roof on..... 2000

White coated 2000

Standing finish on..... 1000

Completed and accepted..... 2110

Usual 35 days..... 3100

TOTAL COST, \$12,240

Bond, \$6500. Sureties, D. B. McDonald and P. Parenti. Limit, fast as possible. Forfeit, \$5. Plans and specifications filed.

FRAME FLATS

(1493) N ANZA 57-6 W Eighth Ave W 25xN 100. All work for two-story frame flats, garage in basement.

Owner.....Bernard & Annie Hughes, 706 Anza, San Francisco.

Architect...None.

Contractor...Leigh & Schultz, 419 21st Ave., San Francisco.

Filed May 18, 15. Dated April —, '15.

Walls up and roof on.....\$1175

Brown coated 1175

Completed and accepted..... 1175

Usual 35 days..... 1175

TOTAL COST, \$4700

Bond, none. Limit, 90 days after filling of lot. Forfeit, none. Plans and specifications filed.

FRAME STORE AND FLATS

(1494) NE MASON AND UNION 25 on Mason by 57-6. All work for three-story frame store and flat building.

Owner.....Pietro Valconesi & Angelo Grasso, 1826 Mason, S. F.

Architect...L. Traverso.

Contractor...Giovanni Chlappe & Agostino Valconesi, 1551 Mason, San Francisco.

Filed May 19, '15. Dated May 17, '15.

Rough frame up\$1318.75

Brown coated 1318.75

Completed and accepted..... 1318.75

Usual 35 days..... 1318.75

TOTAL COST, \$5275.00

Bond, none. Limit, 90 days after May 20. Forfeit, none. Plans and specifications filed.

FRAME FLAT AND STORE

(1495) W ELEVENTH AVE 65 S Cabrillo — 35xW 32-6. Carpenter, plaster, painting, electric and plumbing, etc., for two-story and basement frame flat and store.

Owner.....E. F. Henning, 789 10th Ave., San Francisco.

Architect...None.

Contractor...J. Koschnitzke, 1321 12th Ave., San Francisco.

Filed May 19, '15. Dated May 11, '15.

Frame up\$ 525

Brown coated 525

Standing finish on..... 525

Completed and accepted..... 525

Usual 35 days..... 2100

TOTAL COST, \$4200

Bond, none. Limit, 75 days. Forfeit, none. Plans and specifications filed.

FRAME APARTMENTS

(1496) N DUBOCE AVE 80 E Guerrero All work for three-story frame (6) apartments.

Owner.....Albert W. and Jennie A. Wilson, 180 Duboce Ave., San Francisco.

Architect...None.

Contractor...F. W. Lurmann, 1246 Sacramento, San Francisco.

Filed May 19, '15. Dated May 12, '15.

Frame up\$2562.50

Enclosed and brown coated.. 2562.50

Completed and accepted..... 2562.50

Usual 35 days..... 2562.50

TOTAL COST, \$10,250.00

Bond, \$6000. Sureties, Chas. F. Lurmann and Wm. F. Garms Jr. Limit, Aug. 15, 1915. Forfeit, none. Plans and specifications filed.

FRAME DWELLING

(1497) S OCEAN 104-10 W Wanda.

One and one-half-story and basement frame dwelling.

Owner.....C. S. Allred, 150 Onondago, San Francisco.

Architect...None.

Day's work. COST, *1950

FRAME DWELLING

(1498) S OCEAN 135-8 W Wanda.

One and one-half-story and basement frame dwelling.

Owner.....C. S. Allred, 150 Onondago, San Francisco.

Architect...None.

Day's work. COST, \$1950

ALTERATIONS

(1499) SE CLAY AND HYDE. Alter stores.

Owner.....W. L. Wright, Merchants' Exchange Bldg., S. F.

Architect...None.

Contractor...Chas. E. Urfer, 555 Pine, San Francisco.

COST, \$400

ADDITION

(1500) NO. 132 JORDAN AVE. Add one room and porch.

Owner.....Mrs. A. Jackson, Premises.

Architect...None.

Contractor...C. G. Sullivan, 318 Second Ave., San Francisco.

COST, \$500

FRAME DWELLING

(1501) E TWENTY-FIRST AVE 200 N Noreiga. One-story and basement frame dwelling.

Owner.....Gustav Krampert, 2250 Market, San Francisco.

Architect...None.

Day's work. COST, \$400

ALTERATIONS

(1502) NO. 1600 DIVISADERO. Alter stores.

Owner.....N. F. Harris, 1399 McAllister, San Francisco.

Architect...None.

Contractor...W. Fahien, 555 6th Ave., San Francisco.

COST, \$500

FRAME SHOP

(1503) N SUNNYSIDE 175 E Acadia. Two-story frame shop.

Owner.....F. R. Marcus, 1014 Larkin, San Francisco.

Architect...None.

Contractor...P. W. Montrouil, 270 Anderson, San Francisco.

COST, \$500

DRAINAGE SYSTEM

(1504) NO. 241 CLAY. Install drainage system.

Owner.....Corville Estate Co., Phelan Bldg., San Francisco.

Architect...J. E. Krafft & Sons, Phelan Bldg., San Francisco.

Day's work. COST, \$1000

ALTERATIONS

(1505) NO. 2338 TWENTY-FOURTH. Alter flats in basement.

Owner.....Mrs. E. Hewitt, Premises.

Architect...None.

Day's work. COST, \$950

REINFORCED CONCRETE GARAGE

(1506) NW BUSH AND ST. GEORGE Alley N 215 W 48 S 155-6 E 24 S 59-6 E 24. All work except elevator for three-story reinforced concrete garage building.

Owner.....Chas. F. Hanlon, Phelan Bldg., San Francisco.

Architect...O'Brien Bros., Inc., 240 Montgomery, San Francisco

Contractor...P. A. Palmer, Monadnock Bldg., San Francisco.

Filed May 20, '15. Dated May 19, '15.

Payments on 1st of each month 75%

Usual 35 days..... 25%

TOTAL COST, \$31,000

Bond, \$18,000. Surety, Fidelity & Deposit Co. of Maryland. Limit, 60 days Forfeit, none. Plans and specifications filed.

NOTE:—1st report April 19th. No. 1169

FRAME APARTMENTS

(1507) NE UNION AND BAKER N 100 xE 25 W A 550. All work for two-story and basement frame apartment building.

Owner.....Otto H. Mackroth, 2776 Mission, San Francisco.

Architect...Rousseau & Rousseau, 110 Sutter, San Francisco.

Contractor...Joel Johnson, 1139 Kansas San Francisco.

Filed May 20, '15. Dated May 14, '15.

Frame up and roof on.....\$2579.75

Brown coated 2579.75

Completed and accepted..... 2579.75

Usual 35 days..... 2617.25

TOTAL COST, \$10,356.00

Bond, \$5178. Surety, Pacific Coast Casualty Co. Limit, 90 days. Forfeit, none. Plans and specifications filed.

FRAME STORE

(1508) W MISSION 100 N Brooks. All work for one-story frame store.

Owner.....Ed. M. and J. F. Gelb, Santa Maria and Mission, S. F.

Architect...None.

Contractor...J. Witzelsberger, 126 Rousseau, San Francisco.

Filed May 20, '15. Dated May 19, '15.

Frame up\$1066.25

Brown coated 1066.25

Completed and accepted..... 1066.25

Usual 35 days..... 1066.25

TOTAL COST, \$4265.00

Bond, none. Limit, 40 days. Forfeit, none. Plans and specifications filed.

FRAME FLATS

(1509) N LOMBARD, bet. Laguna and Octavia. All work except dry clothes yard on roof, gas and electric fixtures fire place gratings and window shades for three-story frame flats.

Owner.....David Moscone, 1850 Lombard, San Francisco.

Architect...None.

Contractor...Giuseppe Polati, 2371 Lombard, San Francisco.

Filed May 20, 15. Dated May 17, '15.

Foundations completed\$ 450

Roof on and rough work up.... 1325

Brown coated 1325
 Completed and accepted..... 1325
 Usual 35 days..... 1325
TOTAL COST, \$5750
 Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications filed.

BRICK HOTEL

(1510) W TAYLOR 137-6 N Sutter N 38-9xW 137-6. Brick work for five-story and basement brick hotel bldg. Owner.....Columbia Realty Co.
 Architect...Edward T. Foulkes, Crocker Bldg., San Francisco.
 Contractor...J. S. Fennell, 180 Jessie, San Francisco.

Filed May 20, '15. Dated May 8, '15.
 Walls ready for 3rd floor joists.\$1551
 Walls ready for 5th floor joists 1552
 Completed and accepted..... 1452
 Usual 35 days..... 1552
TOTAL COST, \$6107

Bond, \$3045. Sureties, D. J. Sullivan and H. E. Mattheis. Limit, rapidly as required. Forfeit, \$10. Plans and specifications filed.

(1511) IRON COLUMNS, FIRE ESCAPE lintels, elevator fronts and all other iron work on above.

Contractor...P. H. Keil, 3153 18th, S. F.
 Filed May 20, '15. Dated May 8, '15.
 Structural iron up to 2nd floor line\$733
 Iron work up to roof line..... 734
 Completed and accepted..... 734
 Usual 35 days..... 734
TOTAL COST, \$2935

Bond, \$1470. Surety, Massachusetts Bonding & Insurance Co. Limit, rapidly as required. Forfeit, \$10. Plans and specifications filed.

(1512) CARPENTER WORK ON above.

Contractor...Foster-Vogt Co., 515 Sharon Bldg., San Francisco.
 Filed May 20, '15. Dated May 14, '15.
 Building ready for laths.....\$3000
 Completed and accepted.....4125
 Usual 35 days..... 2375
TOTAL COST, \$9500

Bond, \$4750. Surety, Pacific Coast Casualty Co. Limit, as rapidly as required. Forfeit, none. Plans and specifications filed.

(1513) ROOFING ON ABOVE.

Contractor...Fibrestone & Roofing Co., 971 Howard, S. F.
 Filed May 20, '15. Dated May 17, '15.
 Completed and accepted.....\$133
 Usual 35 days..... 45
TOTAL COST, \$178

Bond, none. Limit, 5 days after notification. Forfeit, none. Plans and specifications filed.

FRAME STORE

(1514) ON VERANDA OF CLIFF House. One-story frame store and exhibit building.
 Owner.....W. C. Allis, 460 Duboce Ave., San Francisco.
 Architect...A. W. Burgren, 58 Sutter, San Francisco.
 Contractor...Schroder Bros., 765 Folsom S. F. COST, \$650

ALTERATIONS

(1515) NO. 1648 KIRKWOOD. Raise and alter dwelling.
 Owner.....P. Lippl, Premises.
 Architect...None.
 Day's work. COST, \$425

ERECT AWNING

(1516) NW CLAY AND SANSOME. Erect awning and new front.
 Owner.....Hastings Estate, 422 Montgomery, San Francisco.
 Architect...None.
 Contractor...L. P. Fischer, 180 Jessie, San Francisco. COST, \$400

ADDITION

(1517) NE McALLISTER & WILLARD. Add porch and new coal grate.
 Owner.....M. Husted, 2694 McAllister San Francisco.
 Architect...None.
 Day's work. COST, \$500

RAISE AND UNDERPIN DWELLING

(1518) NO. 418 TWENTY-FIFTH AVE. Raise and underpin dwelling.
 Owner.....Allen G. Searcy, Premises.
 Architect...None.
 Day's work. COST, \$400

RAISE FLATS

(1519) S TWENTY-THIRD 54 E Chattanooga. Move, raise and underpin flats.
 Owner.....M. Mageris, Premises.
 Architect...None.
 Contractor...G. Cavaglieri, 593 Potrero Ave., San Francisco. COST, \$450

REPAIRS

(1520) NOS. 653-55 FULTON. Repair fire damage.
 Owner.....S. H. Van Nuys, Los Angeles.
 Architect...None.
 Contractor...W. Roberts, Premises. COST, \$800

ADDITION

(1521) NO. 525 MARKET. Add three rooms.
 Owner.....Crocker Estate, Crocker Bldg., San Francisco.
 Architect...None.
 Contractor...J. R. Cahill, 460 Montgomery, San Francisco. COST, \$1000

FRAME DWELLING

(1522) W UTAH 125 N 24th. Two-story and basement frame dwelling.
 Owner.....John T. Grace, 1013 Rhode Island, San Francisco.
 Architect...None.
 Day's work. COST, \$1500

FRAME DWELLING

(1523) W TWENTY-EIGHTH AVE 195 S Lincoln Way. Two-story and basement frame dwelling.
 Owner.....F. Nelson, 30 Presidio Terrace, San Francisco.
 Architect...None.
 Day's work. COST, \$2500

FRAME DWELLING

(1524) W TWENTY-EIGHTH AVE 115 S Lincoln Way. Two-story and basement frame dwelling.
 Owner.....F. Nelson, 30 Presidio Terrace, San Francisco.
 Architect...None.
 Day's work. COST, \$2500

FRAME APARTMENTS, ETC.

(1525) E EUREKA 258-6 S 18th E 125 xS 27-6. All work except wall beds for two-story frame apartments and garage.
 Owner.....Clement H. Shephard.

Architect...Welch & Carey, Merchants' National Bank Bldg., S. F.
 Contractor...Pettersen & Persson, 110 Jessie, San Francisco.

Filed May 21, '15. Dated May 20, '15.
 Frame up\$1285
 Brown coated 1284
 Plaster finished 1284
 Completed and accepted..... 1284
 Usual 35 days..... 1713
TOTAL COST, \$6850

Bond, \$3425. Surety, Southwestern Surety Insurance Co. Limit, 75 days. Forfeit, \$10. Plans and specifications filed. 0

COTTAGE

(1526) SW DUNCAN AND HOFFMAN Ave. All work for one-story 4-room cottage.
 Owner.....Oscar and Agnes Peterson.
 Architect...None.
 Contractor...A. V. Anderson.
 Filed May 21, '15. Dated —.
 Roof on\$400
 White coat on..... 400
 Completed and accepted..... 400
 Usual 35 days..... 400
TOTAL COST, \$1600

Bond, none. Limit, 90 days from May 24, 1915. Forfeit, none. Plans and specifications filed.

CLASS "A" OIL STATION

(1527) NE SEVENTEENTH AND Market. One-story Class "A" oil station.
 Owner.....Omen Oil Co.
 Architect...None.
 Contractor...H. W. Arnold, 4020 19th, San Francisco. COST, \$400

MARQUISE

(1528) NO. 1105 LARKIN. Erect mar- quise.
 Owner.....Hotel Harcourt.
 Architect...Sylvain Schnaittacher, 233 Post, San Francisco.
 Contractor...Western Furnace & Cor- nice Co., 1645 Howard, San Francisco. COST, \$400

ELECTRIC SIGN

(1529) NO. 1180 MARKET. Electric sign.
 Owner.....Ed. Jones, Premises.
 Architect...None.
 Contractor...Brumfield Elec. Sign Co., 18 7th, San Francisco. COST, \$400

ALTERATIONS

(1530) 861-865 FOURTEENTH. Raise and move dwelling.
 Owner.....G. F. Thomas, Premises.
 Architect...None.
 Contractor...C. D. Rankin Constr. Co., 724 Gough, San Francisco. COST, \$400

ALTERATIONS

(1531) NO. 1665 WASHINGTON. Alter exterior and install doors and win- dows.
 Owner.....Ames Est., Monterey, Cal.
 Architect...None.
 Contractor...Mark Campbell & Son, 787 McAllister, S. F. COST, \$400

ALTERATIONS

(1532) NOS. 18-22 FIRST. Alter in- terior of store.

Owner.....L. Shoenberg, 55 Second,
San Francisco.
Architect...None.
Contractor...John Morechio, 237 10th
Ave., San Francisco.
COST, \$400

BRICK STORES

(1533) S MARKET 75 W Seventh.
One-story and basement brick (4)
stores.

Owner.....The Odd Fellows' Hall As-
sociation, 7th and Market,
San Francisco.
Architect...None.
Day's work. COST, \$6000

FRAME DWELLING

(1534) N MEDA 50-6 W Otsego. One-
story and basement frame dwelling.
Owner.....Jos. Arnott & Son, 517 Noe,
San Francisco.

Architect...None.
Day's work. COST, \$1400

FRAME DWELLING

(1535) S COTTER 475 W Mission. One
story and basement frame dwelling.
Owner.....Costello & Macdonough, 93
College Ave., S. F.

Architect...None.
Day's work. COST, \$1900

FRAME FLATS

(1536) N CLEMENT 117-6 W 14th Ave
Two-story and basement frame (2)
flats.

Owner.....Conservative Bldg. & Invst
Co., 200 Phelan Bldg., S. F.
Architect...None.
Day's work. COST, \$6000

DWELLING

(1537) E SEVENTH AVE 200 S Kirk-
ham. Two-story and basement frame
dwelling.

Owner.....A. J. Raisch, Crocker
Bldg., San Francisco.
Architect...None.
Contractor...Cox Bros., 1375 9th Ave.,
S. F. COST, \$4000

FRAME DWELLING

(1538) E SEVENTH AVE 125 S Kirk-
ham. Two-story and basement frame
dwelling.

Owner.....A. J. Raisch, Crocker
Bldg., San Francisco.
Architect...None.
Contractor...Cox Bros., 1375 9th Ave.,
S. F. COST, \$4000

FRAME DWELLING

(1539) E SEVENTH AVE 175 S Kirk-
ham. Two-story and basement frame
dwelling.

Owner.....A. J. Raisch, Crocker
Bldg., San Francisco.
Architect...None.
Contractor...Cox Bros., 1375 9th Ave.,
S. F. COST, \$4000

FRAME DWELLING

(1540) E SEVENTH AVE 150 S Kirk-
ham. Two-story and basement frame
dwelling.

Owner.....A. J. Raisch, Crocker
Bldg., San Francisco.
Architect...None.
Contractor...Cox Bros., 1375 9th Ave.,
S. F. COST, \$4000

FRAME FLATS

(1542) LOT 22 BLK 1 Holly Park Tct.
All work for two-story and base-
ment frame flats.

Owner.....Hugh and Annie Geraghty,
434 Linden, S. F.

Architect...None.
Contractor...Thos. McCormick, 25
Gladys, San Francisco.

Filed May 22, '15. Dated May 21, '15.
Enclosed\$1000
Brown coated 1000
Completed 1000
Usual 35 days..... 1000
TOTAL COST, \$4000

Bond, \$2000. Sureties, W. A. Dunne
and H. S. Thomson. Limit, 90 days.
Forfeit, none. Plans and specifications
filed.

FRAME RESIDENCE

(1543) NE CHURCH AND ARMY N
51-6xE 96. All work for one-story
frame residence.

Owner.....John G. Trapp, 1608
Church, San Francisco.
Designer...Invented Bldg. Products
Constr. Co., 5004 Mission,
San Francisco.

Contractor...John Cerda, 358 Vienna,
San Francisco.

Filed May 22, '15. Dated May 20, '15.
Frame up\$666
Brown coated 666
Completed and accepted..... 666
30 days after..... 667
TOTAL COST, \$2665

Bond, \$1400. Sureties, Louis Johnson,
W. M. Varni and Virginia Varni. Limit
75 days. Forfeit, \$5. Plans and speci-
fications filed.

FRAME FLATS

(1544) E NINETEENTH AVE 275 N
Fulton N 25xE 120 O L 398. All work
for two-story frame flats.

Owner.....Wm. D. Corcoran, 234 27th,
San Francisco.

Architect...J. W. Gillogley.
Contractor...J. Gillogley & Sons., 745
San Jose Ave., S. F.

Filed May 22, '15. Dated May 15, '15.
Rough frame up.....\$1140
Brown coated 1140
Completed and accepted..... 1140
Usual 35 days..... 1140
TOTAL COST, \$4560

Bond, \$2300. Sureties, S. J. Lazarus
and R. W. Gillogley. Limit, 90 days.
Forfeit, none. Plans and specifications
filed.

LEASES

May 18, 1915—S SUTTER 65 E Fillmore
E 13-9 S 33-5 E 13-3 S 21-6 W 28 N
55. Bernard and Bertha Fulda to
Chas H Mueller and Florencio Silva.
5 years. \$75 per month.

May 18, 1915—NO. 2174 GREEN. Mrs
Annie S Fretwell to John Hubert
Mee. 2 years. \$86.50 per month with
option to renew.

May 18, 1915—N POST 90 W Buchanan
75x137-6. J H Bohlrig to G Usami.
3 years. \$7716.

May 19, 1915—S McALLISTER, bet.
Market and City Hall. Wm T Dunn
to Rosaria Lucia and Francesco
Lucia. 5 years. \$1380.

May 19, 1915—NO. 989 ELLIS near
Franklin. G Shultes and J Morrison
to S D, K and S N Michels. 5 years.
\$7500.

May 20, 1915—NO. 33 SIXTH NE Cor.
Stevenson. Brackett Bros to Battista
Errico. 2 years 9 months. \$10 per
month, etc.

May 20, 1915—NE ELEVENTH 137-6
SE Market SE 62-6xNE 137-6. Rector

& Vestry of Church of Advent to M
F Ernst and G J Panario. 15 years.
\$13,800.

INCORPORATIONS

Alexander-Marks Co. To manufac-
ture and deal in goods, wares and gen-
eral merchandise. Capital Stock, \$10,-
000; 1000 shares at \$10 each; amount
subscribed, \$30. Place of business, San
Francisco. Directors—B. T. Alexander,
E. Marks, E. M. Hirschfelder, 1 share
each.

W. L. Hemminga, Inc. To deal in
real estate. Capital Stock, \$10,000;
10,000 shares at \$1 each; amount sub-
scribed, \$3. Place of business, San
Francisco. Directors—R. E. Hemminga
N. J. Hemminga, W. L. Hemminga, 1
share each.

Filmopticon Co. To generally trade
in moving picture machines and pic-
tures and films. Capital Stock, \$60,000;
600 shares at \$100 each; amount sub-
scribed, \$500. Place of business, San
Francisco. Directors—W. S. Braun,
K. Van Zante, C. A. Turner, J. R. Robin-
son and R C Bassett, 1 share each.

NOTICE OF NON-RESPONSIBILITY.

May 19, 1915—LOT 32 BLK 12 Crock-
er-Amazon Tract. Crocker Estate
Co as to improvements on leased
property

May 17, 1915—SW EDDY & TAYLOR
S 68-9xW 137-6. Morris and Joseph
Hyman, Frederick Baruch, Theresa
Stone, Emilie Baruch and Frederick
Baruch, Trs Estate Henry W Hy-

NOTICE OF NON-LIABILITY.

May 17, 1915—NW HARRISON 300
SW Third SW 25xNW 85. Elizabeth
M Schenkel as to improvements on
leased property

RELEASE OF BUILDING CONTRACT.

May 17, 1915—N LAKE 70 E 13th Ave
E 25xN 72. M A and Selina Slattery
with John Fraser.....

COMPLETION NOTICES.

San Francisco

May 14, 1915—E OAKWOOD 338 S
18th 32x105. D Campi to Giuseppe
Capelli & Co.....May 10, 1915

May 14, 1915—NE EDDY AND JONES
N 137-6xE 137-6. W E Dean to A
HausMay 12, 1915

May 14, 1915—NW JERSEY & SAN-
chez. F Wisemann to Mager Bros
.....May 14, 1915

May 14, 1915—E POWELL 137-6 N
California N 68-9xE 137-6. A W
Wilson and Jos Martin to W D
Henderson, May 7; A Gradin.....
.....May 7, 1915

May 15, 1915—E SEVENTEENTH AV
275 S Lake S 50xE 120. John
Johnson to whom it may concern..
.....May 15, 1915

May 15, 1915—SE NINTH AVE AND
Ortega (O) E 120 S 100 W 25 N 75
W 95 N 25. San Francisco Home
Bldg Co, fmly Guerrero Realty Co
to John Carlson and J H Verner..
.....May 14, 1915

May 15, 1915—NE EDDY & JONES N 137-6xE 137-6. W E Dean to Pacific Floor Sanding Co. May 14, '15
 May 15, 1915—SW LYON & TONQUIN W 400 N 450 S 250. Panama-Pacific Exposition Commission State of New York to Edward Schroeder Lamp Works. May 15, 1915
 May 17, 1915—NE EDDY & JONES N 137-6xE 137-6. W E Dean to Scott Co, May 17; Robert Dalziel, Jr, May 17; Central Elec. Co. May 17, 1915
 May 17, 1915—S LOMBARD 75 — Scott 22-8x100. Ansano Delprete to D Francesconi. May 10, 1915
 May 18, 1915—NE EDDY & JONES N 137-6xE 137-6. W E Dean to I Kissel. May 17, 1915
 May 18, 1915—LOT 20 BLK 5, Crocker Amazon Tract. Albert Mattson to whom it may concern. May 18, 1915
 May 18, 1915—CHESTNUT NO. 1327, bet. Van Ness Ave and Franklin. Dave Garibaldi to Hofmeister & Berdahl. May 12, 1915
 May 18, 1915—N COLLEGE AVE 142-5½ W Mission 25x99-6. Bernard F Dolan to Smith Bros. May 18, 1915
 May 18, 1915—LOT 5 BLK 163, on Stockton bet. Sacramento and Clay. Christian Woman's Board of Missions to Gaspard & Hammond. May 8, 1915
 May 18, 1915—NW DOUGLASS AND 19th N 25xW 91-4. R J and B Rudebeck to Ellingson & Holt. May 15, '15
 May 19, 1915—N POST 137-6 E Larkin E 63-7xN 137-6. A Rothberg to A G Reed and M J White (as Reed & White). May 1, 1915
 May 19, 1915—E POWELL 21 S Lombard S 41-6xE 99-6. A Cadenasso to whom it may concern. May 10, 1915
 May 19, 1915—SE GEARY AND Parker Ave. Thomas R Curtis to San Francisco Bldg Co. May 19, 1915
 May 19, 1915—E TWENTY-SIXTH Ave 175 N Irving 25x120. K T Dowie to McArthur Bros. May 19, 1915
 May 19, 1915—SW EDDY & HYDE W 137-6xS 137-6. W E Dean to A H Wilhelm, May 18; Pacific Fire Extinguisher Co. May 18, 1915
 May 20, 1915—S PINE 181-3 W Fillmore W 50xS 127-6. P J Mehegan to W A Newsom. May 1, 1915
 May 20, 1915—W NINETEENTH AVE 92 N Cabrillo N 25xW 98. W R Kenny to whom it may concern. May 20, 1915
 May 20, 1915—LOT 31 LYON & HOAG Sub No. 2, Ashbury Terrace. Patrick H and Mary Monahan to whom it may concern. May 18, 1915
 May 20, 1915—SE VAN NESS AVE & Vallejo 26x109. Bridget Daly to G Cavaglieri. May 19, 1915
 May 20, 1915—SW EDDY AND HYDE W 137-6xS 137-6. W E Dean to M A De Lew. May 19, 1915
 May 20, 1915—NW CLEMENT AND 14th Ave N 25xW 102-6. Conservative Bldg & Invst Co to whom it may concern. May 20, 1915
 May 20, 1915—E DE HARO 75 S 22nd S 25xE 100. Fred Beresnoff to Jno Rudometkin. May 15, 1915
 May 21, 1915—W TWENTY-SEVENTH Ave 265 S Geary S 35xW 120. Ernest E Dunn to Ernest E Dunn. May 21, '15
 May 21, 1915—W DOUGLASS 103 S Casselli Ave S 25xW 100. Emma M Kilkenney to W E Grant. May 20, '15
 May 21, 1915—E CHURCH 40 S 24th S 24xE 100. John Francis Duffy and Jane Frances Duffy to Einar

Petersen May 19, 1915
 May 21, 1915—SE GREENWICH & Hyde S 68-9xE 100. Greenwich Realty Co to Holm & Son, May 19;
 Brode Iron Works. May 19, 1915

LIENS FILED

SAN FRANCISCO COUNTY.

May 15, 1915—SW NINETEENTH & Texas S 25xW 100. Gus J Peters vs Patrick and Kate Hannon and B W Demaries. \$32.70
 May 15, 1915—S CORTLAND AVE and SW Folsom SW 40-11 SE 48-6 NE 66-4¼ SW 56-10¼ being ptn Lots 551 and 556, Gift Map No. 2. Giuseppe Ricca and Antonio Gazerza vs Giovanni Bianchi. \$443.22
 May 15, 1915—NW VAN NESS AVE and Chestnut N 365 W 145 N 90 W 115 S 455 — 260. Thos H Price (as Thos H Price Co) vs Northwest Constr Co, V Cardashian, American-Oriental Concessions Co, Panama-Pacific International Exposition Co, Julia Rossel, Thomas M and Catherine Furlong et al. \$351.80
 May 15, 1915—SE CORTLAND AVE and Folsom S parallel with Folsom 43 E 70 N 87 m or l SW parallel with Courtland 83 m or l to beg. Lot 551 Gift Map No. 2; No. 1018 Courtland Ave. United Lighting Fixture Co vs John Bianchi. \$95
 May 17, 1915—SE FOLSOM & CORTLAND Ave S 40-11 and NE 56-10¼. The Greater City Lumber Co vs John Bianchi. \$2400
 May 17, 1915—NW BAY AND LYON W 300 S parallel with Lyon to N Chestnut, extended E 300 N to beg. Olson Mahony Lumber Co vs Exposition Service Co, Taihaku Service Co and Panama-Pacific International Exposition Co and Formosa Tea House and O Tsuji. \$167.69
 May 17, 1915—S LOMBARD 138 W Baker W 27-6xS 137-6. Niels Jacobsen vs A Halstrom and John Doe Lacazette. \$230
 May 18, 1915—SE CORTLAND AVE & Folsom S 40-11 E 48-6 N 66 W 56-10¼ m or l, also being SE Folsom and Cortland Ave; No. 1018 Cortland Ave. W P Fuller & Co vs Giovanni (John) Bianchi. \$137.58
 May 18, 1915—SE FOLSOM & CORTLAND Ave S 43 E 70 N 87 m or l SW 83 m or l. Fibrestone & Roofing Co vs John Bianchi. \$52
 May 18, 1915—S CORTLAND AVE & SW Folsom S 40-11 SE 48-6 NE 66-4¼ SW 56-10¼ being Ptn Lots 551 and 556 Gift Map No. 2. H M Scott and Edmond Scott vs Giovanni Bianchi. \$200
 May 18, 1915—SW NINETEENTH & Texas S 25xW 100. A Seghieri & Ero, Inc vs Patrick and Kate Hannon and B W Demarais. \$65
 May 18, 1915—SW CHESTNUT AND Van Ness Ave W 120xS 56. Bert Simon and Samuel Simon (as Simon Bros) vs J H Murphy, B Frankel, Jacob Kessler and Ella C Rohlf. \$41.60
 May 18, 1915—S LOMBARD 138 W Baker W 27-6xS 137-6. George N Zaro vs Arthur Halstrom and Louis Lacazette. \$347.50
 May 19, 1915—E TWENTY-SECOND Ave 205-8 N Taraval N 26-5xE 120. Spring Valley Lumber Yard vs Chas and Leona A Bauersachs and P Grell and E Ichter. \$217.50
 May 19, 1915—S LOMBARD 138 W Baker W 27-6xS 137-6. J H Kruse vs A Halstrom. \$311.86
 May 19, 1915—W SANCHEZ 114 N 24th N 25xW 101-9. J H Kruse vs Leland Spencer and A Wilfert. \$55.60
 May 19, 1915—LOT 41 BLK 4, Lakeview. Spring Valley Lumber Yard vs Frank and Genevieve McCarthy and Joseph C Stromswold. \$261.15
 May 19, 1915—SE FOLSOM AND Cortland Ave S 43 m or l E 70 N 87 m or l SW 83 m or l. G C Ames vs John Bianchi. \$77.50
 May 20, 1915—SW FOLSOM & CORTLAND Ave. N F Hatfield vs John Bianchi. \$50
 May 20, 1915—EXPOSITION. Habenicht & Howlett vs Exposition Service Co, Pauhaku Service Co, Kwantung Government Manchuria Railway Co and Panama-Pacific International Exposition Co. \$88.75
 May 20, 1915—SE FOLSOM AND Courtland Ave S 43 E 70 N 87 m or l SW 83 m or l. Rufus Lossius vs John Bianchi. \$129
 May 19, 1915—NW GOUGH & BAY N 500 W parallel with Bay 200 S parallel with Gough 700 E 200 N 200. Hauptman Lumber Co vs T Tatsuni, Panama-Pacific International Exposition Co. \$653.75
 May 21, 1915—NW GOUGH & BAY N 500 W parallel with Bay 200 S parallel with Gough 700 E parallel with Bay 200, N 200 m or l. Hauptman Lumber Co vs T Tatsuni, Nippon Kaysan Kaisha (as Japan Beautiful) and Panama-Pacific International Exposition Co. \$653.75
 May 21, 1915—E FOLSOM 223-4 N 19th N 38xE 122-6. W G Tolliday vs The I C Moore Est Co and Bay City Bldg Co. \$165
 May 21, 1915—S LOMBARD 138 W Baker W 27.6xS 137.6. Thompson Roberts (as Roberts & Co) vs A Halstrom. \$35

OAKLAND AND ALAMEDA COUNTY

APARTMENT FLATS—2 story and base, frame, \$5,000. Oakland, Cal. Architect, Charles W. McCall, Central Bank Bldg., Oakland. Owner's name withheld. The building will be erected on Broadway near the Manual Training School, and has been designed to contain four modern apartment flats of three rooms each. Interior finish will be of pine with some elm panels. Hardwood floors will be used in the living and dining rooms. There will be a central heating system and hot water supply. Wall beds are specified. Bath rooms will be finished in tile. Exterior of the building will be covered with cement plaster on metal lath. Plans are now being prepared.
 FLATS—3 story and base, frame, \$3,500. Oakland, Cal. Architect, none. Owner, Michaels Cirimele, Park street, Alameda. The building has been designed to contain two modern flats and a store, and will be erected on the south side of Seventh street east of Henry. Interior finish will be of pine and redwood. Some oak floors will be used. There will be an open fire place in each of the living rooms. Tile wainscot will be used in the bath rooms and kitchens. Automatic water heaters are specified. The exterior of the

building will be covered with cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor.

LODGE HALL—3 story and base, frame, \$20,000. Oakland, Cal. Architect, Frederick Soderberg, Union Bank of Savings Bldg., Oakland. Owners, Oakland Swedish Hall Association. Four sets of figures were received for the construction of this building, the lowest being presented by Alfred Olson at \$16,086. He will probably be awarded the work.

HOTEL ALTERATION—5 story and base, brick, \$14,000. Berkeley, Alameda Co., Cal. Architect, Eugene K. Martin, 2192 Shattuck avenue, Berkeley. Owners, San Francisco Banking Syndicate. The present five-story office building, located on the east side of Shattuck avenue north of Center street, will be altered into a modern hotel. Included in the work will be new interior partitions, heating, plumbing and electric work, an automatic elevator, ornamental iron, marble work, painting and sheet metal work. Contract has been let for the electric work and plumbing. The balance of the work is now out for figures.

RESIDENCES—3, 2 story and base, frame. Cost not stated. Oakland, Cal. Architect, Charles W. McCall, Central Bank Bldg., Oakland. Owner's name withheld. The dwellings have been designed to contain from seven to eight rooms with bath and sleeping porches. Interior finish will be of pine with hardwood veneer and white enamel. Hardwood floors will be used in the living rooms, dining rooms and reception halls. There will be furnace heat and open fire places. Mantels will be of tile or brick. Bath rooms will be finished in tile. Automatic water heaters are specified. Exteriors will be covered with cement plaster on metal lath. Plans are now being prepared.

RESIDENCE—2 story and base, frame, \$5,500. Oakland, Cal. Architect, Charles W. McCall, Central Bank Bldg., Oakland. Owner's name withheld. The dwelling will be erected on Ardmore avenue in the Crocker Highlands, and has been designed to contain eight rooms, bath and sleeping porch. Interior finish will be of pine and hardwood, with some hardwood floors. White enamel will be used in the bed rooms. There will be furnace heat and open fire places. Mantels will be of tile or brick. Tile wainscot will be used in the bath room and kitchen. A hot water circulating system will be installed. Exterior of the house will be covered with cement plaster on metal lath. Plans are now being prepared.

APARTMENT HOUSE—2 story and base, frame, \$10,000. Oakland, Cal. Architects, Hutchinson & McLean, 470 13th street, Oakland. Owner, John Garretson. The building will be erected at the corner of 41st and Manila streets, and has been designed to contain eight apartments of three rooms each. Interior finish will be of pine with some hardwood veneer. Hardwood floors will be used in the principal rooms. Plans provide for furnace heat and a hot water system. All apartments will have wall beds, private baths. Bath rooms will be finished in tile. Exterior of the building will be covered with cement plaster

on metal lath. Plans are complete and in the hands of the owner who is taking figures on the general contract.

COUNTY INFIRMARY—1, 2 and 4 story, class A buildings, \$1,000,000. Oakland, Cal. Architect, Charles Peter Weeks, Mutual Bank Bldg., S. F. Owners, Alameda County. June 14th has been set as the date on which bids will be opened for the excavating and foundation work of the first unit of this group of buildings. Plans can now be secured from the office of the architect in San Francisco.

RESIDENCE—2 story and base, frame, \$10,000. Oakland, Cal. Architects, Schirmer, Bugbee & Co., Dalziel Bldg., Oakland. Owner, Mr. Forest. The dwelling has been designed for a ten-room house with two baths and sleeping porch and will be erected in the Crocker Highland Tract. Interior finish will be of pine, hardwood and white enamel. Hardwood floors will be used in the living room, dining room and reception hall. There will be furnace heat and open fire places, and a vacuum cleaning system. Mantels will be of tile or brick. A hot water circulating system will also be installed. Bath rooms will be finished in tile and equipped with high grade plumbing fixtures. Exterior of the building will be covered with cement plaster on metal lath. Plans have been revised and figures are now being taken.

RESIDENCE—2 story and base, frame, \$4,000. Berkeley, Alameda Co., Cal. Architect, F. R. Peake Co., 2127 University avenue, Berkeley. Owner's name withheld. The dwelling has been designed for a seven-room house with bath and sleeping porch, and will be erected on Claremont avenue near Alcatraz. Interior finish will be of pine and redwood with some hardwood veneer and white enamel used in the bed rooms. Hardwood floors will be used in the living room and dining room. There will be furnace heat and an open fire place. Mantel will be of tile or brick. Bath room will be finished in tile. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are complete and segregated figures are now being taken.

SCHOOL—2 story and base, brick and plaster, \$32,800. Berkeley, Alameda Co., Cal. Architects, Coxhead & Coxhead, Hearst Bldg., S. F. Owners, City of Berkeley. Seventeen sets of figures were opened last Tuesday by the Berkeley Board of Education for the construction of the new North Berkeley School. The lowest figure was received from W. D. Henderson, Monadnock Bldg., S. F., his bid for the general construction being \$32,280. The Siebert Co. of San Francisco presented the lowest figure for the heating visement. A complete list of the bids received will be found under the heading of Oakland and Alameda County and ventilating at \$5,597. The award of both contracts was taken under advertisement in this issue.

SCHOOL STAIRWAYS AND PLATFORMS—Iron and steel. Cost not stated. Oakland, Cal. Architect, none. Owners, City of Oakland. Bids will be opened on June 1st at 4:30 p. m. by the purchasing agent of the Board of Education with offices on the 14th floor of the City Hall Bldg. for the construction of iron stairways and

iron platforms in the Intermediate School. Plans and specifications can be secured from the purchasing agent.

RESIDENCE—2 story and base, frame, \$3,500. San Leannro, Alameda Co., Cal. Architects, Universal Drafting Bureau, 1844 5th avenue, Oakland. Owner, Judge Toffelmier. The dwelling has been designed for a seven-room house with bath and sleeping porch. Interior finish will be of pine and redwood with some white enamel. Hardwood floors will be used in the living room, dining room and reception hall. There will be open fire place. Mantels will be of tile or brick. Tile wainscot will be used in the bath room and kitchen. An automatic water heater will be installed. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are now being prepared and when complete the work will be done by Day Labor.

RESIDENCE—2 story and base, frame, \$5,000. Oakland, Cal. Architect, Carl Geilfuss, 46 Kearny street, S. F. Owner, Miss Olsen. The dwelling will be erected in Piedmont Heights, and has been designed to contain seven rooms and bath. Interior will be finished in pine and white enamel. Hardwood floors will be used throughout. There will be furnace heat and open fire places. Mantels will be of tile and marble. An automatic water heater will be installed. Bath room will be finished in tile. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are complete and figures are being taken.

RESIDENCE—2 story and base, concrete and frame, \$50,000. Oakland, Cal. Architect, Julia Morgan, Holbrook Bldg., S. F. Owner, James L. Lombard. The dwelling has been designed for a handsome suburban home and will be erected in the Crocker Highlands Tract. There will be in the neighborhood of twenty rooms, several baths, sleeping porches and a conservatory. A garage will be erected in the rear of the property. Interior of the building will be finished in pine, hardwood and white enamel. Hardwood floors will be used in the principal rooms. There will be a central heating system, probably steam heat or hot water with an oil burning furnace. Open fire places and vacuum cleaning are also specified. Mantels will be of tile. Bath rooms will be finished in tile and equipped with high grade plumbing fixtures. A hot water circulating system is also specified. The exterior of both the residence and garage will be faced with cement plaster on metal lath. Plans are now being prepared.

Contracts Awarded.

SCHOOL FIELD HOUSE—1 story, frame, \$747. Oakland, Cal. Architect, none. Owners, City of Oakland. Contractors, Koski Bros., Oakland. Contract price, \$747.

"Translating as a Factor in Foreign Trade" is the title of a pamphlet by Mr. Maximilian Aviles, export manager of the American Saw Mill Machinery Co. It discusses the difficulties in translating technical matter. Mr. Aviles prepared the pamphlet to further our export trade, and will send copies to those who address him at 50 Church Street, New York. (*)

Bids Opened For Berkeley School.

W. D. Henderson Submitted Low Bid For Construction of North Berkeley School.

Seventeen sets of figures were opened Tuesday by the Berkeley Board of Education for the construction of the North Berkeley School, a two-story brick and plaster building, designed by Architects Coxhead & Coxhead. W. D. Henderson, Monadnock Bldg., submitted the lowest figures on the general construction at \$32,280.

W. D. Henderson.....	\$32,280
Masow & Morrison.....	32,795
Fred H. Field.....	33,328
The Turner Co.....	34,295
H. A. Klyce.....	34,421
Walter Sorenson.....	34,834
Dunnavant-Oakley Co.....	35,394
Heckenroth & Schell.....	35,691
D. O. Church Co.....	35,700
J. Wendering.....	35,800
Carnahan & Mulford.....	35,898
Lester H. Stock.....	32,818
R. Giazze.....	36,848
W. Martin.....	37,336
Collman & Collman.....	38,752
Oakland Bldg & Mortgage Co.....	39,532
Larsen & Son.....	39,836

Heating and Ventilating.

Wittman-Lyman Co.....	\$6,866	\$2,530
Pacific Fire Extg. Co.....	6,575	2,940
The Turner Co.....	6,690	2,340
Scott Company.....	6,940	3,160
J. C. Hurley Co.....	6,683	2,622
Robert Dalziel Jr.....	6,457	2,590
Carl T. Doell.....	6,135	2,753
Siebert Co.....	5,597	2,239
J. E. O'Mara.....	6,987	2,990
Bay Engineering Co.....	7,290	3,050
Walter Mork.....	6,600	3,200

Building Contracts Awarded.

Oakland.

No.	Owner	Contractor	Amt.
902	White Lunch.....	Ostlund	5000
903	Durham.....	Durham	400
904	Hood.....	Bolts	2000
907	Cohne.....	Tayton	1500
908	Beekley.....	Beekley	1750
909	Schulz.....	Chubb	500
912	Seat.....	Flittner	850
913	Blumann.....	Flittner	4140
915	Northey.....	Larsen	1200
919	Fredericks.....	Banning	400
920	Univ Cal.....	Allen	1395
922	Braun.....	Malley	5656
923	Cohen.....	Tayton	1400
925	McArthur.....	Owner	2000
926	Cirimele.....	Cirimele	3000
927	Larrabee.....	Rogers	2650
914	Anderson.....	Anderson	2250
915	Dibert.....	Scott	5243
918	Corbett.....	Anderson	1100
949	Woodburn.....	Owner	2500

ALTERATIONS

(902) NO. 1319 BROADWAY, Oakland.
Alter store to lunch-room.
Owner.....White Lunch Co., 122
Kearny, San Francisco.
Architect...None.
Contractor..Ostlund & Johnson, 1901
Bryant, San Francisco.
COST, \$5000

GARAGE

(903) N FIFTY-THIRD 100 W Grove,
Oakland. Garage.
Owner.....J. P. Durham, 5301 Grove,
Oakland.
Architect...None.
Day's work, COST, \$400

DWELLING

(904) E PERALTA AVE 40 N Orchid,
Oakland. One-story 5-room dwlg.
Owner.....N. E. Hood, 1241 34th Ave.,
Oakland.
Architect...None.
Contractor..M. C. Bolts, 3116 Central
Ave., Alameda.
COST, \$2000

DWELLING

(907) N THIRTY-SECOND 30 E Lin-
den, Oakland. One-story 5-room
dwelling.
Owner.....B. Cohne, 32nd and Filbert,
Oakland.
Architect...None.
Contractor..F. G. Tayton, 5237 Miles
Ave., Oakland.
COST, \$1500

DWELLING

(908) S FAIRVIEW 100 E Shattuck
Ave., Oakland. One-story 6-room
dwelling.
Owner.....H. M. Beekley, 1916 Har-
mon, Berkeley.
Architect...None.
Day's work. COST, \$1750

BRICK ADDITION

(909) NO. 383 TWELFTH, Oakland.
Brick addition for coffee house.
Owner.....A. H. Schulz.
Architect...None.
Contractor..C. Chubb, 1932 Sinder, Okd.
COST, \$500

FRAME DWELLING

(912) LOTS 72 AND 73 and NE 15 Lots
70 and 71 Map Rosa Lee Tract, Oak-
land. All work for one-story frame
dwelling.
Owner.....Mrs. Esther Seat, 3807 39th
Ave., Oakland.
Architect...None.
Contractor..Jos. Flittner, 1700 35th
Ave., Oakland.
Filed May 17, '15. Dated May 11, '15.
Completed and accepted, note for
\$250
Usual 35 days, Deed to Lots 68
and 69 and SW 10 feet Lots 70
and 71, Map Rosa Lee Tract, Okd.
TOTAL COST, \$850
Bond, none. Limit, 60 days. Forfeit,
\$1. Plans and specifications filed.

ALTERATIONS AND ADDITIONS

(913) S DAVIS 325 W Peralta Ave W
50xS 123, Oakland. All work for
alterations and additions to three-
story frame dwelling.
Owner.....Mrs. Hilda Blumann, 3217
Dav's, Oakland.
Architect...None.
Contractor..Jos. Flittner, 1700 35th
Ave., Oakland.
Filed May 17, '15. Dated May —, '15.

Frame up ¼
Brown coated ¼
Completed and accepted..... ¼
Usual 35 days..... ¼
TOTAL COST, \$4140
Bond, \$2070. Surety Southwestern
Surety Insurance Co. Limit, 90 days.
Forfeit, \$1. Plans and specifications
filed.

DWELLING

(915) W EIGHTY-FOURTH AVE 80
S Holly, Oakland. One-story 4-room
dwelling.
Owner.....J. Northey, 1617 81st Ave,
Oakland.
Architect...None.

Contractor..R. K. Larsen, 3404 Elm-
wood Ave., Oakland.
COST, \$1200

GARAGE

(919) E STATEN AVE 139 N Van
Buren, Oakland. Garage.
Owner.....Inez Fredericks, Premises.
Architect...None.
Contractor..Banning & Stewart, 5215
Broadway, Oakland.
COST, \$400

ALTERATIONS

(920) FOOT OF SIXTY-SIXTH AVE.,
Oakland. Alter to serum station.
Owner.....University of California,
Berkeley.
Architect...None.
Contractor..F. E. Allen, 468 34th, Okd.
COST, \$1395

FRAME DWELLING

(922) NE KENMORE AVE 181.72 NW
Lakeshore Ave NW 50xNE 131.94,
Oakland. All work for two-story
and basement frame dwelling.
Owner.....Louis E. and Nellie Braun,
1107 Peralta, Oakland.
Architect...None.
Contractor..F. T. Malley, 3001 Grove,
Oakland.
Filed May 18, '15. Dated May 18, '15.
Frame up ¼
Plastered ¼
Completed and accepted..... ¼
Usual 35 days..... ¼
TOTAL COST, \$5656

Bond, \$3000. Sureties, J. M. Kelley
and J. J. McElroy. Limit, 75 days.
Forfeit, none. Plans and specifications
filed.

DWELLING

(923) THIRTY-SECOND near Filbert,
Oakland. All work for one-story 4-
room dwelling.
Owner.....Mrs. Ray Cohen, 3203 Fil-
bert, Oakland.
Architect...None.
Contractor..F. G. Tayton, 5237 Miles
Ave., Oakland.
Filed May 18, '15. Dated May 1, '15.
Frame up ¼
Plastered ¼
Carpenter work completed..... ¼
Usual 35 days..... ¼
TOTAL COST, \$1400

Bond, none. Limit, 60 days. Forfeit,
none. Plans and specifications filed.

DWELLING

(925) S FIFTIETH 132 E Shafter Ave.
Oakland. One-story 5-room dwelling.
Owner.....Chas. McArthur, 382 50th,
Oakland.
Architect...None.
Day's work. COST, \$2000

STORE AND FLATS

(926) S SEVENTH 75 E Henry, Oak-
land. Three-story stores and flats.
Owner.....Michelo Cirimele, Alameda.
Architect...None.
Day's work. COST, \$3000

DWELLING

(927) N TOWNSEND 202 E Welling-
ton, Oakland. One-story 6-room
dwelling.
Owner.....F. W. Larrabee, 1994 Web-
ster, Oakland.
Architect...A. W. Smith, 1010 Broad-
way, Oakland.
Contractor..F. O. Rogers, Oakland.
COST, \$2650

Structural Steel Contractors

Works at
HARRISON ST.,
bet. 8th & 9th
San Francisco

Telephone Market 337

DWELLING

(910) E BRYAN AVE 40 N College Ave., Oakland. One-story five-room dwelling.

Owner.....A. P. Anderson, 622 47th, Oakland.

Architect...None.

Day's work. COST, \$2250

FRAME DWELLING

(910) NE BELMONT 115 SW Staten 5 x 122, being Lot 10 Blk 13 Lakeside Shdvn Adams Point Tract, Oakland. All work for two-story and basement frame dwelling.

Owner.....Margaret Dibert, Oakland.

Architect...Milwain Bros., Delger Bldg., Oakland.

Contractor..G. A. Scott, 685 23rd, Okd.

Filed May 20, '15. Dated May 19, '15.

Frame up and chimneys built..\$1310

Brown coated 1310

Completed and accepted..... 1310

Usual 35 days..... 1313

TOTAL COST, \$5243

Bond, \$2650. Surety, Southwestern

Surety Insurance Co. Limit, 80 days.

Forfeit, \$150. Plans and specifications filed.

DWELLING

(918) E NINETIETH AVE 63.28 N Sunnyside, Oakland. One-story four-room dwelling.

Owner.....Frank Corbett, 1110 Franklin, Oakland.

Architect...None.

Contractor..C. J. Anderson, 1304 Filbert, San Francisco.

COST, \$1100

DWELLING

(919) E VISTA AVE 250 S Everett, Oakland. One-story 5-room dwelling

Owner.....Paul E. Woodburn, 3965 Greenwood, Oakland.

Architect...None.

Day's work. COST, \$2500

ADDITION

(905) E EUCLID 100 N Le Conte, Berkeley. Add to dwelling.

Owner.....R. Hodghead, 1720 Euclid Ave., Berkeley.

Architect...None.

Contractor..Walter Sorensen, 3219 Ellis, Berkeley.

COST, \$1982

ADDITION

(906) SW CHANNING & ROOSEVELT, Berkeley. Addition.

Owner.....John Strows, 1718 Channing Way, Berkeley.

Architect...None.

Contractor..C. D. Farrell, 2418 Roosevelt, Berkeley.

COST, \$400

GARAGE

(910) NO. 2747 ASHBY, Berkeley. Garage.

Owner.....M. Hill, Premises.

Architect...None.

Contractor..Jacob Kollmer, 2813 Stuart, Berkeley.

COST, \$400

FRAME DWELLING

(911) W BUSHNELL PLACE 214.48 N Hearst Ave, being Lots 10 and 11 Blk 2, Kellogg Ppty., Berkeley. All work except painting, heating, wiring and vacuum cleaning for two-story frame dwelling.

Owner.....Thomas Forsyth Hunt, 1802 Le Roy Ave., Berkeley.

Architect...Maybeck & White, 35 Montgomery, S. F.

Contractor..Ben Pearson, 2403 Grant, Berkeley.

Filed May 17, '15. Dated May 17, '15.

Payments each month of..... 75%

Usual 35 days..... 25%

TOTAL COST, \$6500

Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications filed.

DWELLING

(911) NW CURTIS AND BRISTOL, Berkeley. One and one-half-story 6-room dwelling.

Owner.....W. A. Stewart, 2220 8th, Berkeley.

Architect...None.

Contractor..W. J. Charles, P. O. Box 291, San Francisco.

COST, \$2000

FRAME DWELLING

(916) W FIFTH 151- 3-12 from N line Virginia N 50xW 150, Berkeley. All work for one-story frame dwelling.

Owner.....J. Larsen, Berkeley.

Architect...None.

Contractor..Gustav Eriksen and Peter Fredericksen, 1910 Hearst Ave., Berkeley.

Filed May 18, '15. Dated May 17, '15.

Frame up 14

Plastered 14

Completed 14
Usual 35 days..... 14

TOTAL COST, \$2175

Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications, none.

STORES AND APARTMENTS

(917) SE ASHBY AVE & GROVE, Berkeley. Two-story 12-room stores and apartments.

Owner.....Mabel H. Chandler, 55 Lawton Ave., Oakland.

Architect...None.

Contractor..Frank A. Ernsberger, 6245 College Ave., Oakland.

COST, \$8800

ADDITION

(918) NE SEVENTH AND ADDISON, Berkeley. Addition.

Owner.....Berkeley Day Nursery, 7th and Addison, Berkeley.

Architect...None.

Contractor..J. W. Buskirk, 3535 Meadow, Oakland.

COST, \$1180

DWELLING

(921) S DLEAWARE 1008 W McGee Ave W 70 S 134 8-12 E 161 4-12 N 35 3-12 W 93 8-12 N 99 1/2, Berkeley. All work for one-story 5-room dwlg.

Owner.....Lillian E. Betzner, Okd.

Architect...None.

Contractor..Ben Pearson, 2403 Grant, Berkeley.

Filed May 18, '15. Dated May 17, '15.

Frame up 14

Brown coated 14

Completed and accepted..... 14

Usual 35 days..... 14

TOTAL COST, \$1800

Bond, none. Limit, 75 days. Forfeit, none. Plans and specifications filed.

STORES AND APARTMENTS

(934) SE ASHBY AVE AND GROVE S 86.02 E 37.913 N 88 W 36, Berkeley. All work for two-story stores and apartments (4 stores and 4 apartments).

Owner.....Mabel H. Chandler, 55 Lawton Ave., Oakland.

Architect...None.

Contractor..Frank A. Ernsberger, 6245 College Ave., Oakland.

Filed May 18, '15. Dated May 17, '15.

1st floor joists in place.....\$1644

Roof completed 1644

Plaster completed 1644

Completed and accepted..... 1644

Usual 35 days..... 2192

TOTAL COST, \$8768

Bond, \$4384. Surety, Aetna Accident & Liability Co. Limit, 75 days. Forfeit, \$1. Plans and specifications filed.

DWELLING

(935) NW COLUSA AVE & POSEN, Berkeley. One-story 6-room dwlg.

Owner.....Anna M. Clark.

Architect...None.

Contractor..De Kay Co., 2000 Shattuck Ave., Berkeley.

COST, \$2500

DWELLING

(936) S ETON COURT 50 E Claremont Ave., Berkeley. Two-story 7-room dwelling.

Owner.....Sadie M. Hunter, 3117 Shattuck Ave., Berkeley.

Architect...Olaf S. Grove, 2311 Telegraph Ave., Berkeley.

Contractor..Verne Dildine, 6243 College Ave., Oakland.

COST, \$3500

BUILDING CONTRACTS

Berkeley.

No.	Owner	Contractor	Amt.
905	Hodghead	Sorensen	1982
906	Strows	Farrell	400
909	Hill	Kollmer	400
911	Hunt	Pearson	6500
914	Stewart	Charles	2000
916	Larsen	Eriksen	2175
917	Chandler	Ernsberger	8800
918	Bkly Nursery	Buskirk	1180
921	Betzner	Pearson	1800
924	Chandler	Ernsberger	8768
935	Clark	De Kay	2500
936	Hunter	Dildine	3500
937	Peake	Danielson	3250
938	Sellers	Tupper	1900
939	Alpha Tan	Owner	800
940	Berkeley	Waid	2000
941	S. F. Invest	Owner	1800
942	Glover	Glover	1500
943	Andrews	McBeth	400
946	Woodward	Oderborg	7750
947	Hanson	Peake	2425

DWELLING

(937) N MARIN AVE 590 E The Alameda, Berkeley. One and one-half-story 6-room dwelling.
Owner.....F. R. Peake Co., 2127 University Ave., Berkeley.
Architect...None.
Contractor...E. E. Danielson, 3896 Ruby Oakland.

COST, \$3350

DWELLING

(938) S PARKER 200 E San Pablo Ave., Berkeley. One-story 5-room dwelling.
Owner.....S. A. Sellers, 3023 Benvenue Ave., Berkeley.
Architect...None.
Contractor...Thad M. Tupper, 2310 Russell, Berkeley.

COST, \$1900

ALTERATIONS

(937) N LE CONTE 300 W Euclid, Berkeley. Alterations.
Owner.....Alpha Tau Omega, Prem.
Architect...W. C. Hays, 68 Post, S. F.
Day's work. COST, \$800

SCHOOL

(940) E CLAREMONT 200 S Ashby Ave., Berkeley. One-story 8-room school.
Owner.....City of Berkeley.
Architect...James W. Plachek, Acheson Bldg., Berkeley.
Contractor...A. F. Waid, 636 65th, Okd.

COST, \$27,000

ALTERATIONS

(941) E SHATTUCK AVE 100 S Addison, Berkeley. Alter 5-story brick building to hotel.
Owner.....S. F. Investment Syndicate
Architect...Eugene K. Martin, 2192 Shattuck Ave., Berkeley.
Day's work. COST, \$18,000

DWELLING

(942) N WEBSTER 50 W Regent, Berkeley. One-story 5-room dwelling.
Owner.....D. S. Glover, 2445 Webster, Berkeley.
Architect...None.
Day's work. COST, \$1500

ADDITION

(943) NO. 2240 McKINLEY, Berkeley. Addition.
Owner.....Tillie Andrews, Premises.
Architect...None.
Contractor...R. H. McBeth, 1050 Stage Ave., Albany.

COST, \$400

FRAME DWELLING

(946) N DURANT AVE 81.58 W Piedmont Way N 75.58 W 50 S 79.24 E on curve, the radius of which is 1056.33, 50.15, Berkeley. All work except heating, electric wiring, finished hardware, electric fixtures, tile work of mantels and sidewalks and shades for two-story and basement frame dwelling.
Owner.....Frank J. Woodward, 2302 Piedmont Ave., Berkeley.
Architect...Walter D. Reed, Oakland Bk of Savings Bldg., Okd.
Contractor...Cederborg & Anderson, 1023 Poplar, Oakland.
Filed May 20, '15. Dated May 15, '15.
30 days after work commences 75%
Twice a month after that.... 75%
Usual 35 days..... 25%
TOTAL COST, \$7750

Bond, none. Limit, 90 days after May 15. Forfeited, \$5. Plans and specifications filed.

DWELLING

(947) E COLUSA .260 S Joseph, Berkeley. One-story 5-room dwelling.
Owner.....J. S. Hanson.
Architect...None.
Contractor...F. R. Peake Co., 2127 University Ave., Berkeley.

COST, \$2425

Alameda.

No.	Owner	Contractor	Amt.
924	Gianassi	Perona	1525
928	Fortman	Kneppler	1500
929	Same	Same	1500
930	Fountaine	Carlson	1500
931	Peoples Water Co.	Owner	1000
932	Morris	Morris	500
933	Sill	Brown	400

DWELLING

(924) NO. 1539 FOURTH, Alameda. One-story 4-room dwelling.
Owner.....Adelino Gianassi.
Architect...None.
Contractor...John Perona.

COST, \$1525

DWELLING

(928) N PACIFIC AVE 30 W Bay, Alameda. One-story 5-room dwelling.
Owner.....E. D. Fortman 803 Haight Ave., Alameda.
Architect...None.
Contractor...R. W. Kneppler, 606 Haight Ave., Alameda.

COST, \$1500

DWELLING

(929) NW PACIFIC AVE & BAY, Alameda. One-story 5-room dwelling.
Owner.....E. D. Fortman 803 Haight Ave., Alameda.
Architect...None.
Contractor...R. W. Kneppler, 606 Haight Ave., Alameda.

COST, \$1500

DWELLING

(930) NO. 1231 PEARL, Alameda. One-story 5-room dwelling.
Owner.....Mrs. M. H. Fountaine, Premises.
Architect...None.
Contractor...O. M. Carlson, 1456 82nd Ave., Oakland.

COST, \$1500

ALTERATIONS

(934) FERNSIDE BLVD, bet. Fairview and Garfield, Alameda. Alterations.
Owner.....People's Water Co., 9th & Broadway, Oakland.
Architect...Daniels & Wilhelm, Monadnock Bldg., S. F.
Day's work. COST, \$1000

ADDITION

(932) NO. 2136 SAN ANTONIO AVE., Alameda. Addition.
Owner.....T. G. Morris, Premises.
Architect...None.
Day's work. COST, \$500

ADDITION

(933) NO. 200 BUENA VISTA AVE., Alameda. Addition.
Owner.....J. W. Sill, Premises.
Architect...None.
Contractor...C. A. Brown, 2317 Alameda Ave., Alameda.

COST, \$400

NOTICE OF NON-RESPONSIBILITY.

ALAMEDA COUNTY.

April 28, 1915—(1) LOT 64; (2) Ptn Lot 65; (3) Ptn Lot 52 and 53 lying S line drawn parallel to S boundary lines Lots 52 and 53 and distant at L 15 N therefrom, Map Crocker Highlands, Oakland. Alta Piedmont Land Co as to improvements on leased property

OAKLAND FIELD HOUSE BIDS.

Bids were opened by the Oakland Board of Education on Tuesday for the construction of a frame field house from plans by the Superintendent of School Buildings. Following is a list of the bids received:

Oakland Field House.

J. R. Faulkes.....\$ 920
George C. Nall..... 875
A. H. Faust..... 1,110
Koski Bros. 747

NOTICE OF NON-RESPONSIBILITY.

May 20, 1915—SW FOURTEENTH & Broadway S 200xW100, Oakland. Matilda Brown, Annie Moller and Lillian D Powers as to improvements on leased property

COMPLETION NOTICES.

ALAMEDA COUNTY

May 17, 1915—E FORTY-FIRST AVE 520 S Santa Rita, being Lot 40 Blk 8 Map Steinway Terrace, Okd. Charles B Matheny to whom it may concern.....May 15, 1915
May 17, 1915—LOT 6 BLK 1 Map Berkeley Heights, Bkly. E S Page to Louis Engler.....May 15, 1915
May 18, 1915—LOT 19 BLK "M" Northbrae Terrace, Bkly. A J Barclay by N L Brodrick to F R Peake Co.....May 14, 1915
May 18, 1915—LOCATION NOT Given, Okd. Andrew C Bidstrup to whom it may concern...May 12, 1915
May 19, 1915—E BROADWAY 122-4 N Orchard N 71-5 E 91-6 S 65-6 W 25-9 W 74-3, Okd. Mary A Hackett Burrow to Schnebly, Hostrawser & Pedgrift.....May 14, 1915
May 19, 1915—½ LOT 2 BLK 18 Map Broadmoor, San Leandro. Eva E Peppin to whom it may concern.....May 18, 1915
May 19, 1915—NW ROSE AND JOSEPHINE 90x80, Bkly. Gustaf and Sandra Johanson to Gustaf JohansonMay 18, 1915
May 20, 1915—SE FIFTH AVE 130 NE E-21st NE 35 SE 150 SW 15 NW 25 SW 20 NW 125, Okd. W S Hamilton to whom it may concern.....May 15, 1915
May 20, 1915—S 20 LOT 57 and N 15 Lot 53 Blk "C" Map Alton Park, Okd. Edward A Johnson to whom it may concern.....May 15, 1915

LIENS FILED.

ALAMEDA COUNTY.

May 15, 1915—W THIRTEENTH AV 112½ S E-17th S 37½xW 100, Okd. John P Maxwell (Maxwell Hardware Co) vs R E Moore and Ike H Herold\$13.50
May 15, 1915—LOT 36 BLK 4, Melrose

Heights Tract, Okd. A C & V N Smith vs Torrence S Peterson, J A Smilie and H F Tillman...\$34.44
 May 18, 1915—LOT 20 Matthews Tet, Bkly. John P Maxwell (Maxwell Hardware Co), vs Justaff Johanson \$65
 May 18, 1915—E 45 LOTS 16 AND 17 Blk "B" Levinston Tract, Bkly. John P Maxwell (Maxwell Hardware Co) vs Justaff Johanson...\$47.80
 May 18, 1915—LOT 28 BLK 4 Hopkins Terrace No. 4, Bkly. Walter E Schott vs Chas R Roberts.....\$480
 May 19, 1915—LOTS 12 AND 13 BLK "G" Foothill Tract, Okd. O Headington, \$20; Herbert R Parker, \$30.25 vs Torrence S Petersen, T O'Donnell and Childers & Martin
 May 19, 1915—LOT 33 BLK 4, Melrose Heights Tract, Okd. Herbert R Parker, \$41.20; O Headington, \$20 vs Talcott Land Co, Torrence S Petersen and Childers & Martin..
 May 19, 1915—PARK AVE NO 1116, being N 16½ Lot "C" and S 16½ Lot "D" Alameda Park Homestead, Ala. J Van Pelt vs J H and Mary O Heister\$52.95

RELEASE OF LIENS

ALAMEDA COUNTY.

May 22, 1915—LOT 20 and W 25 Lot 19 Blk "Q" Map No. 2 Sbdvn Ptn Central Oakland Tet E Telegraph Ave., Okd. Pacific Fuel & Bldg Material Co to Eugene A Schmidt...\$294.60
 May 18, 1915—S MONTELL 470.5 E Piedmont Ave E 37 S 79 W 48 N 79, Okd. Wm E Andersor to Mildred I Hanrahan et al.....\$121.50

SAN JOSE AND THE SANTA CLARA VALLEY

SEWER WORK—Cost not stated. San Jose, Santa Clara Co., Cal. Engineer, City Engineer, San Jose. Owners, City of San Jose. The City Engineer has been instructed by the City Council to put in a 16-inch sewer on San Antonio street between 7th and 8th streets.

RESIDENCES—1 and 2 story and base, frame. Cost as follows. San Jose, Santa Clara Co., Cal. Architect, none. The following Day Labor jobs are reported as about to be started in San Jose: W. M. Lewis, 14th and San Salvador, seven-room frame dwelling, \$3,000; A De Sinet, 226 Terraine street, one-story, six-room frame cottage, \$2,000; E. D. Wells, 17th and Empire streets, one-story, six-room frame cottage, \$2,000; G. Salaman, Duane and Market streets, one-story, five-room dwelling, \$1,600. Materials for this work are now being purchased.

RESIDENCE—1 story and base, frame, \$5,000. Hillsboro, San Mateo Co., Cal. Architect, Ernest E. Norberg, Bank Bldg., Burlingame. Owner's name withheld. The dwelling will be erected in Hillsboro, and has been designed to contain seven rooms, bath and sleeping porch. Interior finish will be of pine and redwood with some hardwood veneer. Bed rooms will be finished in white enamel. Hardwood floors will be used in the living room, dining room and reception hall. There will be furnace heat and open fire places. Mantels will be of tile or brick. Bath rooms will be finished in

tile. An automatic water heater will be installed. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are now being prepared.

BRIDGE—Reinforced concrete. Cost not stated. Salinas, Monterey Co., Cal. Engineer, County Surveyor Salinas. Owners, Monterey County. Plans have been completed and have received the approval of the Board of Supervisors for the construction of two bridges over the Salinas River. One of these bridges will be erected at Neponset and the other at Macimiento. Bids will be opened on June 8th. Plans are now out for figures and can be secured from the County Clerk.

ROAD CONSTRUCTION—Cost not stated. Redwood City, San Mateo Co., Cal. Engineer, County Surveyor Neuman, Redwood City. Owners, San Mateo County. The County Engineer has been instructed to prepare plans and specifications for road work at Holy Cross. The plans will be presented at the next meeting of the Supervisors, when they will be approved and bids ordered called.

Contracts Awarded.

STREET PAVING—Cost as follows. San Jose, Santa Clara Co., Cal. Engineer, City Engineer, San Jose. Owners, City of San Jose. Contractors, Raisch Improvement Co., S. F., \$11,382.94; Clark & Henry, Stockton, \$10,445.81; Raisch Improvement Co., S. F., \$11,381.37; F. R. Ritchie & Son, San Jose, \$7,286.18; and Raisch Improvement Co., S. F., \$12,336.45.

RESIDENCE—2 story and base, frame, \$3,250. Palo Alto, Santa Clara Co., Cal. Architect, Sidney B. Newsum, Nevada Bank Bldg., S. F. Owner, Miss Elizabeth Gardner. Contractor, D. W. Ross, 415 Frederick street, S. F. Contract price, \$3,250.

BUILDING CONTRACTS

SANTA CLARA COUNTY.

SOCIAL HALL.
 NEAR HEDDING, ELM & EMORY Sts., San Jose. All work except heating and part of foundation for one-story frame social hall.
 Owner.....The College of the Pacific, San Jose.
 Architect...W. J. Wythe, Central Bank Bldg., Oakland.
 Contractor..Johnston Co., S. F.
 Filed May 12, '15. Dated May 6, '15.
 Frame up\$2190
 Enclosed and brown plastered. 2190
 When completed 1290
 Usual 35 days..... 2216
 TOTAL COST, \$8786
 Bond, \$4500. Sureties, J. W. Schouten and J. H. McCallum. Limit, 75 days. Forfeit, \$2 per day. Plans and specifications filed.

FRAME SCHOOL
 N SAN FERNANDO in Race, San Jose.
 All work for one-story frame school building.
 Owner.....Rev. W. H. Culligan, 55 San Fernando, San Jose.
 Architect...C. S. McKenzie, Bank of San Jose Bldg., San Jose.
 Contractor..The San Jose Contract, Mill & Lumber Co., 60 Vine St., San Jose.
 Filed May 14, '15. Dated May 3, '15.
 Frame up\$1228.75
 Shingled and shed frame up. 1228.75

When completed 1228.75
 Usual 35 days..... 1228.75
 TOTAL COST, \$4915.00
 Bond, \$2500. Sureties, O. E. and E. W. Schnabel. Limit, 90 days. Forfeit, none. Plans and specifications filed.

DWELLING
 FOURTEENTH near San Salvador, San Jose. Seven-room dwelling.
 Owner.....W. M. Lewis, Premises.
 Architect...None.
 Day's work. COST, \$3000

COTTAGE
 W S-NINTH near Margaret, San Jose. Six-room cottage.
 Owner.....A. De Sinet, 226 Terraine, San Jose.
 Architect...None.
 Day's work. COST, \$2000

COTTAGE
 SIXTEENTH near Empire, San Jose. Six-room cottage.
 Owner.....E. D. Wells, 17th and Empire, San Jose.
 Architect...None.
 Day's work. COST, \$2000

DWELLING
 SIXTEENTH near Empire, San Jose. Five-room dwelling.
 Owner.....E. D. Wells, 17th near Empire, San Jose.
 Architect...None.
 Day's work. COST, \$2000

COTTAGE
 DUANE AND MARKET, San Jose. Five room cottage.
 Owner.....G. Salaman, Premises.
 Architect...None.
 Day's work. COST, \$1600

COTTAGE
 TWENTY-FIFTH near Barns, San Jose. Four-room cottage.
 Owner.....Anton Silva, Santa Clara.
 Architect...None.
 Contractor..F. Nevins, Santa Clara.
 COST, \$800

ADDITION
 SANTA CLARA near Market, San Jose. Addition.
 Owner.....D. Baumgartner Estate.
 Architect...None.
 Contractor..J. C. Thorpe, Porter Bldg., San Jose.
 COST, \$400

GARAGE
 NO. 345 N-THIRD, San Jose. Garage.
 Owner.....S. G. Tompkins, Premises.
 Architect...Wm. Binder, Rea Bldg., San Jose.
 Contractor..Z. O. Field, 113 W-Santa Clara, San Jose.
 COST, \$400

BUILDING CONTRACTS

SAN MATEO COUNTY.

PAINTING RESIDENCE
 "CAROLANS," Hillsboro. All work for painting residence in course of construction.
 Owner.....Harriett Pullman Carolan, Hillsboro, Cal.
 Architect...Willis Polk & Co., Hobart Bldg., San Francisco.
 Contractor..J. H. Keefe Co., 820 O'Farrell, San Francisco.
 Filed May 18, '15. Dated Mar. 27, '15.
 When completed 75%
 Usual 35 days..... 25%

TOTAL COST, \$4500

Bond, \$2250. Surety, Fidelity & Deposit Co. of Maryland. Limit, June 1, 1915. Forfeit, \$15 per day. Specifications only filed.

GRANITE AND STONE WORK, SETTING and furnishing same on above.
Contractor..Raymond Granite Co., 3 Potrero Ave., S. F.
Filed May 18, '15. Dated May 7, '15.
Payments same as above.....

TOTAL COST, \$3870

Bond, \$1950. Surety, Massachusetts Bonding & Insurance Co. Limit, June 15, 1915. Forfeit, \$10. Specifications only filed.

FRAME RESIDENCE

LOT 26, Taylor Addition to San Mateo. All work for two-story and part basement 7-rooms and bath frame residence.

Owner.....A. Baradat, San Bruno, California.

Architect...Rousseau & Rousseau, 501 French Bank Bldg., S. F.

Contractor...Croop & Keegan, San Mateo, Cal.

Filed May 18, '15. Dated May 17, '15.

Frame up and sheathed.....\$988.75

Brown plastered 988.75

When completed 988.75

Usual 35 days.....1045.75

TOTAL COST, \$4012.00

Bond, \$2000. Sureties, John McCann and Joseph P. Britt. Limit, 60 days. Forfeit, none. Plans and specifications filed.

FRAME BUNGALOW

LOCATION NOT GIVEN, Burlingame. All work for frame bungalow.

Owner.....T. H. Bolen, Burlingame.

Designer...Hugh O. Elliott.

Contractor...Hugh O. Elliott, Burlingame, Cal.

Filed May 18, '15. Dated May 15, '15.

As work progresses..... 75%
— days after..... 25%

TOTAL COST, \$1845

Bond, none. Limit, 90 working days. Forfeit, none. Plans and specifications filed.

COMPLETION NOTICES

SANTA CLARA COUNTY.

RECORDED ACCEPTED

May 10, 1915—TOWN OF MOUNTAIN View, Hight School Grounds. Mt. View School Trustees to Gott & Dewar.....May 3, 1915

May 11, 1915—LOT 12 BLK 32 Naglee Park Tract, San Jose. T E Smith to whom it may concern..May 10, 1915

May 10, 1915—SE SEVENTH AND Santa Clara, San Jose. H H Madsen.. to J C Thorpe.....May 3, 1915

May 15, 1915—LOT 5 of H A Marckres Sbdvn of Lot 8 Blk 4 Range 9, San Jose. T H Birket to E L SeaghtMay 15, 1915

May 15, 1915—E FOURTEENTH nr Empire, San Jose. A J Laidrich to S G Pelton.....May 14, 1915

RELEASE OF LIENS

SAN MATEO COUNTY.

RECORDED AMOUNT

May 14, 1915—HIGHLAND AVE, bet Howard and Peninsular, Burlingame. G W McGinn & Co to D J Douglas\$219.57

COMPLETION NOTICES

SAN MATEO COUNTY.

RECORDED ACCEPTED

May 13, 1915—"CAROLANDS," Hills-boro. Harriet Pullman Carolan to Sunset Constr Co. (Contract filed Dec. 4, 1914).....May 10, 1915

May 13, 1915—"CAROLANDS," Hills-boro. Harriett Pullman Carolan to Sunset Constr Co (Contract filed July 31, 1914).....May 10, 1915

May 13, 1915—LOTS 4 AND 9 BLK 6 Town of San Mateo. Elks' Club of San Mateo to W S Leadley.....May 12, 1915

May 14, 1915—LOT 25, Laurel Terrace Redwood City. Franklin Swart to Charles Miller.....May —, 1915

May 18, 1915—LOT 6 BLK 19, Resbdvn of Dingee Park, San Mateo. H H Putnam to whom it may concernMay 18, 1915

May 19, 1915—LOT 19 BLK 20, Crocker Estate Tract, San Mateo. Arthur G Duncan to L L Allen and C Knight.....May 18, 1915

MARIN, CONTRA COSTA AND SONOMA COUNTIES

RETAINING WALL—Reinforced concrete. Cost not stated. Vacaville, Solano Co., Cal. Engineer, City Engineer, Vacaville. Owners, City of Vacaville. Plans have been completed for the construction of a reinforced concrete retaining wall which is to be erected along the lot line of the Vacaville High School. Plans are now out for figures. Bids will be opened on June 1st. Plans and specifications can be secured from the City Engineer at Vacaville.

BRIDGE—Reinforced concrete. Cost not stated. Sonoma, Sonoma Co., Cal. Engineer, County Surveyor, Santa Rosa. Owners, Sonoma County. Plans have been completed and are now out for figures for the construction of a reinforced concrete and steel bridge, which is to be erected across Dry Creek at Lambert Crossing. Bids for this work can be secured from the office of the County Surveyor or the County Clerk. W. W. Felt, Jr., is the County Clerk.

BRIDGE—Reinforced concrete. Cost not stated. Santa Rosa, Sonoma Co., Cal. Engineer, County Surveyor, Santa Rosa. Owners, Sonoma County. Contractors, The Call Construction Co. Contract price not stated. The contract covers the erection of a bridge over Melitta Creek.

BUNGALOW—1½ story and base, frame, \$3,500. Mill Valley, Marin Co., Cal. Architects, Falch & Knoll, Hearst Bldg., S. F. Owner, Mrs. Quedness. The dwelling has been designed to contain six rooms, bath and sleeping porch. Interior finish will be of pine and hardwood. White enamel will be used in the bed rooms. Some oak floors are specified. There will be an open fire place with a brick mantel. Bath rooms will be finished in tile. An automatic water heater is specified. Exterior of the dwelling will be covered with rustic and shingles. Plans are complete and figures are now being taken.

STREET WORK—Cost not stated. Santa Rosa, Sonoma Co., Cal. Engineer, City Engineer, Santa Rosa. Owners, City of Santa Rosa. Considerable

street work was ordered at a recent meeting of the City Council of Santa Rosa. Action will be taken by the Council at their next meeting to provide for the installation of curbs and gutters on Benton, Davis, Ellis, Chinn, Cherry, Fourth, Ninth, Second, Tupper and Tenth streets. Similar action was taken in regard to sidewalks on Ripley, Ninth and Tenth streets. A resolution of intention to curb and gutter College avenue, Carrilla and Lincoln streets was ordered prepared. Plans and specifications for the grading and surfacing of Railroad avenue, from Third street to the bank of the Santa Rosa Creek, were adopted. Bids on this work will be called for at the next meeting.

STREET WORK AND CONCRETE FLUE. Cost not stated. Martinez, Contra Costa Co., Cal. Engineer, City Engineer E. C. Brown, Martinez. Owners, City of Martinez. Plans and specifications prepared by City Engineer E. C. Brown for the straightening out of Alhambra Creek where it crosses Ferry street, and the construction of a concrete arch in place of the present bridge, are now in the hands of the City Trustees. The construction of a concrete flue, 120 feet long and costing \$9,000 will also be included in the work. Final action will be taken at the next meeting of the Board.

STREET PAVING—Cost not stated. Richmond, Contra Costa Co., Cal. Engineer, City Engineer, Richmond. Owners, City of Richmond. Plans and specifications for the improvement of Tenth street, from Barrett to Pennsylvania, have been approved by the City Council and bids will soon be called for. The improvement will consist of a bitulithic wearing surface.

BANK—2 story and base, concrete and stone, \$12,000. Martinez, Contra Costa Co., Cal. Architect, A. A. Cantin, Foxcroft Bldg., S. F. Owners, Bank of Martinez. Sixteen sets of bids were received for the construction of this building. The low figure came from Harvey A. Klyce at \$11,564. Mr. Klyce was awarded the contract. A complete list of the bids as received will be found under the heading of Marin, Contra Costa and Sonoma Counties in this issue.

SCHOOL ADDITION AND ALTERATION—1 story and base, frame. Cost not stated. Benicia, Contra Costa Co., Cal. Architect, Henry C. Smith, Humboldt Bank Bldg., S. F. Owners, Benicia School District. Plans have been completed and figures are now being taken for extensive alterations and additions to the present grammar school building. Bids for this work, which includes interior partition work, mill work, plumbing, electric work and fixtures, are now being taken. Bids will be opened on May 31st at 8 p. m. Plans and specifications can be secured from the architect.

GYMNASIUM ADDITION—1 story, brick, \$4,040. Fort Baker, Marin Co., Cal. Architect, Constructing Quartermaster, Fort Mason. Owners, United States Government. Under bids opened for this work, Harvey A. Klyce of San Francisco submitted the lowest figure. He will probably be awarded the work.

SCHOOL—2 story and base, brick and concrete, \$40,000. Suisun, Solano Co., Cal. Architect, Henry C. Smith, Humboldt Bank Bldg., S. F. Owners,

Crystal Springs School District. The building has been designed to contain eight class rooms and a large auditorium. Interior will be finished in pine and will have maple floors in the class rooms. Steam heat, an oil burning system, modern school plumbing and vacuum cleaning will be installed. Exterior of the building will be faced with pressed brick and cement plaster. Plans are now being prepared.

Award Contract On Martinez Bank Job.

Harvey A. Klyce Will Build New
Building Designed by Architect A.
A. Cantin of San Francisco.

Sixteen sets of bids were received for the construction of the new two-story and basement brick and stone bank building, designed by Architect A. A. Cantin, Foxcroft Bldg., and which is to be erected in Martinez for the Bank of Martinez. Harvey A. Klyce of San Francisco submitted the lowest bid at \$11,554 and was awarded the contract. Following is a list of the bids received:

Martinez Bank Building.

J. W. Cobby.....	\$12,975
Robert Glaze	13,998
W. D. Henderson.....	12,887
Harvey A. Klyce.....	11,554
Van Sant-Houghton	13,940
Northwest Constr. Co.....	12,678
Fletter & Windlund.....	12,982
Gaspard & Hammond.....	12,987
Charles H. Ludden.....	11,768
George H. Bulger.....	12,757
Hoadley	13,958
McNamara & Nielson.....	13,231
Gutleben Bros.	12,754
H. C. Mathies.....	13,160
E. T. Thurston.....	13,900
Carl E. Overa	13,680

BUILDING CONTRACTS

MARIN COUNTY.

BUILDING

YOLAND STATION, San Anselmo. All work for one-story and basement building.

Owner.....Anselme Longet and wife,
75 John, San Francisco.

Architect ..L. Salanave, 931 Pacific
Street, San Francisco.

Contractor..Jean Salanave, S. F.

Filed May 17, '15. Dated May 15, '15.

Ready for roof.....	\$625
Rough plastered	625
When accepted	625
Usual 35 days.....	625

TOTAL COST, \$2500

Bond, none. Limit, 60 working days.
Forfeit, none. Plans and specifications
filed.

BUILDING CONTRACTS

CONTRA COSTA COUNTY.

COTTAGES ETC.

PUMPING STATION NO. 10 SEC. 8, 21
S, R 3 E, Mt. D. B. Mer. at Byron; No.
11, Sec 34, 21 N, R 1 E, Mt. D. B., Mer.
Brentwood, Cal. All work for three
cottages and one dormitory at each
of above pumping stations.

Owner.....Valley Pipe Line Co.

Architect ..None.

Contractor..Hudson & Shaw.

Filed May 14, '15. Dated Feb. 1, '15.

Purchaser shall pay contractor 50%
of value of work as shown by such
estimate upon presentation of esti-
mate and certificate; 35% thereof
30 days thereafter and remaining
15% 35 days after final completion

TOTAL COST, \$14,727.33

Bond, \$7,363.67. Sureties, John Barne-
son and William H. Wise. Limit,
none. Forfeit, none. Plans and speci-
fications filed.

LIENS FILED.

MARIN COUNTY.

RECORDED	AMOUNT
May 13, 1915—MILL VALLEY. Mill Valley Lumber Co vs William H A Reimann	\$332.12

FRESNO, MODESTO STANISLAUS AND CENTRAL CALIFORNIA

STREET PAVING, ETC.—Cost not
stated. Fresno, Fresno Co., Cal. En-
gineer, City Engineer, Fresno. Owners,
City of Fresno. The City Engineer has
been instructed by the City Council to
prepare plans and specifications for
the paving of P street from Stanislaus
to San Benito, substituting crushed
rock and the "Topeka top" for the
present street asphaltum top. At the
same meeting the Council went on re-
cord as being in favor of asphalt paving
on C street, instead of macadam, and
the matter of ordering plans for the
work will come up before the next
meeting.

FURNISHING CEMENT—Cost as fol-
lows. Bakersfield, Kern Co., Cal. En-
gineer, County Surveyor, Bakersfield.
Owners, Kern County. Bids opened by
the County Supervisors for furnishing
the County of Kern with 90,000 barrels
of cement are as follows: The County
of Los Angeles offered the cement at
\$1.75 per barrel f. o. b. Monolith, with
10 cents allowed for each sack re-
turned. The Union Lime Co. bid \$1.87
per barrel f. o. b. Oro Grande, Cal., with
10 cents allowed for each sack re-
turned. The Santa Cruz Portland Ce-
ment Co. bid from \$2.77 to \$2.83 per
barrel f. o. b. Kern County points. A
contract will be awarded by the Board
at their meeting next Monday.

STREET PAVING—Cost not stated.
Bakersfield, Kern Co., Cal. Engineer,
City Engineer, Bakersfield. Owners,
City of Bakersfield. Plans have been
completed for paving several streets
with a concrete base and sheet asphalt
wearing top. Also for the construc-
tion of concrete curbs and cement side-
walks. Bids are now being taken for
the work and will be opened on June
2nd. Plans and specifications can be
secured from the City Clerk.

COURT HOUSE INTERIOR MILL
WORK—Cost not stated. Bakersfield,
Kern Co., Cal. Architect, none. Own-
ers, Kern County. Plans are complete
and have been turned over to the Coun-
ty Clerk at Bakersfield for the con-
struction of new counters and office
fixtures in the office of the County Tax
Collector. Bids on the work are now
being taken and figures will be opened
on June 9th.

COUNTY EXHIBIT BUILDING — 1
story, brick. Cost not stated. Fresno,
Fresno Co., Cal. Architect, County
Surveyor Scott McKay, Fresno. Own-
ers, Fresno County. Plans have been
completed for a one-story exhibit

building to be erected on the County
Fair Grounds. The building will be
known as exhibit building No. 2. Bids
are now being taken for this work and
will be opened by the Board of Super-
visors on June 8th. Plans and speci-
fications can be secured from the office
of the County Surveyor.

RAILROAD STATION — 1 story,
frame and brick, \$10,000. Turlock,
Stanislaus Co., Cal. Architect, Engi-
neering Department Southern Pacific
Co., Flood Bldg., S. F. Owners, South-
ern Pacific Co. Plans for this building,
which has been mentioned here a
number of times before, have been
completed and approved by the State
Railroad Commission. The building
will contain two waiting rooms, bag-
gage and express office and agent's
office. Interior will be finished in pine
with cement floors. A central heating
system will be installed. Exterior of
the building will be faced with pressed
brick veneer. Bids will be called for
at once.

RESIDENCE — 1 story and base,
frame, \$2,000. Fresno, Fresno Co., Cal.
Architect, none. Owner, E. N. Kaufeld,
Fresno. The dwelling will contain
five rooms and bath. Interior will be
finished in pine and redwood. Some
hardwood floors will be used. There
will be an open fire place and tile
mantel. Exterior will be covered with
rustic and cement plaster on meta-
lath. Plans are complete and in the
hands of the owner who will do the
work by Day Labor.

STREET LIGHTING SYSTEM—Cost
not stated. Riverbank, Stanislaus Co.,
Cal. Engineer, Electric & Machine
Co., Riverbank. Owners, Town of
Riverbank. Bids will be received up
to June 15th for furnishing and in-
stalling all materials for a street light-
ing system in accordance with plans
and specifications. Plans can be se-
cured from the office of the Town
Clerk at Riverbank.

RESIDENCE — 2 story and base,
frame, \$6,000. Fresno, Fresno Co., Cal.
Architects, Coates & Traver, Head
Bldg., S. F., and Rowell Bldg., Fresno.
Owner, Louis M. Mendelsoln. The
dwelling will be erected on Van Ness
avenue near Verde street, and has
been designed for an eight-room house
with bath and sleeping porch. Interior
will be finished in pine and hardwood
with white enamel in the bed rooms.
Hardwood floors will be used in the
living room, dining room and recep-
tion hall. Plans provide for furnace
heat and open fire places. Mantels
will be of tile or brick. Bath room
will have tile floor and wainscot. An
automatic water heater will be in-
stalled. Exterior of the house will be
covered with cement plaster on metal
lath. Plans are now being prepared.

SCHOOL—1 story and base, brick,
\$8,000. Cutler, Tulare Co., Cal. Archi-
tects, Bowen & Davis, McKenzie Bldg.,
Fresno. Owners, Cutler School Dis-
trict. The building will contain class
rooms and an assembly hall. Interior
will be finished in pine with maple
floors. A central heating system and
modern school plumbing will be used.
Exterior of the building will be faced
with pressed brick. Plans are now
being prepared.

Contracts Awarded.

PIPE LINE CONSTRUCTION—Cost
not stated. Bakersfield, Kern Co., Cal.

Engineers name not given. Owners, California Natural Gas Co. Contractors, Virginia Pipe Line Contracting Co., Bakersfield. Contract price not stated. The contract covers the construction of a pipe line from the Midway District to the Standard Oil Co.'s works, a distance of 25 miles.

BUILDING CONTRACTS

FRESNO COUNTY.

GARAGE

LOTS 17 TO 20 BLK 97, Fresno. Two-story reinforced concrete garage.
Owner.....J. C. Phelan, 1412-16 I St., Fresno.
Architect...Eugene Mathewson, Forsyth Bldg., Fresno.
Contractor..Trewwhitt-Shields Co., 435 Rowell Bldg., Fresno
COST, \$41,000

ALTERATIONS

LOTS 51 AND 52 BLK 1, Van Ness Park Fresno. Alterations and repairs.
Owner.....Lewis H. Smith, 229 Forsyth Bldg., Fresno.
Architect...C. K. Kirby Jr., 147 Forsyth Bldg., Fresno.
Day's work. COST, \$5500

DWELLING

LOCATION NOT GIVEN, Fresno. All work for dwelling.
Owner.....Jos. Marrachi.
Architect...None.
Contractor..J. L. Daly.
COST, \$5500

REPAIRS

NO. 226 BELMONT AVE., Fresno. Repairs.
Owner.....J. H. Suhre, Premises.
Architect...None.
Day's work. COST, \$600

FRAME APARTMENTS

LOTS 28 AND 29 E ½ Lot 30 Blk 11, College Addition, Fresno. All work except plumbing for two-story and basement frame apartment house.
Owner.....A. E. Pickford.
Architect...None.
Contractor..Norris & Wallace.
Filed May 19, '15. Dated May 18, '15.
1st floor joists in.....\$921.45
2nd floor joists in..... 921.45
Roof on 921.45
Plastered 921.45
Completed 921.45
Usual 35 days.....1535.75
TOTAL COST, \$6134.00
Bond, \$3071.50. Surety, Southwestern Surety Co. Limit, 90 days. Forfeit, none. Plans and specifications filed.

PLUMBING ON ABOVE.

Contractor..T. Anderson.
Filed May 19, '15. Dated May 18, '15.
When completed\$1300
TOTAL COST, \$1300
Bond, \$500. Surety, Southwestern Insurance Co. Limit, 90 days. Forfeit, none. Plans and specifications filed.

HEATING PLANT

M AND STANISLAUS STS., Fresno. Heating plant in apartment house.
Owner.....R. Woffard et al.
Architect...J. C. Thayer, 349 Forsyth Bldg., Fresno.
Contractor..Guy-Werner Co.
Filed May 18, '15. Dated May 4, '15.
Roughing completed\$200

Usual 35 days.....Balance
TOTAL COST, \$625
Bond, none. Limit, June 1, 1915. Forfeit, none. Plans and specifications filed.

BRICK BUILDING

LOTS 6 AND 7 Ptn Lots 1 to 5 Blk 95, Tulare and L Sts., Fresno. All work for two-story brick building.
Owner.....F. M. Roessler.
Architect...Frederick L. Swartz, Rowell Bldg., Fresno.
Contractor..Frank Rehorn, 1050 S St., Fresno.
Filed May 15, '15. Dated May 15, '15.
On 10th of each month..... 75%
36 days after..... 25%
TOTAL COST, \$62,800
Bond, \$32,000. Surety, D. S. Ewing. Limit, Nov. 1, 1915. Forfeit, \$20. Plans and specifications, none.

DWELLING

LOTS 5, 6 BLK 3; Sunset Add'n, Fresno. Dwelling.
Owner.....Geo. L. Johnson, 206 Forthcamp, Fresno.
Architect...None.
Contractor..Varnell, Garges & Holland
COST, \$2800

REPAIRS

NO. 430 VAN NESS AVE., Fresno. Repairs.
Owner.....Mrs. Seagraves.
Architect...None.
Contractor..W. C. Wiles, 1637 J St., Fresno.
COST, \$3000

DWELLING

LOT 4 BLK 5 Cedar Park, Fresno. Dwelling.
Owner.....E. M. Kaufield.
Architect...None.
Day's work. COST, \$1900

DWELLING

LOT 2 BLK 23 Alta Vista, Fresno. Dwelling.
Owner.....Foster C. Wilson, 2321 Hills, Fresno.
Architect...None.
Day's work. COST, \$1700

COMPLETION NOTICES.

FRESNO COUNTY.

RECORDED

May 18, 1915—LOTS 6, 7, 8 BLK 2 Forthcamp Add'n No. 2, Fresno. Mrs B C Burks to Norris & WallaceMay 4, 1915
May 19, 1915—LOTS 16 AND 17 BLK 1 Avondale, Fresno. Geo B Graham to whom it may concern.....May 9, 1915
May 17, 1915—LOTS 7 AND 8 BLK 4 Stratford Place, Fresno. R R Landon to whom it may concern.....May 15, 1915

ACCEPTED

LIENS FILED.

FRESNO COUNTY.

RECORDED

May 17, 1915—NW ¼ OF SE ¼ OF Sec 24-16-19, Fresno. J H Jarnagin vs J W Knight.....\$196
May 14, 1915—LOT 32 Bloomington Park Tract, Fresno. M E Summers vs H A Allen.....\$145
May 17, 1915—LOT 32 BLK 1, except

S 275 feet, Bloomington Park Tct, Fresno. Valley Hardware Co vs H A Allen and F J Craycroft....\$96
May 19, 1915—PTN LAT 32 Bloomington Park Tct., Fresno. Swastika Lumber Co vs H A Allen.....\$196

SACRAMENTO, STOCKTON AND NORTHERN CALIFORNIA.

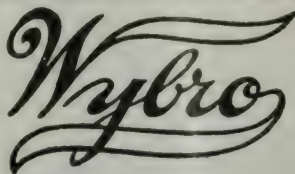
COURT HOUSE PAINTING—Cost not stated. Stockton, San Joaquin Co., Cal. Architect, none. Owners, San Joaquin County. Bids will be opened on June 8th at 10 a. m. for painting the County Court House at Stockton. Further information can be secured from the County Clerk.

LODGE HALL—2 story and base, brick and terra cotta, \$20,000. East Auburn, Placer Co., Cal. Architect, Allen D. Fellows, East Auburn. Owners, Auburn Masonic Hall Association. Plans are complete and figures are now being taken for the construction of a two-story lodge hall for the Masonic Order at East Auburn. Considerable work has already been done on the first story of this building. Contractors desiring to figure the work should visit the site and fully acquaint themselves with the requirements. It is the intention of the organization to let a general contract for the balance of the building. Included in the work will be steam heat, an elevator and hardwood interior finish. The exterior of the building will be faced with pressed brick and terra cotta. Complete plans and specifications can be secured from the architect. Subcontractors wishing to submit figures will consult Architect Fellows.

SEWER WORK—Cost not stated. Marysville, Yuba Co., Cal. Engineer, City Engineer, Marysville. Owners, City of Marysville. At the last meeting of the City Council the City Engineer was instructed to prepare plans and specifications for the extension of the sewerage system in this city. The specifications for the work will be presented to the Council in about two weeks. W. H. Meek is the City Engineer at Marysville.

RESIDENCE — 1 story and base, frame, \$2,000. Sacramento, Cal. Architect, none. Owner, Burton H. Bill, 3215 4th avenue, Sacramento. The dwelling will be erected in Marshall Court, and has been designed to contain 5 rooms and bath. Interior finish will be of pine throughout. Some oak floors will be used. There will be an open fire place with tile mantel. Exterior of the dwelling will be covered with rustic and cement plaster. Plans are in the hands of the owner and the work will be done by Day Labor.

SCHOOL—2 story and base, frame and brick. Cost as follows. Woodland, Yolo Co., Cal. Architect, W. H. Weeks, 75 Post street, S. F. Owner, City of Woodland. Curson & Keen of Woodland have been awarded the contract for the construction of the primary school on their bid of \$23,850. Harvey A. Klyce of San Francisco and Robert Trost of San Francisco submitted the two lowest figures for the general construction of the grammar school building. It is understood that these bids run in the neighborhood of \$70,000. A contract for the work has not been officially awarded.



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COMPLETION OF GRAVITY BURNING PLANT FOR SCHOOLS—Cost not stated. Stockton, San Joaquin Co., Cal. Architect, none. Owners, City of Stockton. Plans are complete and figures are now being taken for furnishing the labor and materials to complete certain distillate, 23 or 24 gravity, oil burning plants for three of the new Stockton schools. Complete information can be secured from the superintendent of schools in the High School building at Stockton. Bids will be opened on June 2nd at 8 p. m.

FLATS—2 story and base, frame, \$6,000. Stockton, San Joaquin Co., Cal. Architect, Franklin E. Warner, San

Joaquin Bldg., Stockton. Owner, C. A. Eldridge. The building will be erected on West Poplar avenue near Harri- eight modern flats. Interiors will be finished in pine and redwood with some hardwood veneer. Hardwood floors will be used in the living and dining rooms. There will be open fire places and tile or brick mantels. Bath rooms will be finished in tile. Wall beds are specified. Automatic water heaters will be installed. Exterior of the building will be covered with rustic. Plans are now being prepared.

Contracts Awarded.

BRIDGE—Reinforced concrete and steel. Cost not stated. Auburn, Placer

son, and has been designed to contain Co., Cal. Engineer, County Surveyor, Auburn. Owners, Placer County. Contractors, Jenkins & Wells, Sacramento. Contract price not stated. This contract covers the construction of the Bear River bridge. At the same meeting of the Board of Supervisors a contract for furnishing the county with cement was awarded to the Pacific Portland Cement Co. of San Francisco. The contract price is not stated.

TRUNK LINE SEWER—\$104,494.10. Sacramento, Cal. Engineer, City Engineer, Sacramento. Owners, City of Sacramento. Contractors, James Kennedy Construction Co., Los Angeles. Contract price, \$104,494.10. This contract covers the construction of Unit No. 5 of the Trunk Line Sewer.

STREET PAVING—Cost not stated. Stockton, San Joaquin Co., Cal. Engineer, City Engineer, Stockton. Owners, City of Stockton. The contract recently awarded to A. Teichert & Son of Sacramento for doing street work amounting to \$27,000 in this city, has been re-awarded to Tumelty & Bishop of Stockton. The street work to be done is in the northern part of the city.

SCHOOL—1 story, frame, \$2,875. Chico, Butte Co., Cal. Architect, State Architect George B. McDougall, Sacramento. Owners, State of California. Contractor, C. E. Johnson, Chico. Contract price, \$2,875.

BUILDING CONTRACTS

SACRAMENTO COUNTY.

FINISH BASEMENT

NO. 323 O ST (rear) on E ½ of N ¼ Lot 6, N. O. 3rd and 4th Sts., Sacramento. Finish basement in residence.

Owner.....Domenica Moresi.

Architect...None.

Contractor...Peter Leoni, 1330 V St., Sacramento.

COST, \$600

FRAME RESIDENCE

NO. 1341 D ST., on Lot 116 Casa Loma Terrace, Sacramento. One-story 5-room frame residence.

Owner.....W. D. McKoy, 3029 E St., Sacramento.

Architect...None.

Day's work.

COST, \$400

RESIDENCE

LOT 9 Marshall Court fronting on Marshall St., Sacramento. One-story 5-room residence.

Owner.....Burton H. Bill, 3215 4th Ave., Sacramento.

Architect...None.

Day's work.

COST, \$1500

REMODEL STORE, ETC.

NO. 530 TWELFTH ST., on S ¼ of W ¼ Lot 5 Blk E, F, 11th and 12th Sts., Sacramento. Remodel store into butcher shop.

Owner.....S. H. Farley Estate, Sacramento, P. V. Amich, Lessee, 1815 J St., Sacramento.

Architect...None.

Contractor..W. J. Montgomery, 2211 H St., Sacramento.

COST, \$500

REMODEL DINING ROOM

NO. 910 H ST., Lots 1 and 2 Blk H, I, 9th and 10th Sts., Sacramento. Remodel dining room in boarding house.

Owner.....Placer Investment Co., 817 J St., Mrs. J. Joy, Lessee.

Architect...None.

Contractor..Wright & Kimbrough Bldg Department.

COST, \$300

NO. 424 M ST., on E ½ of Lot 3, M, N, 4th and 5th Sts., Sacramento. Remodel frame and brick store building.

Owner.....J. C. Churchill, Premises. Architect...None.

Contractor..Chas. A. Vanina, 2022 M St., Sacramento.

COST, \$600

BUILDING CONTRACTS

SAN JOAQUIN COUNTY.

RESIDENCE AND GARAGE

LOT 19 BLK "F," Bours Park, Stockton. All work for two-story frame residence and garage.

Owner.....Nancy E. Walters, Stockton.

Architect...Walter King, San Joaquin Bldg., Stockton.

Contractor..D. M. & John H. Sinnett, Stockton.

Filed May 13, '15. Dated May 11, '15.

Frame up\$1355

Plastering done 1355

Building accepted 1355

Usual 35 days..... 1355

TOTAL COST, \$5420

Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications filed.

COMPLETION NOTICES

SACRAMENTO COUNTY.

RECORDED ACCEPTED

May 15, 1915—W ½ OF LOT 7, G, H,

13th and 14th Sts., Sacramento.

Rosa A Lindner and Laurinda

Starling to John M F Morrill....

.....May 14, 1915

COMPLETION NOTICES

SAN JOAQUIN COUNTY.

RECORDED ACCEPTED

May 17, 1915—NW SUTTER & MAIN

Stockton. Commercial & Savings

Bank to D N & E Walter & Co....

.....May 11, 1915

May 17, 1915—SW SCHOOL & PINE,

Lodi. Lodi Investment Co to

Rishard Grahman.....May 15, 1915

May 12, 1915—SW SCHOOL & PINE

Streets, Lodi. Lodi Investment Co

to Ernest Green, May 6, 1915; Ar-

thur and Thomas Hateley.....

.....April 26, 1915

LOS ANGELES AND SOUTHERN CALIFORNIA

BRIDGE—Reinforced concrete, \$75,000. San Bernardino, San Bernardino Co., Sal. Engineer, County Surveyor James Sourwine. Owners, San Bernardino County. The State has approved the plans for the construction of the Colorado bridge and County Engineer James Sourwine is now on his way to Washington with the plans. It is expected to have the bridge under construction by July 1st. The Government will appropriate \$25,000 of the total cost of construction.

WAREHOUSE—6 story and base, reinforced concrete. Cost not stated. Los Angeles, Cal. Architect, Homer Hamlin, City Harbor Engineer, L. A. Owners, City of Los Angeles. The building will be erected on the city waterfront and will be under the direction of the Harbor Commission. The structure will cover a ground area of 152 by 180 feet, and will be fireproof. There will be reinforced concrete walls, floors and roof slabs. Interior partitions will be of hollow tile. Six elevators, automatic sprinkler system and automatic fire doors will be installed. Plans provide for metal window sash and frames. Exterior of the building will be faced with cement plaster. Plans are now being prepared.

WAREHOUSE—2 story and base, hollow tile construction, \$25,000. San Fernando, Los Angeles Co., Cal. Architect, Herbert A. Hamm, 100 North Daisy street, Lamanda Park, L. A. Owners, San Fernando Lemon Association. The building will cover an area of 200 by 200 feet. There will be pine trim, hollow tile partitions, modern plumbing and electric work. Specially constructed sash and frames will be used. Exterior of the building will be covered with cement plaster. Plans are complete and figures are now being taken.

MASONIC TEMPLE—2 story and base, brick. Cost not stated. Los Angeles, Cal. Architects, Tuttle & Angel, Delta Bldg., L. A. Owners, Mispah Masonic Temple Association. The building will be erected at the corner of Pico and Hoover streets, covering an area of 42 by 116 feet. The main floor will be arranged for a banquet hall, ball room, ladies' and gentlemen's parlors, kitchen and service rooms. Upper floor will contain a large lodge room, ante rooms and card rooms. Interior will be finished in pine and hardwood with special decorations. Hardwood floors will be used. There will be a central heating system and hot water system. Exterior of the building will be faced with pressed brick. Plans are now being prepared.

LIBRARY—1 story and base, hollow tile construction, \$35,000. Los Angeles, Cal. Architect, W. J. Dodge, Marsh-Strong Bldg., L. A. Owners, City of Los Angeles. The building will be erected at the corner of First and Channel streets, and will cover an area of 100 by 80 feet. There will be general reading rooms, stack rooms and offices. Interior will be finished in pine and hardwood with maple floors. A central heating system, vacuum cleaning and metal window sash and frames will be installed. Metal book stacks are specified. Exterior of the

building will be faced with pressed brick. Working drawings are nearly complete and figures will be called for shortly.

RESIDENCE — 2 story and base, brick and tile, \$30,000. Santa Barbara, Santa Barbara Co., Cal. Architect, A. H. Stibolt, 1243 Valley View Road, L. A. Owner, J. Brittigsam Brison, Pittsburgh, Pa. The dwelling has been designed for a large country home, and will contain eighteen rooms, several baths, a conservatory and sleeping porches. Extensive improvements will be made to the grounds, including garage and stables. Interior of the dwelling will be finished in pine, hardwood and white enamel. Hardwood floors will be used in the principal rooms. A central heating system, either steam or hot water, will be installed. Bath rooms will be finished in tile. Vacuum cleaning and a hot water circulating system will be installed. Exterior of the dwelling will be covered with cement plaster. Plans are now being prepared.

RESIDENCE — 2 story and base, hollow tile. Cost not stated. Oak Knoll, Los Angeles Co., Cal. Architects, Marston & Van Pelt, Chamber of Commerce Bldg., Pasadena. Owner, W. K. Jewett. The dwelling will be erected on a large lot on the Arden Road, and will contain fourteen rooms and five baths. Interior finish will be of pine, hardwoods and white enamel. Hardwood floors will be used in the principal rooms. There will be a central heating system and open fire places. Mantels will be of tile and brick. Vacuum cleaning and a hot water circulating system will be installed. Bath rooms will be finished in tile. Exterior of the house will be faced with cement plaster. Plans are complete and figures are being taken.

HOTEL AND STORES—3 story and base, brick and steel, \$150,000. Santa Ana, Orange Co., Cal. Architect, John J. Frauenfelder, Story Bldg., L. A. Owners, J. S. Jackman and J. P. Baumgartner. The building will be erected on North Main street, and will cover a large ground area. Besides the hotel office and lobby the first floor will be arranged for six modern stores. Upper two floors will contain a total of 120 guest rooms, a large percentage of which will have private baths. Interior finish will be of pine and hardwood. There will be steam heat, a hot water system and metal window sash and frames. Patent store fronts will be used. Bath rooms will be finished in tile. Exterior of the building will be faced with pressed brick. Plans are now being prepared.

SCHOOL—2 story and base, brick. Cost not stated. Los Angeles, Cal. Architect, School Department, Security Bldg., L. A. Owners, City of Los Angeles. The building will be erected on Cligord avenue, and will cover an area of 102 by 91 feet. There will be nine class rooms and an auditorium. Interior will be finished in pine with maple floors in the class rooms. Modern school plumbing, a vacuum cleaning system and program clocks will be installed. A steam heating system is specified. Exterior of the building will be faced with pressed brick. Plans are complete and figures are being taken. Bids will be opened on May 29th.

SCHOOL—2 story and base, brick and concrete, \$125,000. Los Angeles, Cal. Architects, Hunt & Burns, Laughlin Bldg., L. A. Owners, City of Los Angeles. The building will be erected at the corner of First and Vermont avenues, covering an area of 224 by 144 feet, with a separate gymnasium, covering 55 by 80 feet. There will be 30 class rooms devoted to the purpose of the intermediate grades, study hall, library, principal's office, hospital and rest rooms. Interior will be finished in pine with maple floors. There will be steam heat, vacuum cleaning and program clocks. Concrete corridors and stairways are specified. Exterior of the building will be faced with ruffled brick and artificial stone trimmings. Plans are complete and out for figures. Bids will be opened on June 19th. Plans and specifications can be secured from the offices of the secretary of the Board of Education in the Security Bldg.

Contracts Awarded.

SCHOOL—3 story and base, brick, \$102,760. Redondo, Los Angeles Co., Cal. Architects, Allison & Allison, Hibernian Bldg., L. A. Owners, Redondo Union High School District. Contractors, Los Angeles Planing Mill Co., 1812 Industrial street, L. A., general construction, \$102,760. E. O. Nay Co., Pasadena, heating and ventilating, \$10,140. J. T. Newell, 136 West 17th street, L. A., plumbing, \$5,560.

PORTLAND AND OREGON

BANK—3 story and base. Class A construction, \$400,000. Portland, Ore. Architects, Shoppley & Coolidge, Boston. Owners, First National Bank of Portland. The building will be erected on the southwest corner of 5th and Stark streets, and will cover a considerable ground area. The design is in the classis style. Construction will be of the class A type, with a complete steel frame and exterior of marble, granite and terra cotta. Although complete plans have not yet been received in Portland, construction has already been started. Foundation work and excavating is nearly complete. Further information on this work will be given on the receipt of plans and specifications in Portland.

COURT HOUSE—3 story and base, reinforced concrete, \$150,000. Grants Pass, Ore. Architect, E. E. McClaran, Portland. Owners, Josephine County. San Francisco contractors, figuring the construction of the new County Court House to be erected at Grants Pass, have been notified that all bids for the work have been rejected, and that the work will not be refigured until next year. Further mention will be made of this work when new bids are called.

MAUSOLEUM—1 story, reinforced concrete and granite, \$75,000. Portland, Ore. Architects, Lawrence & Holford, Chamber of Commerce Bldg., Portland. Owners, Portland Mausoleum Co., Spaulding Bldg., Portland. The building will be erected on East 11th street, between Dyke and Duke avenue, and will cover an area of 58 by 250 feet. Construction will be fire proof throughout. The interior has been arranged for 1,000 crypts. Of this number there will be ten family apartments while the remaining 990 will be individual crypts. Interior fin-

ish will be of marble and tile with art glass windows, doors and modern plumbing. The exterior of the building will be faced with marble and granite. Plans are now being prepared and will be ready for figures within the next two months.

GREATEST LIGHTING SPECTACLE.

The thirty stories comprising the tower of the Woolworth Building, New York, form the most wonderful permanent lighting spectacle in the world at the present time. It took 50,000 feet of conduit, from one-half to three inches in diameter; 16,400 feet of 500,000 C. M. cable and 50,000 feet of No. 14 duplex wire to complete the installation. Charles W. Person in an article in the "Scientific American" provides the following interesting data as regards the lighting equipment:

On account of the great height and to insure uniform lighting, projectors—ordinary automobile lamps of the largest size—were used. It required 600 of these projectors, each with a 250-watt lamp of the new gas-filled type with closely concentrated filament, to play light upon the four sides of the thirty-storied tower. In addition to these 600 projectors, twenty-four 1,000-watt lamps were placed in the topmost point of the tower, called the lantern or crow's nest, to give the effect of a great scintillating jewel. The total power consumed is 175 kilowatts—more light than is usually employed in lighting the streets of a city of 50,000 inhabitants.

The projectors are arranged in batteries at vantage points and so placed that the rays from one set shoot upward along the sides of the tower, and the spaces not touched by this set are played upon by another set arranged on the floors above which direct their rays downward. Thus there is one continual diffusion of light. To prevent any one in the street from determining the sources of the light screens are used.

The projectors are distributed in the following manner: Two sets are placed on the north and south wings of the pent houses at the thirtieth floor to light the west side of the tower as far as the forty-third floor. The north and south sides of the tower are bathed in light from the thirtieth to the forty-third floor by a set placed on the gabled roofs at the thirtieth floor. The east side had to be lighted from a set placed on a narrow balcony opposite the twenty-seventh floor. This is the method employed to shoot light upward, so at the forty-third light upward so at the forty-third placed which plays light on any spot not touched by the projectors at the thirtieth floor.

From the forty-third and forty-ninth floors projectors are focused up ginning of the Mansard roof. Another set is placed at this floor to illuminate as far as the fifty-third floor, or beneath the Mansard roof. Opposite the fifty-fourth floor four sets are placed which play upon the observation balcony at the fifty-eighth floor, or 750 feet above the pavement. But the most novel feature of the whole installation is two stories above—the sixtieth floor—which is the crow's nest or lantern. It is inclosed with diffusing glass and within the lantern itself, which is a

very small affair, and is a mere 792 feet 1 inch above Broadway, are placed the twenty powerful lamps. Connected with these lamps is an automatic dimmer, which continually alters their intensity in an irregular cycle. The glass surface of the lantern gives the jeweled effect of a deep red glow no brighter than the adjacent gilded structure and again it flares to a bright white light of fifty times this intensity.

Forty engineers and a dozen electrical experts worked for months making the installation bring out in architectural detail the hidden recesses, the balconies, pent houses, Mansard roof, observation balcony and lantern. The reflecting characteristics of the glazed terra cotta surface of the building and the necessity for mounting the large amount of material equipment in a few restricted locations of the tower itself caused unusual difficulties in the design of the lighting scheme.

NAVIGATION EXHIBIT AT SAN FRANCISCO.

The exhibit of the United States Bureau of Navigation at the San Francisco Exposition consists of a one-quarter kilowatt, quenched gap, battery-operated radio panel set, which was designed by the Bureau of Standards. The exhibition of this set is intended to convey to those interested what is considered the proper manner of installing a ship radio apparatus. The set used for demonstration purposes is smaller than the apparatus usually found on board ship. It is believed that the compact manner in which it is installed, together with the efficiency obtained, will be found to be of much interest, especially to shipowners, in view of the limited space sometimes available for this purpose on board ship.

It is not possible to arrange for an exhibit of this kind an equipment which will meet all contingencies, but it is believed that this arrangement will give a general idea, which, if enlarged upon or altered in some minor detail, will be found to be entirely satisfactory.

In addition to this set, there is supplied a Kolster Decrometer, which is used by the radio inspectors of the bureau for determining the decrement and wave length used by radio stations, in order to ascertain if such stations meet the requirements of the law. The method of ascertaining these measurements is demonstrated by the radio inspector in charge of the exhibit, and it is believed that this instrument and its simple method of operation will be found exceedingly interesting to everyone interested in radio communication. There is also on exhibition some of the simpler instruments used by the radio inspectors for measuring the power and antenna current of the transmitting station.

It has been reported to the bureau that signals from the Elvose, Germany, station have been received at the bureau's station, which is a part of this exhibit. Time signals are received daily at this station from the Navy station at Mare Island, Cal., and it is understood that these signals come in sufficiently audible to be read

by the visitors to the Exposition at a distance of about 30 feet, which enables them to set their watches. Considerable interest has been manifested in this feature. The radio inspector in charge at the exhibit distributes the department's publications concerning the radio laws and regulations, and examinations of applicants for radio-operator licenses are held by him.

The bureau invites all persons interested in radio communication to visit this exhibit, which is located in the Palace of Liberal Arts, and take advantage of the information being furnished and the many interesting details in connection with this comparatively new method of communication.

"AIR-TOWEL."

An "air-towel" used in the large public lavatory in the District Building at Washington is the invention of J. M. Ward, superintendent of the District Building. In appearance it resembles a rectangular box 11 inches by 3, set in a sanitary base having 12-inch legs with an opening in the tip of the case in which the wet hands are held while being dried.

The device consists of a blower that forces air through an electric heating element to ducts and deflectors suitably placed for distributing the warmed air to all parts of the hands at the same time, and is operated by a foot lever or pedal, which in turn operates a quick-acting switch, thereby setting the blower in motion.

By removing the foot the device is put out of operation. The hands come in contact with no part of the device, thus assuring a perfectly sanitary operation. It takes just 30 seconds to dry the hands.

LOS ANGELES BRANCH ESTABLISHED.

The Levensaler-Speir Corporation of San Francisco, dealers in Building Materials, Insurance and Commercial Minerals, have opened a branch office in Los Angeles, at 710 Trust and Savings Building, (6th and Spring Streets,) with Mr. Oswald Speir, Vice-President of the Corporation, in active charge of the southern office.

This action has long been anticipated owing to the fact that the corporation's representation of Eastern factories covers the entire State of California. Their increasing business now demands an office right in Los Angeles.

DOORS IN CHINA.

In China doors are often round, leaf shaped or semicircular. In placing them the builder usually avoids having one opposite another lest evil spirits find their way from the street into the recesses of the building. The doorways separating the courts of a garden are usually of an elaborate kind, and the octagonal form is one of the most popular. Religious superstition asserts itself in Chinese architecture, and the universal sacredness of the numerals 3 and 9 is shown in the arrangement of temple doors. There is a triple gateway to each of the halls of the imperial palace, and the same

order prevails at the Ming tombs. The Temple of Heaven has a triple roof, a triple marble staircase, and all its mystic symbols points either to 3 or its multiples.

OCEAN FREIGHTERS HINDER TRADE EXTENSION.

A large manufacturer in New York, who was endeavoring to interest a Lisbon, Portugal, firm in the sale of pumps and pumping machinery, received the following reply: "We must add that business with your country grows more and more difficult on account of the rate of freight demanded by the steamship companies, and while this situation lasts we do not think that we will be able to occupy ourselves with introducing your products with any results."

DIFFICULT TO BUILD.

The great railroad bridge across the Ganges at Sara took six years to build and cost \$15,000,000. It consists of fifteen main spans and six land spans, the total length being about a mile and an eighth. It was necessary to sink the foundations to a depth of 200 feet below high flood level because the bed of the river consists of the finest sand, which is carried down from the Himalayas. An obstacle such as a sunken boat or tree causes this fine sand to be disturbed to as great a depth as fifty feet. Another difficulty is the habit of the Ganges to change its course rather whimsically. The point at which the river has been bridged is, so far as could be ascertained from available records, the one place at which these deviations of the river have been at a minimum. The river is walled with stone three-quarters of a mile upstream and one-quarter of a mile downstream from the bridge.

CALL FOR BIDS FOR HUGE CEMENT ORDER.

The city of Seattle, Tacoma, King and Pierce Counties, the Inter-County River Improvement, Tacoma and the Seattle Port Commission have joined in a call for bids for the largest quantity of cement ever purchased in one contract in the Northwest. The bids for the cement will be opened on June 7th by the King County Commissioners.

The order will be divided as follows, deliveries extending over a period of twenty months as needed: King County, 81,000 barrels; Port of Seattle, 30,000; city of Seattle, 30,000; Pierce County, 24,000; city of Tacoma, \$20,000, and the Inter-County River Improvement, 15,000. The entire order will call for 200,000 barrels.

SULPHURIC ACID AND CIVILIZATION.

Liebig said that we might gauge the civilization of a country by the quantity of sulphuric acid it consumed. The total output of this acid is now about 5,000,000 tons, according to the fourth addition of Professor G. Lunge's treatise on its manufacture. At least 1,000,000 tons a year have been made in Germany, and that country has been

importing about 100,000 tons besides.

Sulphuric acid is made principally from iron pyrites, but also from zinc blende. It is essential in the manufacture of high explosives, but there is scarcely a process of manufacture into which it does not enter. It is said that there is no branch of chemical technology that has been more thoroughly developed than that of the manufacture of sulphuric acid, but so keen is the competition that improvements are taking place all the time.

METALS OF THE ANCIENTS.

Before iron was used copper was the principal ingredient in domestic utensils and weapons of war. Its alloy with tin, forming bronze, was the first metallic compound in use by mankind, and its alloy with zinc, forming brass, also has been long in use. These processes, of course, imply a certain degree of tempering.

ANCIENT ROPES.

Ropes made of various kinds of fiber and leather are of very ancient date. Ropes of palm have been found in Egypt in the tombs of Beni-Hassan (about 3000 B. C.), and on the walls of these tombs is also shown the process of preparing hemp. In a tomb at Thebes of the time of Thotmes III. (about 1600 B. C.) is a group representing the process of twisting thongs of leather and the method of cutting leather into thongs.

CONSTRUCTION WORK ABROAD

AUSTRALIA.

[Sydney Herald, Mar. 23.]

Construction Work in Sydney District.

Among the newly planned construction work in the Sydney district may be cited a new Government hospital at Rylstone, a large district hospital for Gilgandra Township, extensions to the Sydney municipal cold-storage works, and fine buildings and club house at Wentworth Hall. [A detailed list of these appeared in the Herald, copy of which will be loaned on application to the Bureau of Foreign and Domestic Commerce, Washington, D. C.]

Several improvements to the Sydney district water supply have been decided upon by the Water and Sewerage Board. The most important is the construction of a new reservoir at Pymble at an estimated cost of \$125,000. The engineer in chief, Mr. Smail, said that he proposed to begin this work at once. Another improvement is laying down new and larger mains in Randwick and Waverly, which is to be carried out before next summer, at an estimated cost of \$44,000. A return by the engineer in chief showed that the daily average supply of water to the city and suburbs for the week ended March 12 had been 46,428,000 gallons, as against 36,000,000 gallons for the corresponding week of last year.

CANADA.

[Consul General R. E. Mansfield, Vancouver, British Columbia, Apr. 21.]

British Columbia Harbor Improvements

The Dominion Government supplementary estimates for public improvements presented to the Canadian Parliament recently include an additional vote for harbor works and improve-

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ments at Vancouver. The general esti-
mate contained an item of \$1,000,000
for the harbor works in the city, in ad-
dition to which the supplemental vote
carries \$350,000. There is also a vote
of \$100,000 for improvements in the
north arm of the Fraser River.

CHINA'S UNPROTECTED PEACE.

If disarmament and unpreparedness
are guarantees of peace China should
be secure from invasion. The fact that
she is right now either invaded or fear-
ing invasion by the forces of a much
smaller country is the complete answer
to the extreme pacifist view.

These extremely pacific gentlemen
and ladies are fond of pointing to the
armed preparedness of the European
nations as proving that such arma-
ments and such readiness provoke
war. They ought to see that it is the
nation and the spirit behind the armies
and the guns that determine whether
the nation shall be pacific or warlike.

China, an unorganized, unarmed na-

tion of unnumbered millions of men, is
at the mercy of Japan, an organized,
armed and disciplined nation of com-
paratively few millions of men.

If China were armed and organized
and disciplined she could remain peace-
ful and be secure. Japan would not
dare invade her; would not dare to
bluff her.

Since nations do carry arms, the pa-
cific nations should carry them. It is
the only sure way to be pacific—to say
nothing of being honorably pacific.

This is in line with Thomas Jeffers-
on's aphorism that "the government
which would wield the arm of the
people (as opposed to autocratic gov-
ernment) should be the strongest
government possible."—Kansas City

THE WAY OF GOING.

Robert Ingersoll.

And after all it may be best, just in
the happiest, sunniest hour of all the
voyage, while eager winds are kissing
every sail, to dash against the unseen
rock, and in an instant hear the billows
roar above a sunken ship. For whether
in midsea or 'mong the breakers of the
farther shore, a wreck at last must
mark the end of each and all. And
every life, no matter if its every hour
is rich with love, and every moment
jeweled with a joy, will at its close
become a tragedy as sad and deep and
dark as can be woven of the warp and
woof of mystery and death.

The new electrically operated double
track swing railroad bridge over the
Lachine Canal at Montreal is said by
Canadian papers to be the most-up-to-
date in America.

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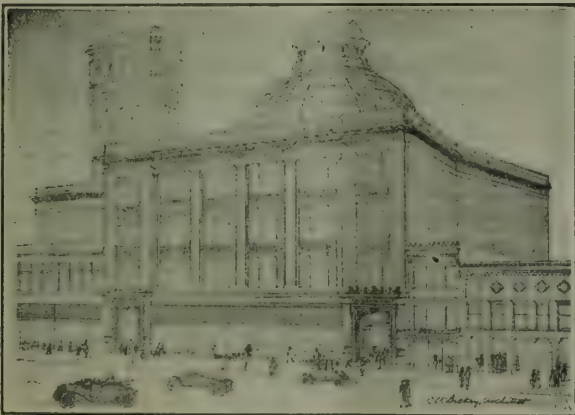
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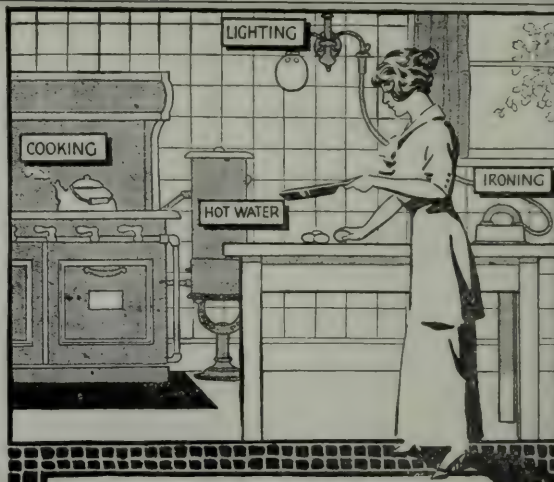
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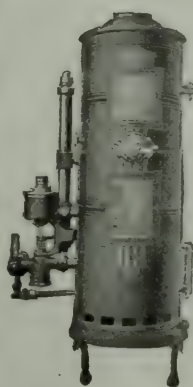
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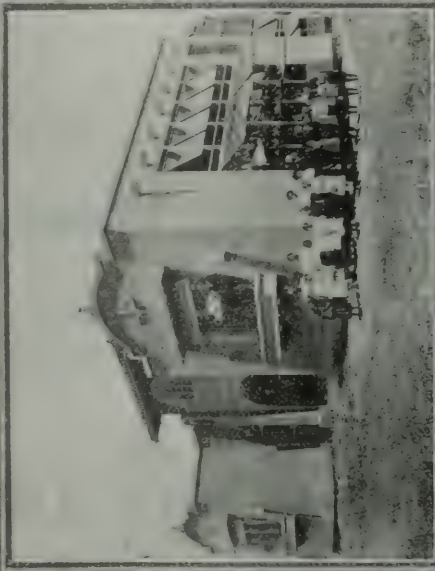
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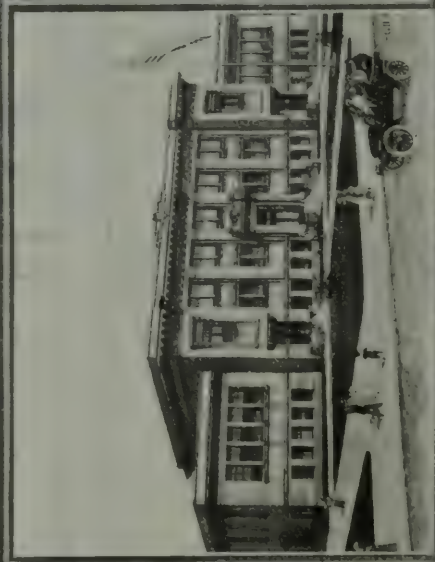
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Editorial Comment.

The dropping of shells in Dunkirk some time ago by the Germans from a concealed battery 22½ miles away, has called attention to the enormous ranges of modern artillery. The Scientific American prints a chart on which are marked out certain actual and theoretical ranges of artillery. It appears that we have plenty of guns that would have that range if properly elevated and computed from the mathematician's ballistic curve some astounding results are noted. The maximum range of a gun, as noted in the article, was that of a Brown ten-inch wire wound gun with an enormous powder chamber that would give a muzzle velocity of 4000 feet per second. Given its maximum elevation for distance it would reach in its flight a vertical height of 18 miles and have a maximum range of 49 miles. Such a projectile would go 3 times as high as Mt. Everest, the highest mountain in the world, and would travel in distance as far as from here to San Jose. About the only thing of scientific value that this war will produce will be the practical demonstration of the efficiency of death-dealing instruments of war.

A LEGACY OF 1815.

The crisis in Italy is a legacy of an event of a century ago. The congress of Vienna in 1815, dominated by Austria, left the Italian peninsula in a state of unstable equilibrium which still exists.

From St. Helena Napoleon wrote: "Italy, isolated between her natural limits, is destined to form a great and powerful nation. Italy is one nation; unity of language, customs and literature must, within a period more or less distant, unite her inhabitants under one sole government. And Rome will without the slightest doubt, be chosen by the Italians as their capital."

Yet the eminent gentlemen who controlled the congress of Vienna saw nothing in this. They did not even attempt a loose confederation. Italy was divided into ten states, each one too small to have any influence, and all of them under the domination of Austria. That monarchy was given outright the richest part of the Valley of the Po. Austrian princes and princesses were installed over the little kingdoms of Northern Italy and the King of Naples was induced to make an alliance with Vienna that made his kingdom a subsidiary province.

For nearly a half-century this condition continued, with Italy only a name, and with Italians virtually ruled by Austria.

Then the rising tide of nationality inspired by Mazzini and Garibaldi and guided by Cavour beat back the Aus-

trian lines. In a two months' campaign, with France as ally, Sardinia defeated Austria at Magenta and Solferino, and the nucleus of the modern kingdom of Italy was formed. Central Italy shortly joined Sardinia, and the uprising in the south under the leadership of Garibaldi completed the unification of the peninsula with the exception of the papal territory of Rome, which was added during the Franco-Prussian War.

Austria, however, still retained its old Italian holdings of provinces adjoining the new kingdom, and for the last forty years there has been a movement in Italy for "redeeming" the Italian lands still under Austrian domination. This movement is what is known on the continent as "irredentism," the movement for regarding "Italia irredenta," "Italy unredeemed."

The war party of 1915 has built on the foundation of irredentism which was laid by the diplomatists who thought they were settling everything so snugly at Vienna after the downfall of Napoleon.

The Chronicle prints an article relative to some laboratory tests that have been made at the University of California to demonstrate a smelting process that has been invented by Bruce Marquand, a student who has just graduated at Berkeley. In the process crude oil is used as fuel and the method of creating a draft is by means of a vacuum chamber. This process is said to do away entirely with smoke, to condense the fumes and instead of the poisonous gases being given off in the air they are reduced to solids and the smoke and residue are led off into condensing chambers.

So far as reported no commercial tests have been made of the process. But it looks plausible and it may be one of those great inventions that look so simple that every one wonders why everybody had not thought of it before.

California has untold mineral wealth. The mountains abound in copper and iron and all kinds of the baser metals as well as the more precious ores. The great difficulty is in finding fuel for the smelters.

If this process should prove successful it would reduce the smelting cost of the baser metals to about one-tenth. At the same time it would furnish a market for fuel oil. Such an invention would bring the mines and the oil fields together and add untold wealth to the state.

PEACE AND POWER.

The Navy League in a lately adopted resolution says: "Our most pacific country should, because of its supreme love of peace, possess preponderant naval strength and adequate military strength."

Cost Keeping On Constructional Work.

By G. L. Shanks.

Second only to the ability to lead and manage men, cost-keeping is the most vital and important element in modern contracting. Granting a contractor average skill in handling men and the technical affairs of his business, his success in future contracts will usually depend on how closely his office system allows him to estimate the cost of the different elements in the work at hand. An important point to note is that, while it is often fairly easy for those in charge to study out and plan in detail a comprehensive scheme for cost-keeping on any job, it is a different matter to make the subordinate live up to the system. Most of them fail to realize the cost-analysis end, i. e., the calculation and study at certain intervals (usually every day or week) of unit cost for different items, such as mixing and placing concrete, driving piles, excavating rock, etc., and the application of these derived costs to discover and correct at once any weakness in the methods of doing the work.

The main divisions in cost-keeping on construction work are: (1) The direct charges for labor and materials, and (2) the necessary expense charges incidental to the work—often called overhead charges. These expense items, unless watched and controlled by a firm hand, are liable to total up to a large sum, and may often be the deciding factor in the financial failure or success of a contract. They include among others:

(1) The salaries and traveling expenses of the superintendent, engineering and clerical staffs on a job—also the current operating expenses of the job office.

(2) Charges for plant rental (if any), installation, maintenance and dismantling.

(3) Building and operating a board-camp, if there be one.

(4) Liability insurance, if any be carried.

(5) Transporting, unloading and storing construction materials—such as fuel, cement, sand, gravel or crushed stone, brick, lime, lumber and timber, piles, reinforcing steel, stone masonry, etc., etc., if the cost of these cannot be directly charged to some unit in the work, such as a pier for a bridge, or a floor for a building.

The division of the direct labor cost on a job into the different charges or subdivisions should be done most carefully. Above all else these charges should be practical and flexible, i. e., they should be finally decided on only after a thorough study of the actual conditions at each separate job, and they should not be so numerous as to make the system stiff or unwieldy. In short, cut the number of labor charges down to an absolute minimum, but make sure that each separate charge gives maximum service, and is sufficiently flexible, so that it may be either subdivided or expanded, if necessary. It should be constantly re-

membered that these cost records are kept for two main purposes: (a) As a **record**, and for use on future work—hence they should be accurate, well arranged and easy to understand; (b) as a **current check** on the efficiency of the work, and a sure method of detecting any leaks or weak points in the organization or methods employed—hence they should be kept strictly up-to-date. The cost clerk or timekeeper, whose duty it is to collect and classify all this data, should have a wide practical knowledge of constructional engineering and a sound judgment, as it is sometimes necessary to differentiate carefully between various charges.

A material clerk should be held responsible for all the hand tools and supplies on the job—his duties to include the ordering of material, the checking of the material on arrival, and the storage of same when not in use. He may sometimes include heavier items, such as heavy plant, large timbers, etc., in his work, but on large works these are usually supervised directly by the contractor himself, or by his superintendent or engineer.

There should be as, as a rule, only one storehouse on a job. All hand tools in everyday use, and all perishable supplies (except explosives, gasoline, oil, etc., which are always stored separately) ought to be kept in here under lock and key, and a careful check made of all outgoing and incoming material. Very often, in cases of emergency, supplies, tools, etc., are needed in a great hurry, and it seems hardly necessary to state that the interior design of the storehouse ought to receive careful study. The most commonly used items should be kept nearest the counter or door, and all shelves, bins, stalls, hooks, etc., should be so placed that they may be reached with the least possible motion, and the contents in or on them handled with minimum effort. These are but elementary principles to follow in order to obtain the highest efficiency, yet they are commonly disregarded.

It would be advantageous to keep two books in the store room: a stock book and a material charge book. The former should be a complete and up-to-date inventory of all the tools, supplies and material in use on the work, the different quantities being corrected at least daily. It may be urged that a card or loose leaf system would be just as good, if not better than a book. There is not much difference between them, the chief advantage in the use of the book being that it is more compact and affords a better chance to study and compare the variations in the use of the different items entered therein, since the stock quantity is corrected daily from the start of the job, and the amounts of the different items are all together, instead of being scattered on various individual cards which easily get misplaced.

In the material charge book all the

outgoing supplies and materials (except the hand tools, which are charged against the men using them) are charged against the different units in which they are used, such as the various piers or pedestals in a bridge, or the different floors in a building. It is not absolutely essential that entries be made in this book every day (the sooner the better, however), as the book is not usually needed until the structure is finished. Then, indeed, it is valuable.

The supply of iron rods, bars, flats, tool steel, etc., used by the blacksmith is, of course, kept by itself close to the smithy, and all that seems to be necessary with that item is to enter in the stock book every time a new supply is received, so that the working capital, as it were, is known at any time. It seems to be unnecessary to book up from day to day the comparatively small amounts used up, as the blacksmith can always be consulted as to the standing of any single item, and as to when any new supply is needed. He reports to the material clerk, each day, the quantity used and what units it is to be charged against.

With regard to pipe fittings of all sizes, valves, etc., it would seem to be better to correct the stock book from day to day, so that a close check can be kept on the stock, and needed material ordered ahead of time—the lack of these small fittings, at critical times, often causing serious inconvenience and delay. All outgoing material is to be charged to the different charge heads, as before.

Supplies in current use, such as nails, belts, spikes, washers, rope, oil, etc., should be booked up and charged out as closely as seems practicable and reasonable. Naturally, the standard of refinement on other portions of the work will govern the standard of the office work in the store room. For example, it would not pay to be severely economical in the use of nails, as the carpenters might thereby be induced to turn out inferior work; and yet, on the contrary, money may be literally thrown away if some vigilance were not exercised over the nail supply. The oil question is another one, which might be discussed in the same way. There is a happy medium which can be reached in all these things, and although it is sometimes rather hard to educate the employees to appreciate the economical ideas of the management, it is possible, and is certainly a goal to be aimed at.

Hand tools, raincoats, rubber boots (if supplied at all) and similar articles which are used and kept by the men personally, ought to be handled somewhat differently. In the stock book should be kept a list of the total stock received from time to time and supposed to be on hand. It does not seem necessary to correct the stock book any further, because all the outgoing boots, coats, tools, etc., will be charged up to the different men personally. A

loose sheet or notebook may be kept to enter up daily the hand tools, such as hammers, wrenches, peavies, cross-cut saws, etc., which are taken out early in the day, or at various times during the day, and brought back in the evening. All hand tools should be returned the same day they are taken out of the storeroom, and any not returned ought to be charged against the man taking them out.

From Western Canada Contractor.

THE PROTECTION OF STONE WORK.

Many architects are opposed to the use of stone because of its discoloration, due to the dripping of dirty water, iron rust and verdigris from copper and bronze. Those who have followed the stone contracting business say that with a little care a stone building can be kept as clean as a brick or terra cotta one.

The specifications for stone work may be prepared with great care, calling for stone of the highest grade, of uniform color, free from sap, stains, knots, "niggerheads," shakes, or other defects, to be coated with waterproof paint on backs, beds and joints, and to be set in non-staining cement. But how often do the specifications contain a single reference to the care of the stone from the time it leaves the mill until it is set in the wall? It is the rule rather than the exception to find beautiful cut stone work dumped on the ground promiscuously and left to absorb the moisture from the dirt, to be covered with soot and to be trampled on by workmen and others around the building. It may even get drippings of oil or other liquids that penetrate deep into the pores of the stone. If stone that has been so abused goes into the wall it is next to impossible to use any methods of cleaning to restore its original beautiful color. If it were not that the precaution is so frequently neglected, it would hardly seem necessary to say that all cut stone delivered to the building site which is not immediately to be used should be piled on boards that are raised a few inches from the ground, and thoroughly covered with tarpaulin, waterproof paper or in some other way protected.

Architects are inclined to pay far too little attention to damp courses at grade. Probably every one has noted the appearance of otherwise beautiful stone buildings marred by reason of the fact that no damp courses, or because imperfect damp courses, had been provided at the grade line. The result of this is that moisture from the foundation and dirt carelessly thrown up against the bottom course of stone is absorbed by the stone, which becomes discolored and unsightly. This lack of protection assumes a greater importance where the soils contain alkalies, for these salts are drawn up by capillarity, and, evaporating from the surface, leave a skin or efflorescence that is very disfiguring.

Far too little attention is also paid to proper provision for the carrying off of water from stone work. This is

especially true of porticoes and flights of steps. In projecting overhead work the water is allowed to seep down from the courses of stone work, and, consequently, they are almost continually water-soaked, discolored, and a condition favorable to disintegration and decay is present. Many architects fail to provide reasonably adequate drips under projecting courses, with the result that the water washes the dirt and soot down over the face of the wall. With the increased popularity of rubbed and tooled surfaces for stone work, it is not uncommon to see the entire fronts of immense buildings with not a single projection from the cornice to the water table, even the sills and lintels being set flush with the wall. The result of this is that the moisture gathering in the window spaces is not thrown off by the wash and drip of the sills, but runs down the face of the wall, so that there are regular spaces of staining between each floor.

It is interesting to consider what may be the reason for this lack of protection from weather conditions. Probably it is due to the interest in classical and Renaissance architecture. The builders who wrought in these styles did not have severe weather conditions to meet, as a rule. The structures went up in a warm and dry climate, and even the most delicate stone held its color and texture. The Gothic builders, on the contrary, had to confront frost and moisture, and it was necessary for them to guard against the ravages of the elements. In the Gothic buildings, drips are provided whenever necessary, and there are constant provisions for carrying the water from rain or snow far from the walls. The matter is one of great importance, and it is one to which the architects might well give more attention.—The Architect and Engineer.

ALASKA IN ITS RELATION TO AMERICAN TRADE AND INDUSTRY.

Merchandise and treasure to the value of \$66,500,000 moved between Alaska and the United States in 1914, an increase of \$4,000,000 over 1913. Our shipments to Alaska last year, according to the Bureau of Foreign and Domestic Commerce, Department of Commerce, aggregated \$22,500,000, including approximately \$14,300,000 worth of manufactures, \$6,200,000 worth of foodstuffs, and \$2,000,000 worth of gold, silver, and miscellaneous materials, including foreign merchandise valued at \$500,000. As a market for our products, Alaska, having a population of only 65,000, is of equal importance with China with a population of 336,000,000.

Alaska's great purchasing power is a natural corollary of its enormous resources, mainly, gold, copper, fishery products, and hitherto undeveloped beds of coal and other minerals. In the period since 1867 Alaska has given to the world 250 million dollars' worth of gold, 183 million dollars' worth of fish 65 million dollars' worth of seal and other aquatic fur skins, 20 million dollars' worth of copper, nearly 5 million dollars' worth of whale, walrus, and fish oils, 2 million dollars' worth of siver, and whalebone, coal, gypsum,

marble, tin, and vegetables in sufficient sums to bring her total output to more than \$500,000,000. This result has been achieved with a sparse population and an inadequate system of railway and other transportation facilities. With the new era of Government railway construction recently announced by the Department of the Interior the development of Alaska will be greatly accelerated, and that Territory, which already yields as much gold as the State of California, which produces half the world's salmon, and which includes a domain as large as our area east of the Mississippi River and an acreage for tillage several times that of those sections of Norway, Sweden, and Russia, of similar latitude with 11,000,000 souls, may be expected to attain an even greater degree of industrial and commercial importance.

Alaska's commercial relations are chiefly with the United States. Shipments to the United States last year were valued at \$44,000,000. Canned salmon, \$18,000,000; Alaskan gold, \$14,600,000; Canadian gold, \$3,500,000; Alaskan copper, \$3,300,000; fresh salmon, \$750,000; seal and other fur skins, \$600,000; and miscellaneous fish and fish products, \$1,250,000 were the largest factors. Our purchases of fish and fish products from Alaska last year totaled \$20,000,000, or five times as much as imports of this class from Norway. Of salmon alone we bought from Alaska 200,000,000 pounds in 1914, or an average of 2 pounds per capita.

Trade with Alaska has doubled in 10 years. Our shipments of merchandise to Alaska increased from \$11,448,423 in 1904 to \$21,610,860 in 1914, while receipts of merchandise from Alaska have grown from \$10,647,592 to \$25,815,832. Receipts of foreign gold from Alaska fell in value from \$9,950,520 in 1904 to \$3,452,192 in 1914, while those of domestic gold rose from \$9,090,957 to \$14,598,237 in 1914, or double the sum of \$7,200,000 paid by this country to Russia in 1867 for the Territory in question.

The value of imports into Alaska from foreign countries last year was \$662,994, of which \$396,900 worth entered from Canada, \$246,419 from Russia in Asia, and \$19,675 from Australia and Tasmania. Domestic exports from Alaska to foreign countries totaled in 1914 \$1,005,311, of which \$976,610 went to Canada and \$288,701 to Russia in Asia.

The foregoing facts regarding our trade with Alaska are from the "Monthly Summary of Foreign Commerce," which contains a detailed record of the movements of iron and steel, tin, lumber, breadstuffs, cotton goods, wool, clothing, gold, other minerals, canned salmon, furs, and all other articles making up the trade in both directions. Special Agent Series No. 67 contains a brief account of the general commerce and industries of Alaska. These publications are for sale by the superintendent of documents, Washington, D. C., and by the commercial agents in charge of branch offices of the Bureau of Foreign and Domestic Commerce at New York, Boston, Chicago, St. Louis, New Orleans, Atlanta, San Francisco, and Seattle, the first-named for \$1.50 a year, or 15 cents for single copies, and the latter for 10 cents a copy.

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Classified according to Character of Work

APARTMENT HOUSES

OAKLAND, CAL.—Apartment house, 3 story and base, frame and reinforced concrete, \$35,000. Architect, Charles J. Rousseau, 46 Kearny street, S. F. Owner, Mrs. Carrie B. Rousseau. The building will be erected on the northwest corner of Grand avenue and Park View, facing Lake Merritt, and has been designed to contain a number of two, three and four room apartments. Interior finish will be of pine and hardwood and white enamel. Hardwood floors will be used in the living and dining rooms. Plans provide for a central heating system, with an oil burning plant, hot water supply and vacuum cleaning. All apartments will have wall beds and private baths. Tile wainscot and floors will be used in the baths. Exterior of the building will be faced with cement plaster on metal lath. Plans are complete and segregated figures are now being taken.

SAN FRANCISCO—Apartment house, 3 story and base, frame, \$30,000. Architect, Frederick H. Meyer, Bankers' Investment Bldg., S. F. Owner, L. E. W. Pioda. The building will be erected at the northwest corner of Taylor and Washington streets, covering an area of 83 by 60 feet, and has been designed to contain nine large apartments. Interiors will be finished in pine and hardwood with some white enamel. Hardwood floors will be used in the living and dining rooms. There will be steam heat, a hot water system and wall beds. Bath rooms will be finished in tile. Marble and tile wainscot will be used in the entrance lobby. Exterior of the building will be covered with cement plaster on metal lath. Plans are complete and a contract will be awarded by the owner.

BERKELEY, ALAMEDA CO., CAL.—Apartment house and stores, 3 story and base, brick, \$40,000. Architects, Rousseau & Rousseau, 110 Sutter street, S. F. Owners, Rivers Bros. The building will be erected at the southeast corner of Ashby and College avenue, and has been designed to contain seven stores on the first floor besides the entrance. Upper floors will be arranged for a number of two and three room suites with wall beds and private bath rooms. Interior finish will be of pine and hardwood veneer. Hardwood floors will be used in the principal rooms. There will be a central heating system and hot and cold water system. Bath rooms will be finished in tile. Exterior of the building will be faced with pressed brick and cement plaster. Patent store fronts are specified. Plans are complete and segregated figures are being taken.

LOS ANGELES, CAL.—Apartment houses, 2, 3 story and base, brick, \$50,000. Architect, none. Owner, Sherwood Allen, represented by Mr. Rubin, Hollingsworth Bldg., L. A. These buildings will be erected at the corner of 16th and Hoover streets, each

covering an area of 44 by 92 feet, and designed to contain 50 rooms. Interiors will be finished in pine and hardwood veneer. Hardwood floors will be used in the principal rooms. There will be steam heat and a hot water supply. All suites will have wall beds and private baths. Bath rooms will be finished in tile. Exteriors will be faced with pressed brick. Plans are complete and the work will be done by Day Labor under the direction of E. P. Hunziker.

HOLLYWOOD, LOS ANGELES CO., CAL.—Apartment house, 3 story and base, frame. Cost not stated. Architects, The Architectural Designing Co., Grosse Bldg., L. A. Owner's name withheld. The building will cover an area of 150 by 100 feet and has been designed to contain a total of 70 rooms arranged in suites of two and three rooms. Interior will be finished in pine and hardwood with some oak floors. There will be steam heat and a hot water supply. All suites will have wall beds and private bath rooms. Bath rooms will be finished in tile. Exterior of the building will be covered with rustic. Plans are now being prepared.

SAN FRANCISCO—Apartment house, 4 story and base. Class C construction, \$30,000. Architect, Joseph Cahen, 45 Kearny street, S. F. Owner, I. Rosenberg and Joseph Cahen. The building will be erected on the north side of Bush street west of Powell, and has been designed to contain four stores on the first floor besides the lobby and office. Upper floors will contain a total of 15 suites. Interiors will be finished in pine and hardwood veneer. Hardwood floors will be used in the principal rooms. Plans provide for steam heat, an automatic elevator and hot water supply. All apartments will have wall beds and private bath rooms. Bath rooms will be finished in tile. Marble and tile wainscot will be used. Exterior of the building will be faced with pressed brick trimmed with terra cotta. Plans are complete and segregated figures are being taken.

BATH HOUSES.

CALISTOGA, NAPA CO., CAL.—Mud and hot sulphur springs baths, 1, 2 and 3 story, reinforced concrete and frame, \$500,000. Architect, Frederick H. Meyer, Bankers' Investment Bldg., S. F. Owners, Calistoga Hot Springs Co. Plans are now being prepared for an elaborate resort to be erected at Calistoga Hot Springs. A group of buildings will consist of a large hotel, club house, bath pavilion, pumping station, heating plant and cottages. The pavilion will be elaborately finished in tile and monolite floors. A great deal of special plumbing fixtures are specified, including colored tubs for the use of the sulphur baths. There will be a general heating system of steam heat with oil burning equip-

ment. Exterior of all buildings will be faced with cement plaster. Only preliminary plans have been prepared and further mention will be made of the work.

CALISTOGA, NAPA CO., CAL.—Bath pavilion, 1 and 2 story, hollow tile construction, \$20,000. Architect, Frank S. Holland, 100 Haight street. Owner's name withheld. The building will be erected in Calistoga and will be of the Dennison hollow tile construction, covering an area of 88 by 32 feet. Besides the general attendants' quarters, lounging room and mechanical department, the building will contain a large number of special rooms for treatments, massage room and main bath room. Special plumbing fixtures are specified. There will be both a steam heating system and hot water supply, both being equipped with oil burning furnace. The two-story portion of the building has been designed for a tank house and pumping plant. Exterior of the buildings will be faced with terra cotta and struck joint. Plans are complete and figures will be called for shortly.

BONDS.

FORTUNA, HUMBOLDT CO., CAL.—The Fortuna Board of Trade at their last meeting discussed the proposition of erecting a new high school building. A communication was sent to the Trustees of the Fortuna School District asking that a mass meeting be called to discuss the advisability of erecting such a building.

RENO, NEV.—The County Commissioners have named June 23rd as the date for an election to determine whether or not a \$12,000 bond issue will be floated to provide funds for the work to be undertaken by the Truckee River Drainage District.

The proposed project will reclaim 8,000 acres of land between Sparks and Vista, which at present is practically useless owing to the annual floods from the Truckee River.

VISALIA, TULARE CO., CAL.—The voters of this city will be given an opportunity for the third time of voting on a proposition to issue bonds to enlarge the sewer system of the city. The proposition will, in all probability, be presented at the election for a bond issue for the building of a municipal auditorium.

RIVERSIDE, RIVERSIDE CO., CAL.—Riverside Sewer District No. 2 will vote June 7th on a proposition to issue \$10,000 for the purpose of constructing sewers.

STOCKTON, SAN JOAQUIN CO., CAL.—Stockton will on June 16th vote upon a proposition to issue \$550,000 bonds of which \$250,000 is for sanitary sewers and \$300,000 for rainfall sewers.

SATICUM, VENTURA CO., CAL.—Saticum School District, Ventura County, bond issue of \$18,000 was purchased by N. W. Halsey Company of San Fran-

cisco at a premium of \$612.60. Thirteen proposals to purchase the issue were submitted.

CAMULOS SCHOOL DISTRICT, VENTURA CO., CAL.—The \$12,000 bond issue of the Camulos School District was sold to the Oxnard Savings Bank at a premium of \$278.81. There were ten bidders for the bonds.

ORLAND, GLENN CO., CAL.—Ehorn & Ehorn of Orland, who purchased from J. D. Smith his patent for an automatic wheel stand, having given a San Francisco and a Los Angeles firm the privilege of selling the stands in the State and also issued contracts to other firms outside of the State. The Ehorns will build a factory in Orland at once to manufacture the stands.

FRESNO, FRESNO CO., CAL.—The Consolidated Pipe Co is planning to locate a factory either in Fresno or near the central part of the State. The president of the company, Gus D. Harper, is now looking over the field.

OAKLAND, CAL.—The Pacific Coast Shredded Wheat Company has made application to the State Corporation Commission to issue all of its capital stock to the parent corporation, which in turn will convey to the Pacific coast branch land in Oakland valued at \$75,000 and will erect thereon a manufacturing plant to cost not less than \$350,000.

REDONDO, LOS ANGELES CO., CAL.—Bonds in the sum of \$70,000 have been sold for the purchase of a site and the construction of a new grammar school building in the southern portion of Redondo Beach. It is proposed to erect a school to contain twelve class rooms and auditorium. Sketches for a one-story building have been prepared by L. B. Pemberton. 900 Auditorium Building, but no definite action has been taken with reference to the selection of an architect or construction details.

HERMOSA BEACH, LOS ANGELES CO., CAL.—The proposition to bond the town for \$15,000 with which to erect an addition to be used for an auditorium to the present school building, failed to carry.

HUNTINGTON PARK, LOS ANGELES CO., CAL.—A special election has been called for June 14th, at which time the proposition of issuing and selling bonds of \$50,000 for the purchase of sites and the erection of school buildings will be voted upon.

COACHELLA, RIVERSIDE CO., CAL.—The special election held to decide the question of issuing bonds of \$25,000 to provide funds for the erection of a school building failed to carry.

FRESNO, FRESNO CO., CAL.—The city officials are considering the proposition of calling a special election at which time the people will decide on the proposition of issuing bonds of \$30,000 for the installation of a municipal incinerator.

second time bids have been rejected. What course will now be taken has not yet been decided upon.

YOLO, YOLO CO., CAL.—Bridge, steel bascule. Cost not stated. Engineer, State Highway Commission, Forum Bldg., Sacramento. Owners, State of California. Plans for the construction of a bascule draw bridge across the Yolo By-Pass, to be located over the borrow pit at the eastern side of the by-pass, on recommendation of the Debris Commission engineers and the State Engineering Department of the Reclamation Board, have been approved.

SAUSALITO, MARIN CO., CAL.—Street improvement, \$20,000. Engineer, Town Engineer, Sausalito. Owners, Town of Sausalito. A resolution ordering the balance of street work to be done in Sausalito and calling for bids on the work, was passed at the last meeting of the Board of Trustees. The proposals call for alternative bids on vitrified and on bituminous brick.

MADERA, MADERA CO., CAL.—Bridge, reinforced concrete, \$10,000. Engineer, City Engineer, Madera. Owners, City of Madera. The Chamber of Commerce has endorsed the proposition to construct a new concrete bridge across the Fresno River at D street. Bonds will probably be voted.

BAKERSFIELD, KERN CO., CAL.—Bridge, reinforced concrete, \$3,000. Engineer, County Surveyor, Bakersfield. Owners, Kern County. The Board of Supervisors of Kern County has passed a resolution appropriating \$3,000 for the construction of a reinforced concrete bridge on the state highway over Cudda Canyon. It will be about 50 feet in length. Plans are being prepared.

VENTURA, VENTURA CO., CAL.—Bridge, steel and reinforced concrete, \$18,000. Engineer, County Surveyor Petit, Ventura. Owners, Ventura County. County Surveyor Petit is preparing plans and specifications for a new bridge to be erected over the Santa Clara River at Sespe. It will be 240 feet long with concrete abutments and steel superstructure.

Contracts Awarded.

SOUTH SAN FRANCISCO, SAN MATEO CO., CAL.—Harbor improvements, \$120,000. Engineers, Haviland, Dozier & Tibbetts, Alaska Commercial Bldg., S. F. Owners, South San Francisco Land and Improvement Co., Monadnock Bldg., S. F. Contractors, San Francisco Bridge Co. Contract price, \$120,000. This contract calls for the carrying out of unit No. 1.

SALINAS, MONTEREY CO., CAL.—Bridge, steel and reinforced concrete, \$33,783. Engineers, Leonard & Day, Rialto Bldg., S. F. Owners, City of Watsonville and Monterey County. Contractors, Foster-Vogt Co., S. F. Contract price, \$33,783.

CHURCHES.

SAN FRANCISCO—Synagogue, 2 story and base, frame and plaster, \$25,000. Architect, E. A. Neumarkel, Sharon Bldg., S. F. Owners, Temple Kenesith Israel. The building will be erected on Webster street between McAllister and Golden Gate, and has been designed to contain a large main auditorium to seat 400 people, rabbi's study and Sunday school room. Interior will be finished in pine and ornamental

plaster. Art glass windows are specified. There will be a central heating system. Exterior of the building will be faced with cement plaster on metal lath. Plans are complete and figures are now being taken.

SAN BERNARDINO, SAN BERNARDINO CO., CAL.—Church, 2 story and base, hollow tile, \$50,000. Architects, Elmore R. Jeffery and Frank R. Schaefer, Wesley-Roberts Bldg., L. A. Owners, First Congregational Church. The building will cover an area of 95 by 150 feet and will be built around a patio, the architecture being in the Mission style. There will be a main auditorium seating 400 people, Sunday school rooms seating 250 people, parlors and pastor's study. Interior will be finished in pine and ornamental plaster. There will be a central heating system. Art glass windows are specified. Exterior of the building will be faced with cement plaster. A clay tile roof will be used. Plans are now being prepared.

INGLEWOOD, LOS ANGELES CO., CAL.—Parish hall and rectory, 1 and 2 story, brick and frame. Cost not stated. Architects, Frohman & Martin, Slavin Bldg., L. A. Owners, Church of the Holy Faith. The parish hall will cover an area of 80 by 30 feet, and will contain an auditorium, class rooms and kitchen. Interior will be finished in pine and hardwood. There will be a central heating system. The rectory will contain nine rooms and three baths, and will be finished in pine and hardwood with hardwood floors in the principal rooms. There will be furnace heat, open fire places and an automatic water heater. Mantels will be of tile. Tile wainscot and floors will be used in the bath rooms. Exterior will be covered with cement plaster on metal lath. Clay tile roofs will be used on both buildings. Plans are complete and figures are being taken.

Contracts Awarded.

SAN JOSE, SANTA CLARA CO., CAL.—Memorial monuments, granite and marble, \$3,000. Architect, August G. Headman, New Call Bldg., S. F. Owners, Neglee Memorial Association. Contractors, Vermont Marble Co., 422 Brannan street, S. F. Contract price, \$3,000. This contract does not include the sculpture work.

FACTORIES AND WAREHOUSES.

SAN FRANCISCO—Winery, 2 story and base, reinforced concrete, \$30,000. Architect not selected. Owners, Promotion Wine and Liquor Co., 537 Front street, S. F. The building will be erected at the corner of Lombard and Columbus avenue, and will cover an area of 147 by 162 feet. The interior has been designed to fit the special needs of the industry. Included in the plans will be a large number of wooden tanks. No interior finish is specified. Modern plumbing and electric work is called for. The exterior of the building will be faced with cement plaster. Further mention of the work will be made when bids are called for.

SOUTH SAN FRANCISCO, SAN MATEO CO., CAL.—Factory, 1 story, frame and corrugated iron. Cost not stated. Architect, none. Owners, Wihl's Manufacturing Co., 506 Gough street, S. F. The building will be erected on a large lot and will be arranged for a factory for the manufacture of belt goods. A

BRIDGES AND DAMS

BAKERSFIELD, KERN CO., CAL.—Cement for bridges. Cost not stated. Engineer, County Surveyor, Bakersfield. Owners, Kern County. The seven bids received by the County Supervisors for furnishing 90,000 barrels of cement have been rejected. A number of the bids were not in correct form and others were too high. This is the

cement floor will be used. Exterior of the building will be covered with corrugated iron. Plans are complete and in the hands of the owner who will do the work by Day Labor.

RICHMOND, CONTRA COSTA CO., CAL.—Plumbing shop, 1 story, frame, \$1,000. Architect, James T. Narbett, Berry Bldg., Richmond. Owners, Spiersch Bros., Richmond. The building has been designed for a modern plumbing shop, the front portion of the building being arranged for retail purposes, the rear for a shop. Interior finish will be of pine. There will be a cement floor and patent store front. Exterior will be covered with rustic and cement plaster on metal lath. Plans are now being prepared.

FIREHOUSES AND JAILS

STOCKTON, SAN JOAQUIN CO., CAL.—Fire house, 1½ story and base, frame, \$8,000. Architect, Ralph P. Morrell, 12 I. O. O. F. Bldg., Stockton. Owners, City of Stockton. Plans have been completed and have received the approval of the City Trustees for a new fire building to be erected on the south side of California street. Bids will be called for at once. The building has been arranged to contain one piece of apparatus and living quarters for the men. The design is what is known as the bungalow style. Exterior will be covered with cement plaster on metal lath.

STOCKTON, SAN JOAQUIN CO., CAL.—Fire house, 1½ story and base, frame, \$8,000. Architect, William B. Thomas, Yosemite Bldg., Stockton. Owners, City of Stockton. This building will be erected on Rose street, and will be similar in design to the building above mentioned. Interior finish will be of pine. A cement floor will be used. Special electric work is specified. Exterior will be covered with pressed brick and rustic. Plans are complete and have received the approval of the city authorities, and bids will be called for shortly.

BAKERSFIELD, KERN CO., CAL.—Jail kitchen equipment. Cost not stated. Architect, O. L. Clark, Brower Bldg., Bakersfield. Owners, Kern County. Plans are now being prepared for the kitchen equipment and laundry machinery for the new jail building. Bids will be called for shortly.

Contracts Awarded.

SAN FRANCISCO—City jail refrigerator and disinfecter. Cost as follows. Architect, City Department of Architecture, Temporary City Hall, S. F. Owners, City and County of San Francisco. Contractors, Burnham Plumbing Co., disinfecter in city and county jail building. Contract price, \$1,395. Wittman-Lyman Co., refrigerating plant and piping. Contract price, \$2,344.

FLATS

SAN FRANCISCO—Flats, 3 story and base, frame, \$4,000. Architect, E. U. Essmann, 3805A 24th street, S. F. Owner, John Boelsens, 216 Cumberland street. The building will be erected on the west side of Church street, south of Cumberland, covering an area of 27½ by 50 feet, and has been arranged to contain two modern flats and a private garage in the basement.

Interior finish will be of pine, redwood and elm panels. Hardwood floors will be used in the living and dining rooms. There will be open fire places with tile or brick mantels. Bath rooms will be finished in tile. Automatic water heaters are specified. Exterior of the building will be covered with rustic and cement plaster on metal lath. Plans are complete and the work will be done by Day Labor. Materials are now being purchased.

SAN FRANCISCO—Flats, 2 story and base, frame, \$5,000. Architect, none. Owner, W. L. Hemming, 126 Post street, S. F. The building will be erected at the northeast corner of California and 15th avenue, covering an area of 25 by 65 feet, and has been designed to contain two flats of five and six rooms each. Interior finish will be of pine and elm. Hardwood floors will be used in the principal rooms. There will be furnace heat and open fire places. Mantels will be of tile or tile or brick. Bath rooms will be finished in tile. Exterior of the building will be faced with cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor.

SAN FRANCISCO—Flat alteration, frame construction, \$4,000. Architect, Walter H. Fernbach, 46 Kearny street, S. F. Owner, Julian H. Olcovich. The building to be altered is located at the southeast corner of Baker and Pine streets. The work will consist of moving the building and raising same. There will be new interior finish, painting, electric work, plumbing and plastering. Some exterior alterations will also be made. Plans are complete and the work will be done by Day Labor.

SAN FRANCISCO—Flats, 2 story and base, frame, \$3,000. Architect, none. Owner, A. M. Sylvia, 371 30th avenue, S. F. The building will be erected on the west side of 25th avenue south of California street, and has been designed to contain two flats with private garage in the basement. Interior will be finished in pine with some elm panels. Hardwood floors will be used in the principal rooms. There will be open fire places and tile or brick mantels. Bath rooms will have tile wainscot. Exterior of the building will be covered with rustic and cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor. Materials are now being purchased.

GOVERNMENT WORK & SUPPLIES

SAN FRANCISCO—Wood and metal working machinery. Cost not stated. Engineer, Constructing Quartermaster, Fort Mason. Owners, U. S. Government. Bids will be received up to and including 10:30 a. m. on June 15th, for furnishing the Constructing Quartermaster's Department at Fort Mason with wood and metal working machinery. Plans can be secured from the office of the Constructing Quartermaster. An official proposal appears in another column of this issue.

San Francisco, Cal., Partition, Etc.

The contract for constructing partition and counter, etc., at the U. S. appraiser's building, San Francisco, Cal., has been awarded to the Fink & Schindler Company at \$735.

Army Work Authorized.

The quartermaster general of the army has directed that repairs be made to the hospital and hospital steward's quarters at Fort Barry, Cal.; the Presidio of San Francisco, Fort Stevens, Ore., and Vancouver Barracks, Wash. The bids in each case will be opened by the constructing quartermaster at the post.

Adobe School Building, N. Mex.

The contract for constructing a building at the Adobe Indian School, N. Mex., has been awarded to V. Cimino, Albuquerque, N. Mex., at \$7,445. H. F. Zillmer was awarded the contract for constructing an employees' quarters at the above school at \$2,610.

Mt. Rainier Park, Wash., Bridge.

The contract for constructing a concrete bridge over Tahoma Creek, Mt. Rainier Park, Wash., has been awarded to M. Hugh & Creelman, of Tacoma, Wash.

Coos Bay, Building.

Bids for the construction of a Coast Guard station, keeper's quarters, and accessories, a boat house, launchway, and jetty at Coos Bay, Ore., opened by the Coast Guard at Washington, D. C.: E. G. Perham, Marshfield, Ore., \$29,900, total; time, 5 months.

Johnson, Larson & Payne, Marshfield, Ore., \$29,848, total; time November 1, 1915.

John William Hillstrom, Marshfield, Ore., \$29,500, total; time, October 16, 1915.

Miami Quarry Co., Portland, Ore., \$46,540, total; time, March 31, 1916.

John Monk, San Francisco, Cal., \$40,000, total; time, October 31, 1915.

Thompson Bridge Co., San Francisco, Cal., \$35,600; time, October 15, 1915.

Hibarger & Telander, Marshfield, Ore., \$39,286, total; October 15, 1915.

McLain, McLean & Wright, Marshfield, Ore., \$37,950, total; time, October 15, 1915.

S. C. Small, Marshfield, Ore., \$35,634, total; time, 90 days.

Fish, Plymale & Stinehoff, Bandon, Ore., \$62,600, total; time, 7 months.

Buckley Construction Co., Portland, Ore., \$14,675, boat house, launchway and jetty; time, November 1, 1915.

McLeran & Peterson, San Francisco, Cal., \$31,075, total; time, 120 days.

Anderson, Klockars & Co., North Bend, Ore., \$38,775, total; time, December 1, 1915.

San Francisco, Cal., Changes.

The contract for changes in parcel post and drop bay in the U. S. post office at San Francisco, Cal., has been awarded to California Artistic Metal & Wire Co. at \$356.

Albany, Ore., Painting.

The following bids were received by the supervising architect, Treasury Department, Washington, D. C., for painting plastering in the U. S. post office at Albany, Ore.:

M. J. Graham, Philadelphia, Pa., \$626.

E. J. Tracy, Albany, Ore., \$650.

Grohne Contracting Co., Joliet, Ill., \$666.

J. P. Sullivan, Chicago, Ill., \$750.

Fred A. Erlson, Salem, Ore., \$1,037.

Kennedy & Brotherton, Albany, Ore., \$1,625.

Riveted Steel Pipe.

Abstract of proposals for riveted steel pipe for lateral 3, High Line unit, Strawberry Valley project, Utah, opened at Los Angeles, Cal.:

Lacy Manufacturing Co., Los Angeles, Cal., \$627; delivered at Los Angeles, Cal., July 6, 1915.

Los Angeles Manufacturing Co., Los Angeles, Cal., \$670; delivered at Los Angeles July 4, 1915.

Llewellyn Iron Works, Los Angeles, Cal., \$757.50; delivered at Los Angeles July 17, 1915.

William B. Pollock Co., Youngstown, Ohio, \$1,000; delivered at Youngstown, Ohio, July 1, 1915.

Provo Foundry and Machine Co., Provo, Utah, \$1,490; delivered at site July 20, 1915.

East Jersey Pipe Co., New York City, \$1,040; delivered at Paterson, N. J., May 31, 1915.

Park City, Utah, Plaster Models.

The following bids were received by the supervising architect, Treasury Department, Washington, D. C., for furnishing plaster models for the U. S. post office at Park City, Utah:

C. W. Buhler, Washington, D. C., \$95.

J. Brys & F. Bruyninck Co., Washington, D. C., \$126.

Lombard & Ludwig, Washington, D. C., \$130.

Emil Jung, Washington, D. C., \$140.

Berkeley, Cal., Post Office.

In the construction of the U. S. post office in Berkeley, Cal., for which the Van Sant-Houghton Co., 503 Market street, San Francisco, Cal., has the contract, ventilator manufactured by the Royal Ventilator Co. will be used.

Medford, Ore., Post Office.

As previously reported, the contract for the construction, complete, of the U. S. post office at Medford, Ore., was awarded to the Sound Construction & Engineering Co., Seattle, Wash., at \$96,123. In the construction of the building fixtures and material manufactured by the following firms will be used: Plumbing fixtures, Federal-Huber Co.; cast iron column radiators and wall radiators, American Radiator Co.; non-conducting coverings, Johns-Manville Co.; radiator valves, Jenkins Bros.; damper regulator, American Radiator Co.; air valves for radiators, Hoffman Specialty Co.; cabinet and tablet, Agutter & Griswald Co.; conduit, Western Conduit Co.; rubber-covered wire, John A. Roebeling's Sons; push-button switches, Hart Mfg. Co.; lighting fixtures, Reading Chandelier Works; pendant switches, Bryant; canopy switches, Cutler-Hammer Mfg. Co.; reflectors and glassware, Macbeth-Evans Co.; do, for type S, Holaphane; air valves for end of steam mains, American Radiator Co.; keyless sockets, Weber.

Park City, Utah, Construction.

The following bids were received by the supervising architect, Treasury Department, Washington, D. C., for the construction, complete, of the U. S. post office at Park City, Utah:

Bid 1. Campbell Building Co., of Utah, Salt Lake City, Utah, \$22,460.

2. George A. Whitmeyer & Sons, Ogden, Utah, \$25,072.

For alternate No. 1 (painting all plastered surfaces of walls and finishing ceilings in distemper, etc., in all finished rooms throughout the building, as specified), add—Bid 1, \$500; 2, \$490.

For alternate No. 2 (substituting terrazzo with marble borders for cement finish for all toilet room floors and marble base for cement base in women's toilet, as specified), add—Bid 1, \$278; 2, \$120.

Amount included for lighting fixtures—Bid 1, \$200; 2, \$265.

Chico, Cal., Post Office.

In the construction of the U. S. post office at Chico, Cal., for which J. B. Duffy, Chico, Cal., has the contract, cabinet and tablet manufactured by the Frank Adam Electric Co., St. Louis, Mo., will be used.

HALLS AND SOCIETY BUILDINGS

OAKLAND, CAL.—Lodge hall addition, 2 story, brick and frame, \$3,500. Architects, Schirmer, Bugbee & Co., Dalziel Bldg., Oakland. Owners, Knights of Columbus. The present lodge building of the Knights of Columbus, located on the north side of 13th street near Grove, will undergo alteration and addition. A two-story brick and frame addition will be erected, containing lodge rooms and offices. Interior finish will be of pine throughout. Hardwood floors will be used. Exterior will be faced with cement plaster. Plans are now being prepared.

SAN ANSELMO, MARIN CO., CAL.—Club house; 1 story and base, frame, \$5,000. Architect, W. Garden Mitchell, Bankers' Investment Bldg., S. F. Owners, Hearthstone Club. The building has been designed for a country club and will contain several large rooms, including spacious living room and dining room. Interior will be finished in pine and redwood. Hardwood floors will be used in the principal rooms. There will be a central heating system, probably furnace heat, and open fire places. Mantels will be of stone and brick. A completely equipped kitchen will be installed. The exterior of the building will be faced with cement plaster on metal lath. Plans are now being prepared.

FRESNO, FRESNO CO., CAL.—Armory and stores, 2 story and base, reinforced concrete, \$25,000. Architect's name not given. Owner, F. P. Black, 1025 K street, Fresno. The building will be erected at the corner of I and Kern streets, and will cover a considerable ground area. Construction will be fireproof, with reinforced concrete walls and floors. There will be a number of modern stores on the first floor. Upper floor will be arranged for an armory. Maple floors will be used. Patent store fronts are specified. There will be steam heat with an oil burning equipment. Exterior of the building will be faced with cement plaster. Plans are now being prepared.

FERNDAL, HUMBOLDT CO., CAL.—Town hall, 1 story, frame. Cost not stated. Architect, none. Owners, Town of Ferndale. Plans have been completed and are now in the hands of the Town Trustees for a combination town hall and fire house. The building will contain an assembly hall, offices of the town clerk and meeting rooms for the trustees. In the rear there

will be accommodations for one or more pieces of fire apparatus. Interior finish will be of pine. Exterior of the building will be covered with cement plaster on metal lath. Plans are now out for figures and bids will be opened on June 7th.

SACRAMENTO, CAL.—Lodge hall, 4 story and base. Class A construction, \$250,000. Architect, R. A. Herold, Forum Bldg., Sacramento. Owners, Sacramento Masonic Temple Association. The building committee of the Masonic Temple Association have notified the architect that extensive revision in the plans and specifications for the proposed class A building to be erected on the property at 12th and J streets will be necessary. Unless these revisions can be made so as to bring the cost of the proposed structure to within \$250,000, the building will not be erected. The architect is now engaged in revising the plans. Further mention will be made of the work when bids are called for.

PORTLAND, ORE.—Stores and lodge rooms, 4 story and base, reinforced concrete, \$100,000. Architects, Camp & DuPuy, 426 East Alder street, Portland. Owners, Odd Fellows Hall Association, East Side Business Men's Club and Citizens' Bank. These three organizations have united in raising the necessary funds for the construction of the proposed building. The building will be erected on Grand avenue and East Alder street, covering an area of 90 by 100 feet. The main floor will be occupied by several stores and the bank, while upper floors will be arranged for offices and lodge rooms. The interior of the bank will be finished in hardwood, marble and ornamental plaster. Upper floors will be finished in pine and hardwood. There will be steam heat, elevator service and vacuum cleaning and hot and cold water supply. Patent store fronts and metal window sash and frames are specified. Exterior of the building will be faced with cement plaster. Plans are now being prepared.

HOSPITALS

PORTLAND, ORE.—Hospital, 2 story and base, hollow tile construction, \$20,000. Architects, Tourtellotte & Hummel, Rothchild Bldg., Portland. Owners, Emanuel Lutheran Hospital. This building will be erected on the property at the corner of Stanton and Commercial streets, covering an area of 42 by 100 feet. Interior will be arranged for a number of private rooms, two wards, office and operating room. Interior finish will be of pine, hardwood and white enamel. Hardwood and tile floors will be used. Each private room will have a bath. There will be steam heat, oil burning equipment, hot and cold water supply and vacuum cleaning. Exterior of the building will be faced with stucco and brick veneer. Plans are now being prepared.

FRESNO, FRESNO CO., CAL.—Hospital painting, \$2,775. Architect, none. Owners, Fresno County. Contractor, George Churcher, 308 Glenn street, Fresno. Contract price, \$2,775.

LOS ANGELES, CAL.—Hospital wards, 2, 2 story and base, brick, \$44,000. Architect, George Law, supervising architect, L. A. Owners, Los Angeles County. Contractors, Davidson

Construction Co., 16th and Tennessee streets, L. A. Contract price, \$44,000.

LOS ANGELES, CAL.—Library, 1 story and base, brick, \$30,000. Architect, Lester L. Hibbard, Marsh-Strong Bldg., L. A. Owners, City of Los Angeles. The building will be erected at the corner of North Workman and Avenue 26th, and has been designed in the classic style. There will be two reading rooms, office and stack room. Basement will be arranged for an auditorium seating 300 people. Interior will be finished in pine and hardwood with maple floors. There will be steam heat and vacuum cleaning. Metal book stacks will be used. Exterior of the building will be faced with pressed brick trimmed with terra cotta. Plans are now being prepared.

OAKLAND, CAL.—Hospital addition, 1 story, brick, \$5,000. Architect, Walter J. Mathews, 927 Broadway, Oakland. Owners, Merritt Hospital. The new portion of the building is a part of extensive improvements to be made later. There will be a steel frame and brick exterior walls. Plans are complete and figures are now being taken.

OAKLAND, CAL.—Hospital addition, 2 story and base, brick and steel, \$60,000. Architect, Walter J. Mathews, 927 Broadway, Oakland. Owners, Merritt Hospital. The addition will cover a large ground area, and when complete will be arranged for private rooms, operating room and office. Interior will be finished in pine, tile and white enamel. Hardwood floors will be used. There will be steam heat, a hot water supply and vacuum cleaning. Exterior of the building will be faced with pressed brick. Plans are being prepared but figures will not be taken for some time.

Contracts Awarded.

PENDLETON, ORE.—Hospital, 3 story and base, reinforced concrete, \$83,125. Architect, W. C. Knighton, Salem, Ore. Owners, Eastern Oregon State Hospital. Contractors, Olson & Johnson, Missoula, Mont. Contract price, \$83,125.

HOTELS

SAN FRANCISCO—Hotel and stores, 6 story and base, reinforced concrete and steel, \$35,000. Architect, Edward T. Foulkes, Crocker Bldg., S. F. Owner, Dr. F. C. Keek. The building will be erected at the northeast corner of O'Farrell and Leavenworth streets, having a frontage of 25 feet 9 inches on O'Farrell street and 76 feet 9 inches on Leavenworth. There will be three stores besides the hotel lobby on the first floor. Upper floors will be arranged for a family hotel. All rooms will have private baths and wall beds. Interior finish will be of pine with some elm panels and hardwood floors. Plans provide for steam heat, automatic elevator and hot and cold water supply. Entrance vestibule will be finished with marble wainscot. Exterior of the building will be faced with cement plaster. Plans are complete and figures are now being taken.

SAN FRANCISCO—Hotel and stores, 5 story and base, Class C construction, \$25,000. Architects, Rousseau & Rousseau, French Bank Bldg., S. F. Owners, Gerard Investment Co. The building will be erected on the east side of 4th street, 85 feet north of Howard, and will have a frontage of

44 feet and a depth of 90 feet. The main floor will contain two stores beside the hotel office and lobby. Upper floors will be arranged for a number of sleeping rooms and baths. Interior finish will be of pine throughout. There will be marble base and wainscot. Plans provide for steam heat and automatic elevator and hot and cold water supply. An oil burning plant will be installed. Bath rooms will be finished in tile. Patent store fronts will be used. Exterior of the building will be faced with pressed brick, trimmed with marble inserts. Plans are complete and segregated figures are now being taken.

SAN FRANCISCO—Hotel completion, 6 story and base, Class C construction, \$35,000. Architect, J. R. Miller, Lick Bldg., S. F. Owner, Prior Estate. The building at the northwest corner of Eddy and Mason streets will be completed shortly. Included in the work will be all mill work, interior finish, electric work, plumbing, heating, plastering, door and sash work and painting and decorating. Bids will be called for shortly.

SAN FRANCISCO—Hotel and stores, 3 story and base, frame, \$30,000. Architect, none. Owners, McKillop Bros., 540 Cole street, S. F. The building will be erected on the west side of Mission street north of 14th, and will have a frontage of 50 feet by a depth of 100 feet. There will be stores on the first floor besides the hotel lobby. Upper floors will be arranged for a number of single rooms and baths. Interior will be finished in pine throughout. There will be steam heat and a hot water supply. Bath rooms will have tile floors and wainscot. Patent store fronts will be used. Exterior of the building will be faced with pressed brick. Plans are complete and in the hands of the owners who will do the work by Day Labor. Materials are now being purchased.

LIBRARIES.

GRASS VALLEY, NEVADA CO., CAL.—Library, 1 story and base, class C construction, \$20,000. Architect, William Mooser, Nevada Bank Bldg., S. F. Owners, Town of Grass Valley. The building has been designed in the classic style and will contain two reading rooms, lobby reception room, office of the librarian and stack room. Interior finish will be of pine and hardwood with maple floors. Metal window sash will be used. Plans provide for a central heating system, probably steam heat with an oil burning furnace. Exterior of the building will be faced with pressed brick veneer. A vacuum cleaning system is also specified. Plans are complete and figures will be called for shortly.

POST OFFICES.

Contracts Awarded.

EVERETT, WASH.—Post office, 2 story and brick, \$111,319. Architect, Supervising Architect Oscar Wenderoth, Washington, D. C. Owners, United States Government. Contractors, Hendrickson & Co., Alaska Bldg., Seattle. Contract price, \$111,319.

RAILROAD CONSTRUCTION AND EQUIPMENT.

TACOMA, WASH.—Passenger station, 1, 2 and 3 story and base, reinforced concrete, \$400,000. Engineer, Engineering Dept. Chicago, Milwaukee and St. Paul R. R. Co., Chicago. Owners, Chicago, Milwaukee and St. Paul. The building will be erected on property at the corner of 25th and East A streets, and will cover a large ground area. Construction will be fireproof throughout. Details of the plans have not been given out. Further mention will be made of the work when bids are called for.

RESIDENCES.

SAN FRANCISCO—Residence, 2 story and base, brick and frame, \$35,000. Architect, G. A. Applegarth, Call Bldg., S. F. Owner, Mrs. M. R. Sutton. The dwelling will be erected in West Clay Park, and has been designed to contain fourteen rooms, several baths and conservatory. Interior finish will be of pine and hardwood, with white enamel in the bed rooms. Hardwood floors will be used throughout. There will be a central heating system, probably steam heat or hot water system. A hot water circulating system and vacuum cleaning are also specified. Plans provide for open fire places with tile or brick mantels. Bath rooms will be finished in tile and equipped with high grade plumbing fixtures. Exterior of the house will be covered with pressed brick and cement plaster. Plans are complete and figures will be called for shortly.

SAN FRANCISCO—Residence, 2 story and base, frame, \$2,500. Architect, none. Owner, F. Nelson, 30 Presidio Terrace. The dwelling will be erected on the north side of Parnassus avenue west of Hillway, and has been designed to contain six rooms and bath. Interior finish will be of pine throughout. Hardwood floors will be used in the living and dining rooms. There will be a large open fire place with tile or brick mantel. The wainscot will be used in the bath room. An automatic water heater is specified. Exterior of the dwelling will be covered with rustic and cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor.

SAN FRANCISCO—Residence, 2 story and base, frame. Cost not stated. Architect, Albert Farr, Foxcroft Bldg., S. F. Owner, William Little. The dwelling has been designed to contain seven rooms, bath and sleeping porch, and will be erected on 17th avenue near Lake. Interior finish will be of pine with some elm panels. Hardwood floors will be used in the living room, dining room and reception hall. There will be furnace heat and open fire places. Mantels will be of brick. Tile wainscot and floors will be used in the bath room. An automatic water heater is specified. Exterior will be covered with cement plaster on metal lath. Plans are complete and figures are now being taken.

SAN FRANCISCO—Residence, 2 story and base, frame, \$9,500. Architect, Frank S. Holland, 100 Haight street, S. F. Owner's name withheld. The dwelling will be erected in Ash-

bury Heights, and has been designed to contain nine rooms, bath and sleeping porch. A one-story concrete garage will be erected in the rear of the property. Interior of the dwelling will be finished in hardwood and white enamel and pine. Hardwood floors will be used throughout. There will be furnace heat and open fire places. An automatic water heater will be installed. Mantels will be of brick. Bath room will be finished in tile and equipped with shower baths. Exterior of the dwelling and garage will be faced with brick, klunker brick veneer and cement plaster. Plans are now being prepared.

SAN FRANCISCO—Residences, 2, 3 story and base, frame, \$12,000 each. Architect, E. E. Young, 251 Kearny street, S. F. Owner, William A. Little, 1347 4th avenue, S. F. These dwellings will be erected on the west side of Devisadero street, south of Green, and each has been designed to contain nine rooms, two baths and sleeping porches. Interior will be finished in pine, redwood, hardwood veneer and white enamel. Hardwood floors will be used in the principal rooms. There will be furnace heat, open fire places and hot water circulating system. Mantels will be of tile or brick. Bath rooms will have tile floors and wainscot. Exteriors will be faced with cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor. Materials are now being purchased.

FRESNO, FRESNO CO., CAL.—Residence, 1 story and base, frame, \$2,500. Architect, none. Owner, Ada M. Robinson, Fresno. The dwelling will be erected in the Shanklin Addition, and has been designed to contain five rooms and bath. Interior finish will be of pine and redwood. Hardwood floors will be used in the principal rooms. There will be an open fire place in the living room with tile or brick mantel. Bath room will have tile wainscot. An automatic water heater is specified. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor.

EASTON, SAN MATEO CO., CAL.—Residence, 1 story and base, frame. Cost not stated. Architect, Fay Spangler, 402 Monadnock Bldg., S. F. Owner's name withheld. Plans are complete and figures are now being taken on the mill work, lumber, painting, plastering, plumbing, electric work and finish hardware for the above mentioned dwelling.

BURLINGAME, SAN MATEO CO., CAL.—Residence, 2 story and base, frame and plaster, \$35,000. Architect, Albert Farr, Foxcroft Bldg., S. F. Owner, Edward Christenson. The dwelling has been designed for a large country home and will occupy an attractive site. There will be fourteen rooms, several baths and sleeping porches. Interior will be finished in pine and hardwood with white enamel in the bed rooms. Plans provide for a central heating system, probably hot air with an oil burning furnace. Brick fire places will be used in several rooms. Mantels will be of tile or brick. Bath rooms will have tile floors and wainscot. Vacuum cleaning is specified. The exterior of the dwelling will be faced with cement plaster on metal

lath. A red tile roof will be used. Preliminary plans only have been prepared. Further mention will be made of the work.

FRESNO, FRESNO CO., CAL.—Residence, 1 story and base, frame, \$2,500. Architect, none. Owner, W. Purdin, 2970 Washington street, Fresno. The dwelling will be erected in the Hazelwood Addition, and has been designed for a six-room house with bath and sleeping porch. Interior finish will be of pine and redwood. Some hardwood floors will be used. There will be open fire place and tile or brick mantel. Tile wainscot will be used in the bath room. An automatic water heater will be installed. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor.

PORTLAND, ORE. — Residence, 3 story and base, frame. Cost not stated. Architects, Doyle & Patterson, Worcester Bldg., Portland. Owner, A. Cerdorfer. The dwelling will be erected at the southwest corner of Vista avenue and Carter boulevard, and has been designed to contain fourteen rooms, several baths and sleeping porch. Interior will be finished in pine, hardwood and "white enamel. Hardwood floors will be used in the principal rooms. There will be a central heating system, probably hot air, open fire places, and vacuum cleaning. Mantels will be of tile or brick. A hot water circulating system is also specified. Bath rooms will be finished in tile. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are complete and figures are now being taken.

OAKLAND, CAL.—Residence, 2 story and base, frame, \$8,500. Architect, Edward T. Foulkes, Crocker Bldg., S. F. Owner, L. S. Scott. The dwelling will be erected on Ashmont near Mandana, and has been designed for an eight-room house with two baths and sleeping porch. Interior will be finished in pine and hardwoods with white enamel in the bed rooms. Hardwood floors will be used in the principal rooms. There will be furnace heat and open fire places. Mantels will be of tile and brick. Automatic water heater will be installed. Bath rooms will be finished in tile. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are complete and out for figures.

PALO ALTO, SANTA CLARA CO., CAL.—Residence, 1½ story and base, frame, \$2,500. Architect, Maxwell G. Bugbee, Lick Bldg., S. F. Owner, Mrs. E. E. Lyon. The dwelling will be erected in the Stanford Tract and has been designed for a six-room house with bath and two sleeping porches. Interior will be finished in pine and redwood with some white enamel. Hardwood floors will be used. There will be an automatic water heater. Bath rooms will have tile wainscot. There will be an open fire place in the living room with brick mantel. Exterior of the dwelling will be covered with shakes. Plans are complete and figures are being taken.

BERKELEY, ALAMEDA CO., CAL.—Residence, 2 story and base, frame, \$8,000. Architect, J. W. Plachek, Acheson Bldg., Berkeley. Owner, J. Donahue. The dwelling has been designed for an eight-room house with

two baths and sleeping porch, and will be erected in the Claremont Tract. Interior will be finished in pine, hardwood and white enamel. Hardwood floors will be used in the principal rooms. There will be furnace heat and open fire places. An automatic water heater will be installed. Bath rooms will be finished in tile. Exterior of the house will be covered with cement plaster on metal lath. Plans are now out for figures.

SAN FRANCISCO—Residences, 2, 2 story and base, frame, \$3,000. Architect, none. Owner, C. A. Hall, 1318 5th avenue, S. F. These two houses will be erected on the west side of 11th avenue south of Balboa, and each will contain six rooms and bath. Basements will be arranged for garages. Interiors will be finished in pine with some elm panels. Hardwood floors will be used in the living and dining rooms. There will be open fire places and tile or brick mantels. Bath rooms will have tile wainscot. An automatic water heater will be installed. Exterior of the houses will be covered with cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor.

SAN FRANCISCO—Residences, 3, 2 story and base, frame, \$2,500 each. Architect, none. Owners, Smith Bros., 35 Delano avenue, S. F. These houses will be erected on the north side of San Ysabel avenue east of San Jose avenue, and each has been designed to contain five rooms and bath. Interiors will be finished in pine and redwood. Some oak floors will be used. There will be open fire places in the living rooms with tile or brick mantels. Tile wainscot will be used in the bath rooms. Exteriors will be covered with rustic and cement plaster on metal lath. Plans are complete and in the hands of the owners who will do the work by Day Labor.

REDWOOD CITY, SAN MATEO CO., CAL.—Residence, 2 story and base, frame, \$4,000. Architect, J. W. Plachek, Acheson Bldg., Berkeley. Owner, Stanford Elliott. The dwelling has been designed for a seven-room house with bath and sleeping porch. Interior will be finished in pine and elm panels. Some white enamel will be used in the bed rooms. Hardwood floors are specified. Bath room will have tile wainscot. An automatic water heater will be installed. Exterior of the house will be covered with cement plaster on metal lath. Plans are now being prepared.

SACRAMENTO, CAL.—Residence, 1 story and base, frame, \$1,500. Architect, none. Owner, A. E. Hargrave, 3521 Orange street, Sacramento. The dwelling will be erected on Donner avenue, and has been designed to contain five rooms and bath. Interior will be finished in pine and redwood. There will be an open fire place and tile or brick mantel. Exterior of the dwelling will be covered with rustic and cement plaster. Plans are complete and in the hands of the owner who will do the work by Day Labor. Materials are now being purchased.

FRESNO, FRESNO CO., CAL.—Residence, 1 story and base, frame, \$1,500. Architect, none. Owner, J. E. Saylor, 2561 Emma street, Fresno. The dwelling will be erected in the Buena Vista Tract, and has been designed for a

five-room house with bath and sleeping porch. Interior will be finished in pine and redwood. Some oak floors will be used. There will be an open fire place and tile or brick mantel. Bath room will have tile wainscot. Exterior of the house will be covered with rustic and cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor.

SEWERS, STREET WORK & WATER SYSTEMS.

CALIFORNIA—State highway construction. Cost as follows. Engineer, State Highway Commission, Forum Bldg., Sacramento. Owners, State of California. Bids opened by the State Highway Commission for work in the following counties were as follows: Tehama, Div. 2, Route 3, Sec. C, H. H. & T. W. Harlan, Williams, low at \$49,990.70; Tehama, Div. 2, Route 3, Sec. B, Hoffman & McLaren, Oakland, \$43,657; Los Angeles, Div. 7, Route 4, Sec. A, Homer R. Kennedy & Frank Williams, L. A., \$21,100.70; Kings, Div. 6, Route 10, Sec. A, George S. Benson, L. A., \$50,211.90; plate girder bascule bridge over Yolo By-Pass, Ross Construction Co., Sacramento, \$24,906. Contracts have not been awarded. A complete list of the bids together with a list of the materials furnished by the state and the engineer's estimate will be found under the heading of San Francisco in this issue.

EL CENTRO, IMPERIAL CO., CAL.—Sewer systems, \$315,000. Engineers, Olmsted & Gillelen, Hollingsworth Bldg., L. A. Owners, Cities of El Centro and Imperial. The cities of El Centro and Imperial have voted bonds in the sum of \$315,000 for the construction of municipal sewer systems. El Centro voted \$250,000 and Imperial voted \$65,000. The cities will join in the construction of an outfall sewer to New River.

PORTERVILLE, TULARE CO., CAL.—Street paving. Cost not stated. Engineer, City Engineer, Porterville. Owners, City of Porterville. Additional street work has been ordered by the City Council. A resolution of intention prevailed at the last meeting by unanimous vote for the construction of 377 feet of asphalt-concrete covering in Bellevue avenue from the High School campus to the city limits. This construction means that all entrances to the city will be paved.

SAUSALITO, MARIN CO., CAL.—Electrolliers. Cost not stated. Engineer, Town Engineer, Sausalito. Owners, Town of Sausalito. The Town Engineer has been instructed by the Town Trustees to prepare plans and estimates for conduit and the installation of electrolliers in certain streets in Sausalito.

SAUSALITO, MARIN CO., CAL.—Street work. Cost not stated. Engineer, Town Engineer, Sausalito. Owners, Town of Sausalito. Bids will be opened on June 7th by the Town Trustees for grading, rolling, laying concrete base and asphaltic surface, brick surface, constructing curbs, gutters, drains, laying of pipes and culverts, constructing catch basins, and all other work necessary to completely pave a number of unimproved streets. Plans

and specifications can be secured from the Town Clerk.

RICHMOND, CONTRA COSTA CO., CAL.—Street and sewer work. Cost not stated. Engineer, City Engineer, Richmond. Owners, City of Richmond. Plans and specifications submitted to the City Council by Paving Contractor W. L. Raven for the improvement of a portion of Thirtieth street, the installation of three lateral sewers on a portion of the street, and for improvement work on Meade street and Seagate avenue in the Harbor Front Tract were adopted.

PETALUMA, SONOMA CO., CAL.—Release of paving contract. Cost not stated. Engineer, City Engineer, Petaluma. Owners, City of Petaluma. Eaton & Smith of San Francisco have secured a release from their contract to pave Washington street with patented pavement, owing to the refusal of Warren Bros. of Los Angeles to permit the firm to comply with the contract. The matter of calling for new bids on this work will be taken up by the Council at their next meeting.

PETALUMA, SONOMA CO., CAL.—Sewer construction. Cost not stated. Engineer, City Engineer, Petaluma. Owners, City of Petaluma. The construction of a sewer in I street from eighth street to the city limits was ordered by the Council at their last meeting.

RICHMOND, CONTRA COSTA CO., CAL.—Street viaduct, steel, \$9,000. Engineer, City Engineer Chapman, Richmond. Owners, City of Richmond. Plans and specifications for opening 7th street, north, underneath the main line tracks of the Atchison, Topeka & Santa Fe Railway, have been accepted by City Engineer Chapman at a recent conference with the officials of that company in Los Angeles. Work will soon be commenced on the construction of an all steel viaduct as soon as the Street Commissioners of Richmond can file their report. Construction will be of steel with a span of 60 feet.

Contracts Awarded.

SACRAMENTO, CAL.—Sewer construction, Unit No. 1, \$42,460. Engineer, City Engineer, Sacramento. Owners, City of Sacramento. Contractors, Matthews Construction Co., Sacramento. Contract price, \$42,460.

RICHMOND, CONTRA COSTA CO., CAL.—Street paving, \$4,909.72. Engineer, City Engineer Chapman, Richmond. Owners, City of Richmond. Contractor, E. H. Higgins, Richmond. Contract price, \$4,909.72.

EUREKA, HUMBOLDT CO., CAL.—Street paving, \$4,424. Engineer, City Engineer, Eureka. Owners, City of Eureka. Contractor, John F. Devoy, Eureka. Contract price, \$4,424.

BAKERSFIELD, KERN CO., CAL.—Highway construction, \$18,901.76. Engineer, County Surveyor, Bakersfield. Owners, Kern County. Contractor, William J. Cahill, Bakersfield. Contract price, \$18,901.76. This contract covers the construction of Div. 10, Sec. 2, of the Bakersfield-Mojave highway.

SCHOOLS.

SHERIDAN, ORE. School, 1 story and base, brick and concrete, \$20,000.

Architect, Ernest Kroner, Worcester Bldg., Portland. Owners, City of Sheridan. The building will cover an area of 52 by 110 feet, and has been designed to contain eight standard class rooms, auditorium, library, teachers' room and principal's office. Interior finish will be of pine throughout. Maple floors will be used in the class rooms. There will be a central heating system, probably furnace heat, modern school plumbing, program clocks and vacuum cleaning. Exterior of the building will be faced with a light colored pressed brick. Plans are now being prepared. Further mention will be made of the work when figures are called for.

BERKELEY, ALAMEDA CO., CAL.—School, 1 story and base, frame and plaster, \$36,000. Architect, Walter D. Reed, Oakland Bank of Savings Bldg., Oakland. Owners, City of Berkeley. The building will be erected on University avenue between Curtis and Bonar streets, and will cover a considerable ground area. There will be eight class rooms, auditorium seating 500 people, principal's office, teachers' room and library. Interior finish will be of pine with maple floors in the class rooms. Steam heat with an oil burning equipment is specified. Marble and tile wainscot will be used in the toilets. Modern school plumbing, vacuum cleaning and program clocks are specified. Exterior of the building will be faced with cement plaster on metal lath. Plans are complete and figures are now being called. Bids will be opened on June 8th at 10 a. m.

CARUTHERS, FRESNO CO., CAL.—School, 1 story and base, brick, concrete and frame. Cost not stated. Architect, Ernest J. Kump, Rowell Bldg., Fresno. Owners, Caruthers Union High School District. The building will contain an auditorium, laboratories and office besides the usual class rooms. Interior will be finished in pine throughout with maple floors in the class rooms. There will be a central heating system with oil burning furnace. Plans provide for modern school plumbing, program clocks and vacuum cleaning. Exterior will be faced with cement plaster. Plans are complete and figures are being taken. Bids will be opened on June 10th. Plans and specifications can be secured from the architect.

WOODLAKE, TULARE CO., CAL.—School, 1 story and base, brick, \$25,000. Architect, O. L. Clark, Brower Bldg., Bakersfield. Owners, Woodlake School District. The building has been designed for a High School, and will contain six class rooms, auditorium and laboratories. Interior will be finished in pine with maple floors in the class rooms. There will be a central heating system and oil burning furnace. Plans provide for modern school plumbing and program clocks. Exterior of the building will be faced with pressed brick. Plans are being prepared and further mention will be made of the work when bids are called.

EL CENTRO, IMPERIAL CO., CAL.—School, 1 story and base, brick, \$30,000. Architect, Fred T. Harris, Opera House Bldg., El Centro. Owners, El Centro Grammar School District. The building has been designed in the Mis-

sion style and will contain eight standard size class rooms, office and an auditorium seating 500 people. Interior will be finished in pine with maple floors in the class rooms. There will be a central heating system, modern school plumbing and electric work. Exterior will be faced with cement plaster. Plans are complete and figures are being taken. Bids will be opened on June 12th. Plans and specifications can be secured from the architect.

HYDE PARK, LOS ANGELES CO., CAL.—School, 1 story and base, brick or hollow tile, \$25,000. Architect, T. F. Powers, Higgins Bldg., L. A. Owners, Hyde Park School District. The building will be erected on Angelus Mesa, and has been designed to contain six class rooms. Interior will be finished in pine. Maple floors will be used in the class rooms. There will be a central heating system and modern school plumbing. An oil burning furnace will be installed. Exterior of the building will be faced with cement plaster. Plans are now being prepared.

LOS ANGELES, CAL.—School, 1 story and base, brick, \$45,000. Architect, Alfred W. Reed and Charles E. Garstang, Black Bldg., L. A. Owners, City of Los Angeles. This building, which will be erected on Budlong avenue, has been out for figures but all bids were rejected. Plans have been revised and new bids are now being taken.

HYDE PARK, LOS ANGELES CO., CAL.—School group, 1 and 2 story, brick and hollow tile. Cost not stated. Architect, George A. Howard, Jr., Grant Bldg., L. A. Owners, Hyde Park School District. There will be a two-story administration building 100 by 100 feet and four smaller structures. The administration building will contain offices, class rooms and an auditorium seating 500 people. The smaller buildings will each contain two class rooms. Interiors will be finished in pine. There will be a central heating system housed in a separate building. Modern school plumbing, vacuum cleaning and program clocks are specified. Exteriors will be faced with cement plaster trimmed with pressed brick. Plans are complete and figures are being taken. Separate bids will be taken for the general construction of the administration building, heating, electric work, plumbing and painting. Bids will be opened on June 7th at 8 p. m.

Contracts Awarded.

LOS ANGELES, CAL.—School, 2 story and base, brick, \$21,640. Architects, Montgomery & Montgomery, Trust and Savings Bldg., L. A. Owners, City of Los Angeles. Contractor, B. D. Kronnick, 3901 South Hill street, L. A. Contract price, \$21,640.

LOS ANGELES, CAL.—School group, 2 and 3 story and base, brick, \$134,616. Architects, Elmore R. Jeffery and Frank R. Schaefer, Citizens' National Bank Bldg., L. A. Owners, City of Los Angeles. Contractors, Los Angeles Planing Mill Co., 1811 Industrial street, L. A., general construction, \$134,616.

HUNTINGTON BEACH, LOS ANGELES CO., CAL.—School, 1 story and base, hollow tile, \$46,000. Architect, John C. Smith, H. W. Hellman Bldg., L. A. Owners, Huntington Beach School District. Contractor, Harvey Garber, Orange, general construction, \$40,694; J. M. Mullins, Electric Co., Baker-Dettwiller Bldg., L. A., electric work; Hig-

gins & Ormsby, Huntington Beach, painting, \$1,450; Foss & Jones, Pasadena, heating and ventilating, \$4,157; and Southern California Electric Co., program clocks, \$558.

ELLENBURG, WASH.—School dormitory, 2 story and base, brick and stone, \$21,172. Architect, W. W. De Veaux, North Yakima. Owners, State of Washington. Contractors, Fulton & Carlson, Ellensburg. Contract price, \$21,172.

STORES AND OFFICES.

SAN FRANCISCO—Stores and lofts, 3 story and base, class A construction. Cost not stated. Architects, Wright & Rushforth, 354 Pine street, S. F. Owner's name withheld. The architects have just taken bids for the piling and foundation work for a commercial building which is to be erected on Beale street, between Market and Mission. The piling and foundation work is all that will be undertaken at this time, but eventually a three-story building will be erected covering an area of 81 by 137-6. Further mention will be made of this work when figures are called for.

OAKLAND, CAL.—Terminal building, 10 story and base, class A construction, \$1,000,000. Architect, O. G. Traphagen, 244 California street, S. F. Owners, Southern Pacific Co. Preliminary plans have been prepared and approved by the Southern Pacific Co. for a ten-story class A terminal and office building which it is proposed to erect on property bounded by 13th, Franklin, Webster and 14th streets. Construction will be of the class A type throughout with a complete steel frame and brick exterior walls faced with terra cotta. Interior has been designed to house exterior clerical force of the company. Interior finish will be of pine and hardwood. There will be adequate elevator service, steam heat and vacuum cleaning. Further details of the work will be given shortly.

HONOLULU, HAWAII—Stores and offices, 3 story and base, reinforced concrete, \$50,000. Architects, Ripley & Davis, Honolulu. Owners, Star-Bulletin Publishing Co. Honolulu. The building will cover considerable ground area and will be fireproof throughout with reinforced concrete walls and floors. The main floor will be occupied by the business office of the Star-Bulletin Publishing Co. Upper floors will be arranged for modern offices. Interior finish will be of pine and redwood and native wood. There will be elevator service, vacuum cleaning and a hot and cold water supply. Metal window sash and frames are specified. Exterior of the building will be faced with cement plaster. Plans are now being prepared.

SAN FRANCISCO—Stores and lofts, 3 story and base, brick and steel, \$30,000. Architect, Louis C. Mullgardt, Chronicle Bldg., S. F. Owners, E. A. Howard & Co. The building will be erected on the north side of Mission street east of Beale, and has been designed for stores on the first floor and lofts above. Interior will be finished in pine. There will be a freight elevator. Patent store fronts are specified. Exterior will be faced with pressed brick. The foundation work is now being

done by Day Labor and the balance of the work will be done by the owners under the same system.

Contracts Awarded.

RICHMOND, CONTRA COSTA CO., CAL.—Store, 1 story and base, brick, \$2,840. Architect, James T. Narbett, Berry Bldg., Richmond. Owner, Fred C. Schram, Richmond. Contractor, Carl Overaa, Richmond. Contract price, \$2,840.

THEATRES.

OAKLAND, CAL.—Theatre addition and alteration, \$5,000. Architect, none. Owners, Jespersen & Dippo, 878 54th street, Oakland. The work will consist of building brick walls and construction of a large gallery. Interior will also be remodeled and new interior painting and decorating will be required. The building will also be rewired. Plans are complete and in the hands of the owners who will do the work by Day Labor.

OAKLAND, CAL.—Theatre and stores, 3 story and base. Class A construction, \$100,000. Architect, Edward T. Foulkes, Crocker Bldg., S. F. Owner, McPike, leased to the Bishop Co. The building will be erected on the east side of Franklin street north of 14th, and will cover a large ground area. There will be nine stores on the first floor besides the main theatre and lobby. Interior of the theatre will be finished in hardwoods, metal and ornamental plaster. There will be a complete steel frame with brick walls faced with pressed brick trimmed with terra cotta. Plans provide for steam heat, a modern system of ventilating and metal window sash and frames. Patent store fronts are specified. Plans are complete and figures will be called for at once.

SEALED PROPOSALS

PROPOSALS FOR CANAL SUPPLIES.

PANAMA CIRCULAR 927—Proposals for the Purchase of Miscellaneous Iron and Steel Scrap and Scrap Rail Offered For Sale by the Panama Canal and Which Is No Longer Needed.—Sealed proposals will be received at the office of the general purchasing officer, the Panama Canal, Washington, D. C., until **10:30 a. m. June 7, 1915**, at which time they will be opened in public, for purchasing the above mentioned articles. Blanks and general information relating to this circular (No. 927) may be obtained from this office or the office of the assistant purchasing agent, Fort Mason, Cal.; also from the U. S. engineer offices in the following cities: Seattle, Wash.; Los Angeles, Cal. F. C. BOGGS, major, corps of engineers, U. S. army, general purchasing officer.

PROPOSALS FOR CANAL SUPPLIES.

PANAMA CANAL CIRCULAR 930—Proposals for Steel Shapes and Plates, Cold Rolled Steel, Steel and Iron Castings, Wrought Iron and Steel Pipe, Bolts, Boat Spikes, Turnbuckles, Wire Netting, Steel Wire, Anchors, Chain, Ship Augurs and Bits, Mattocks, Wheelbarrows, Throttle Valves, Water Closets, Laundry Soap, Gasoline, Paper, and Lumber.—Sealed proposals will be received at the office of the general purchasing officer, the Panama Canal, Washington, D. C., until **10:30 a. m. June 11, 1915**, at which time they will be opened in public, for furnishing the above mentioned articles. Blanks and general information relating to this circular (No. 930) may be obtained from this office or the office of the assistant purchasing agent, Fort Mason, Cal.; also from the U. S. engineer of-

ices in the following cities: Seattle, Wash.; Los Angeles, Cal. F. C. BOGGS, Major, Corps of Engineers, U. S. Army, General Purchasing Officer.

PROPOSALS FOR LUMBER.

LUMBER—Office Depot Quartermaster, Seattle, Wash.—Proposals will be received here until **11 a. m. June 8, 1915**, for furnishing at Puget Sound points accessible to vessels of deep draft or at Manila, P. I., 600,000 feet, B. M., Oregon pine lumber for Philippine Islands. Information on application. **GEORGE B. DAVIS**, Colonel, Q. M. Corps, Depot Q. M.

PROPOSALS FOR CANAL SUPPLIES.

PANAMA CIRCULAR 929—Proposals for Hay.—Sealed proposals will be received at the office of the General Purchasing Officer, the Panama Canal, Washington, D. C., until **10:30 a. m. June 14, 1915**, at which time they will be opened in public, for furnishing the above mentioned articles. Blanks and general information relating to this circular (No. 929) may be obtained from this office or the office of the assistant purchasing agent, Fort Mason, Cal.; also from the U. S. engineer offices in the following cities: Seattle, Wash.; Los Angeles, Cal. F. C. BOGGS, Major, Corps of Engineers, U. S. Army, General Purchasing Officer.

PROPOSALS FOR CANAL SUPPLIES.

PANAMA CANAL CIRCULAR No. 931—Office of the General Purchasing Officer, Panama Canal, Washington, D. C.—Sealed proposals will be received here until **June 12, 1915**, for the annual estimate of lubricating oils and greases, including valve oil, air compressor, cylinder oil, marine engine oil, stationary engine oil, non-liquid oil, greases and gasoline for the fiscal year ending June 30, 1916. For further information address **F. C. BOGGS**, Major, Corps of Engineers, U. S. Army, General Purchasing Officer.

PROPOSALS FOR OIL BURNING PLANT.

OIL BURNING PLANT—Treasury Department, Supervising Architect's Office, Washington, D. C.—Sealed proposals will be opened in this office at **3 p. m. June 24, 1915**, for an oil burning plant for heating boilers in the U. S. marine hospital at Port Townsend, Wash., in accordance with specification and drawing, copies of which may be obtained at this office or at the office of the custodian at Port Townsend, Wash., in the discretion of the Supervising Architect, **JOSEPH A. WETMORE**, Acting Supervising Architect.

PROPOSALS FOR BUILDING.

BUILDING—Fort Stevens, Ore.—Sealed proposals, in triplicate, will be received here until **2 p. m. June 10, 1915**, and then opened, for constructing storehouse here. Information furnished on application to quartermaster.

PROPOSALS FOR CONCRETE AND EXCAVATING.

CONCRETE AND EXCAVATION—Department of the Interior, U. S. Reclamation Service, Washington, D. C.—Sealed proposals will be received at the office of the United States Reclamation Service, Provo, Utah, until **2 o'clock p. m. June 16, 1915**, for construction, involving about 25,000 cubic yards of canal excavation and about 2,600 cubic yards of reinforced concrete. The work is located near Payson City, Utah, on the San Pedro, Los Angeles and Salt Lake Railroad and the Titanic Branch of the Denver and Rio Grande Railroad. For particulars address the United States Reclamation Service, Provo, Utah, or Washington, D. C. **A. P. DAVIS**, Chief Engineer.

PROPOSALS FOR LUMBER.

LUMBER—Office Depot Quartermaster, U. S. Army, San Francisco, Cal.—Sealed proposals will be received here until **June 8**, for furnishing under schedule No. 205 600,000 feet Oregon pine, Douglas fir, merchantable rough random lengths. For further information address **W. H. HART**, Lt. Col., Q. M. Corps, D. Q. M.

NOTICE TO CONTRACTORS.

OFFICE OF THE SUPERVISING SUPERINTENDENT OF CONSTRUCTION, Room 403, U. S. Post Office Bldg., San Francisco, California, May 20, 1915. **SEALED PROPOSALS** will be received at this office until **12 o'clock M. on the 22nd day of June, 1915**, and then publicly opened for **New Boiler, an Extension of Boiler House**, at the U. S. Marine Hospital Station, San Francisco, California, in accordance with the drawing and specification, copies of which may be had upon application at this office, or the office of the Custodian of the Station.

J. W. ROBERTS,
Superintendent. (*)

PROPOSAL FOR MECHANICAL EQUIPMENT.

PROPOSAL FOR MECHANICAL EQUIPMENT. Office of Constructing Quartermaster, Fort Mason, Cal.—**SEALED PROPOSALS**, will be received here until **11:00 A. M., June 15, 1915**, and then opened for furnishing wood and metal working machinery. Further information on application. (*)

PROPOSALS.

OFFICE OF THE BOARD OF PUBLIC WORKS of the City and County of San Francisco.

Sealed proposals will be received at this office between the hours of **2 o'clock p. m. and 3 o'clock p. m. on Wednesday, the 16th day of June, 1915**, for doing the following work, including the furnishing of the necessary labor and materials therefor, to wit:

Vault Work of the City Hall.
Progressive payments will be made. Said work must be done in accordance with the specifications on file in the office of the Board of Public Works. The amount of bond for faithful performance of contract has been fixed at \$5,500.00.

All proposals offered must be accompanied by a check, certified by a responsible bank, payable to the order of the Clerk of the Supervisors, for an amount not less than ten per cent of the aggregate of the proposal.

Printed proposals forms will be furnished gratuitously upon application at the office of the Architect, and all proposals must be made upon such forms.

The Board of Public Works reserves the right to reject any and all bids.

By order of the Board of Public Works. **F. J. CHURCHILL**,
Secretary.

PROPOSALS.

OFFICE OF THE BOARD OF PUBLIC WORKS of the City and County of San Francisco.

Sealed proposals will be received at this office between the hours of **2 o'clock p. m. and 3 o'clock p. m. on Wednesday, the 9th day of June, 1915**, for doing the following work, including the furnishing of the necessary labor and materials therefor, to wit:

Painting Work of the City Hall.
Progressive payments will be made. Said work must be done in accordance with the specifications on file in the office of the Board of Public Works. The amount of bond for faithful performance of contract has been fixed at \$5,000.00.

All proposals offered must be accompanied by a check, certified by a responsible bank, payable to the order of the Clerk of the Supervisors, for an amount not less than ten per cent of the aggregate of the proposal.

Printed proposals forms will be furnished gratuitously upon application

at the office of the Architect, and all proposals must be made upon such forms.

The Board of Public Works reserves the right to reject any and all bids.

By order of the Board of Public Works. **F. J. CHURCHILL**,
Secretary.

PROPOSALS FOR CANAL SUPPLIES.

CANAL CIRCULAR No. 928—Reinforcing Bars, Staybolt Iron, Machine Bolts, Rivets, Stovepipe, Stovepipe Elbows, Brass Tubing, Brass Pipe Fittings, Grommets, Hammers, Files, Chisels, Taps, Reamers, Stocks and Dies, Bits, Drills, Braces, Adzes, Axes Etc.—Sealed proposals will be received at the office of the general purchasing officer, the Panama Canal, Washington, D. C., until **10:30 a. m. June 5, 1915**, at which time they will be opened in public for furnishing the above mentioned articles. Blanks and general information relating to this circular (No. 928) may be obtained from this office or the office of the assistant purchasing agent, Fort Mason, Cal.; also from the U. S. engineer offices in the following cities: Seattle, Wash.; Los Angeles, Cal. F. C. BOGGS, Major, Corps Engineers, U. S. A., general purchasing officer.

PROPOSALS FOR REFRIGERATING PLANT.

REFRIGERATING AND WIRING PLANT—Fort Huachuca, Ariz., May 8, 1915.—Sealed proposals, in triplicate, will be received here until **1 p. m. June 9, 1915**, and then opened, for furnishing all materials and labor required in constructing, complete, an electric light and refrigerating plant and installing interior and exterior wiring system. \$10 deposit required for plans and specifications. For further information address the constructing quartermaster.

PROPOSALS FOR BUILDING.

BUILDING—Fort Bayard, N. Mex.—Sealed proposals, in triplicate, for constructing wards for ambulant patients, will be received until **6 p. m. June 4, 1915**. Information furnished on application. Quartermaster.

PROPOSALS FOR ELECTRIC WORK.

WIRING—Treasury Department, Office of the Supervising Architect, Washington, D. C.—Sealed proposals will be opened in this office at **3 p. m. June 10, 1915**, for a conduit and wiring system in the United States mint at San Francisco, Cal., in accordance with drawings and specifications, copies of which may be had at this office or at the office of the custodian, San Francisco, Cal., in the discretion of the supervising architect, **JAMES A. WETMORE**, acting supervising architect.

THE IRON MARKET IN JAPAN.

[Extracts from Japan Chronicle of Feb. 26, by Consul General George H. Seidmore, Yokohama.]

Stocks of iron are said to be running short in Japan, quotations having risen about 25 per cent above the rates that prevail in normal times. According to the "Asahi" (Osaka), the diminution in the European supply of pig iron, which comes chiefly from England, is putting the Imperial Iron Foundry to inconvenience, and the authorities are on the lookout for fresh supplies. Iron merchants have been making inquiries in America, but can not get supplies thence earlier than July. For the present they are having to refuse attractive orders owing to exhaustion of stocks. Bar iron is quoted at about \$30.50 per 100 pounds.

ADVANCE NEWS

Classified according to Location

SAN FRANCISCO.

SYNAGOGUE—2 story and base, frame and plaster, \$25,000. San Francisco. Architect, E. A. Neumarkel, Sharon Bldg., S. F. Owners, Temple Kenesith Israel. The building will be McAllister and Golden Gate, and has been designed to contain a large auditorium to seat 400 people, rabbi's study and Sunday school room. Interior will be finished in pine and ornamental plaster. Art glass windows are specified. There will be a central heating system. Exterior of the building will be faced with cement plaster on metal lath. Plans are complete and figures are now being taken.

WOOD AND METAL WORKING MACHINERY—Cost not stated. San Francisco. Engineer, Constructing Quartermaster, Fort Mason. Owners, United States Government. Bids will be received up to and including 10 a. m. on June 15th for furnishing the constructing quartermaster department at Fort Mason with wood and metal working machinery. Plans can be secured from the office of the constructing quartermaster. An official proposal appears in another column of this issue.

WINERY—2 story and base, reinforced concrete, \$30,000. San Francisco. Architect not selected. Owners, Promotion Wine and Liquor Co., 537 Front street, S. F. The building will be erected at the corner of Lombard and Columbus avenue, and will cover an area of 147 by 162 feet. The interior has been designed to fit the special needs of the industry. Included in the plans there will be a large number of wooden tanks. No interior finish is specified. Modern plumbing and electric work is called for. The exterior of the dwelling will be faced with cement plaster. Further mention of the work will be made when bids are called for.

FLATS—3 story and base, frame, \$4,000. San Francisco. Architect, E. U. Essmann, 3305A 24th street, S. F. Owner, John Boelsems, 246 Cumberland street. The building will be erected on the west side of Church street, south of Cumberland, covering an area of 27½ by 50 feet, and has been arranged to contain two modern flats and a private garage in the basement. Interior finish will be of pine, redwood and elm panels. Hardwood floors will be used in the living and dining rooms. There will be open fire places with tile or brick mantels. Bath rooms will be finished in tile. Automatic water heaters are specified. Exterior of the building will be covered with rustic and cement plaster on metal lath. Plans are complete and the work will be done by Day Labor. Materials are now being purchased.

FLATS—2 story and base, frame, \$5,000. San Francisco. Architect, none. Owner, W. L. Hemming, 126 Post street, S. F. The building will be erected at the northeast corner of California and

15th avenue, covering an area of 25 by 65 feet, and has been designed to contain two flats of five and six rooms each. Interior finish will be of pine and elm. Hardwood floors will be used in the principal rooms. There will be furnace heat and open fire places. Mantels will be of tile or brick. Bath rooms will be finished in tile. Exterior of the building will be faced with cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor.

RESIDENCE—2 story and base, brick and frame, \$35,000. San Francisco. Architect, G. A. Applegarth, Call Bldg., S. F. Owner, Mrs. M. R. Sutton. The dwelling will be erected in West Clay Park, and has been designed to contain fourteen rooms, several baths and conservatory. Interior finish will be of pine and hardwood, with white enamel in the bed rooms. Hardwood floors will be used throughout. There will be a central heating system, probably steam heat or hot water system. A hot water circulating system and vacuum cleaning are also specified. Plans provide for open fire places with tile or brick mantels. Bath rooms will be finished in tile and equipped with high grade plumbing fixtures. Exterior of the house will be covered with pressed brick and cement plaster. Plans are complete and figures will be called for shortly.

RESIDENCE—2 story and base, frame, \$2,500. San Francisco. Architect, none. Owner, F. Nelson, 30 Presidio Terrace. The building will be erected on the north side of Parnassus avenue west of Hillway, and has been designed to contain six rooms and bath. Interior finish will be of pine throughout. Hardwood floors will be used in the living and dining rooms. There will be a large open fire place with tile or brick mantel. Tile wainscot will be used in the bath room. An automatic water heater is specified. Exterior of the dwelling will be covered with rustic and cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor.

RESIDENCE—2 story and base, frame. Cost not stated. San Francisco. Architect, Albert Farr, Foxcroft Bldg., S. F. Owner, William Little. The dwelling has been designed to contain seven rooms, bath and sleeping porch, and will be erected on 17th avenue near Lake. Interior finish will be of pine with some elm panels. Hardwood floors will be used in the living room, dining room and reception hall. There will be furnace heat and open fire places. Mantels will be of brick. Tile wainscot and floor will be used in the bath room. An automatic water heater is specified. Exterior will be covered with cement plaster on metal lath. Plans are complete and figures are now being taken.

RESIDENCE—2 story and base, frame, \$9,500. San Francisco. Archi-

tect, Frank S. Holland, 100 Haight street, S. F. Owner's name withheld. The dwelling will be erected in Ashbury Heights, and has been designed to contain nine rooms, bath and sleeping porch. A one-story concrete garage will be erected in the rear of the property. Interior of the dwelling will be finished in hardwood and white enamel and pine. Hardwood floors will be used throughout. There will be furnace heat and open fire places. An automatic water heater will be installed. Mantels will be of brick. Bath rooms will be finished in tile and equipped with shower baths. Exterior of the dwelling and garage will be faced with brick, klinker brick veneer and cement plaster. Plans are now being prepared.

RESIDENCES—2, 3 story and base, frame, \$12,000 each. San Francisco. Architect, E. E. Young, 251 Kearny street, S. F. Owner, William A. Little, 1347 4th avenue, S. F. These dwellings will be erected on the west side of Devisadero street, south of Green, and each has been designed to contain nine rooms, two baths and sleeping porches. Interior will be finished in pine, redwood veneer and white enamel. Hardwood floors will be used in the principal rooms. There will be furnace heat, open fire places and hot water circulating system. Mantels will be of tile or brick. Bath rooms will have tile floors and wainscot. Exteriors will be faced with cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor. Materials are now being purchased.

FLAT ALTERATION—Frame construction, \$4,000. San Francisco. Architect, Walter H. Fernbach, 46 Kearny street. Owner, Julian H. Olcovich. The building to be altered is located at the southeast corner of Baker and Pine streets. The work will consist of moving the building and raising same. There will be new interior finish, painting, electric work, plumbing and plastering. Some exterior alterations will also be made. Plans are complete and the work will be done by Day Labor.

HOTEL AND STORES—6 story and base, reinforced concrete and steel, \$35,000. San Francisco. Architect, Edward T. Foulkes, Crocker Bldg., S. F. Owner, Dr. F. C. Keek. The building will be erected at the northeast corner of O'Farrell and Leavenworth streets, having a frontage of 25 feet 9 inches on O'Farrell street and 76 feet 9 inches on Leavenworth. There will be three stores besides the hotel lobby on the first floor. Upper floors will be arranged for a family hotel. All rooms will have private baths and wall beds. Interior finish will be of pine, with some elm panels and hardwood floors. Plans provide for steam heat and automatic elevator, hot and cold water supply. Entrance vestibule will be finished with marble wainscot. Exterior of the building will be faced with ce-

ment plaster. Plans are complete and figures are now being taken.

HOTEL AND STORES—5 story and base. Class C construction, \$25,000. San Francisco. Architects, Rousseau & Rousseau, French Bank Bldg., S. F. Owners, Gerard Investment Co. The building will be erected on the east side of 4th street, 85 feet north of Howard, and will have a frontage of 44 feet and a depth of 90 feet. The main floor will contain two stores besides the hotel office and lobby. Upper floors will be arranged for a number of sleeping rooms and baths. Interior finish will be of pine throughout. There will be marble base and wainscot. Plans provide for steam heat and automatic elevator and hot and cold water supply. An oil burning plant will be installed. Bath rooms will be finished in tile. Patent store fronts will be used. Exterior of the building will be faced with pressed brick, trimmed with marble inserts. Plans are complete and segregated figures are now being taken.

STORES AND LOFTS—3 story and base. Class A construction. Cost not stated. San Francisco. Architects, Wright & Rushforth, 354 Pine street, S. F. Owner's name withheld. The architects have just taken bids for the piling and foundation work for a commercial building which is to be erected on Beale street, between Market and Mission. The piling and foundation work is all that will be undertaken at this time, but eventually a three-story building will be erected, covering an area of 81 by 137-6. Further mention will be made of the work when figures are called for.

STORES AND OFFICES—3 story and base, reinforced concrete, \$50,000. Honolulu, Hawaii. Architects, Ripley & Davis, Honolulu. Owners, Star-Bulletin Publishing Co., Honolulu. The building will cover a considerable ground area, and will be fireproof throughout, with reinforced concrete walls and floors. The main floors will be occupied by the business office of the Star-Bulletin Publishing Co. Upper floors will be arranged for modern offices. Interior finish will be of pine and redwood and native wood. There will be elevator service, vacuum cleaning and a hot and cold water supply. Metal window sash and frames are specified. Exterior of the building will be faced with cement plaster. Plans are now being prepared.

APARTMENT HOUSE—3 story and base, frame, \$30,000. San Francisco. Architect, Frederick H. Meyer, Bankers' Investment Bldg., S. F. Owner, L. E. K. Ploda. The building will be erected at the northwest corner of Taylor and Washington streets, covering an area of 83 by 60 feet, and has been designed to contain nine large apartments. Interiors will be finished in pine and hardwood with some white enamel. Hardwood floors will be used in the living and dining rooms. There will be steam heat, a hot water system and wall beds. Bath rooms will be finished in tile. Marble and tile wainscot will be used in the entrance lobby. Exterior of the building will be covered with cement plaster on metal lath. Plans are complete and a contract will be awarded by the owner.

FLATS—2 story and base, frame, \$3,000. San Francisco. Architect, none. Owner, A. M. Sylvia, 371 30th avenue,

S. F. The building will be erected on the west side of 25th avenue south of California street, and has been designed to contain two flats with private garage in the basement. Interior will be finished in pine with some elm panels. Hardwood floors will be used in the principal rooms. There will be open fire places and tile or brick mantels. Bath rooms will have tile wainscot. Exterior of the building will be covered with rustic and cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor. Materials are now being purchased.

HOTEL COMPLETION—6 story and base. Class C construction, \$35,000. San Francisco. Architect, J. R. Miller, Lick Bldg., S. F. Owner, Prior Estate. The building at the northwest corner of Eddy and Mason streets will be completed shortly. Included in the work will be all mill work, interior finish, electric work, plumbing, heating, plastering, door and sash work, and painting and decorating. Bids will be called for shortly.

APARTMENT HOUSE—4 story and base. Class C construction, \$30,000. San Francisco. Architect, Joseph Cahen, 45 Kearny street, S. F. Owners, I. Rosenberg and Joseph Cahen. The building will be erected on the north side of Bush street west of Powell, and has been designed to contain four stores on the first floor besides the lobby and office. Upper floors will contain a total of fifteen suites. Interiors will be finished in pine and hardwood veneer. Hardwood floors will be used in the principal rooms. Plans provide for steam heat, an automatic elevator and hot water supply. All apartments will have wall beds and private bath rooms. Bath rooms will be finished in tile. Marble and tile wainscot will be used. Exterior of the building will be faced with pressed brick trimmed with terra cotta. Plans are complete and segregated figures are being taken.

HOTEL AND STORES—3 story and base, frame, \$30,000. San Francisco. Architect, none. Owners, McKillop Bros., 540 Cole street, S. F. The building will be erected on the west side of Mission street north of 14th, and will have a frontage of 50 feet by a depth of 100 feet. There will be stores on the first floor, besides the hotel lobby. Upper floor will be arranged for a number of single rooms and baths. Interior will be finished in pine throughout. There will be steam heat and a hot water supply. Bath rooms will have tile floors and wainscot. Patent store fronts will be used. Exterior of the building will be faced with pressed brick. Plans are complete and in the hands of the owners who will do the work by Day Labor. Materials are now being purchased.

RESIDENCES—2, 2 story and base, \$3,000. San Francisco. Architect, none. Owner, C. A. Hall, 1318 5th avenue, S. F. These two houses will be erected on the west side of 11th avenue south of Balboa, and each will contain six rooms and bath. Basements will be arranged for garages. Interiors will be finished in pine with some elm panels. Hardwood floors will be used in the living and dining rooms. There will be open fire places and tile or brick mantels. Bath rooms will have tile wainscot. An automatic water heater will be installed. Exterior of

the house will be covered with cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor.

RESIDENCES—3, 2 story and base, frame, \$2,500 each. San Francisco. Architect, none. Owners, Smith Bros., 35 Delano avenue, S. F. These houses will be erected on the north side of San Ysabel avenue east of San Jose avenue, and each has been designed to contain five rooms and bath. Interiors will be finished in pine and redwood. Some oak floors will be used. There will be open fire places in the living rooms with tile or brick mantels. Tile wainscot will be used in the bath rooms. Exteriors will be covered with rustic and cement plaster on metal lath. Plans are complete and in the hands of the owners who will do the work by Day Labor.

STORES AND LOFTS—3 story and base, brick and steel, \$30,000. San Francisco. Architect, Louis C. Mullgardt, Chronicle Bldg., S. F. Owners, E. A. Howard & Co. The building will be erected on the north side of Mission street east of Beale, and has been designed for stores on the first floor and lofts above. Interior will be finished in pine. There will be a freight elevator. Patent store fronts are specified. Exterior will be faced with pressed brick. The foundation work is now being done by Day Labor and the balance of the work will be done by the owners under the same system.

Contracts Awarded.

CITY JAIL REFRIGERATOR AND DISINFECTOR—Cost as follows. San Francisco. Architect, City Department of Architecture, Temporary City Hall, S. F. Owners, City and County of San Francisco. Contractors, Burnham Plumbing Co., disinfectant in city and county jail building. Contract price, \$1,395. Wittman-Lyman Co., refrigerating plant and piping; Contract price, \$2,344.

HARBOR IMPROVEMENTS — \$120,000. South San Francisco, San Mateo Co., Cal. Engineers, Haviland, Dozier & Tibbetts, Alaska Commercial Bldg., S. F. Owners, South San Francisco Land and Improvement Co., Monadnock Bldg., S. F. Contractors, San Francisco Bridge Co. Contract price, \$120,000. This contract calls for the carrying out of unit No. 1.

Building Contracts Awarded.

San Francisco

No.	Owner	Contractor	Amt.
1545	Sprott	Johnson	3439
1546	Braun	Wooldridge	5066
1548	Howard	Howard	6000
1549	Bjorkman	Holmstead	1950
1550	Burnham	Bay City Bldg	4000
1551	Cambridge	Loustan	1715
1552	Goldstein	Serguson	1800
1553	Kohler	Fink	1400
1554	Morrison	Callaghan	1425
1555	O'Connor	Brown	1800
1556	Samuelson	Olson	1400
1557	Sweeney	Ahibach	2685
1558	Matejorsky	Rushon	4925
1559	Hickey	Higginson	2855
1560	Buck	Broderick	1200
1561	Ohrt	Steur	2000
1562	Richendorff	Fauth	1772
1563	Bingley	Bingley	2000
1564	Hurley	Korlam	2500
1565	Taylor	Landy	4000
1566	Rabinovich	Ludwig	1500
1567	McEwen	Reimers	1795
1568	Schoning	Thomson	4200
1569	Mannas	Olsen	2325
1570	Hume	Hume	1500
1571	S F Home Bldg.	Carlson	3000
1572	Same	Same	3000
1573	Fleishhacker	Robinson	4000

W. R. BRODE, Pres. LOUIS R. HOLM, Sec. R. J. BRODE, Vice-Pres.

BRODE IRON WORKS

Established 1886---Incorporated 1913

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1561	Cuneo	Piske	5000
1562	Ferrieros ..	New Era Bldg	1600
1563	Burbank	Coburn	3000
1564	Baumeister ..	Klahn	1500
1565	Hughes	Siestel	4000
1565	Brennan	Diestel	2500
1566	Van Pelt	Arthur	5010
1567	Yunker	Klahn	1702
1580	Boelsems	Boelsems	4000
1581	Little	Little	12000
1582	Little	Little	12000
1583	Nelson	Nelson	2500
1584	Hemminga	Owner	5000
1585	Milke	Milke	700
1586	Coburn	Coburn	550
1587	Trost	Trost	800
1588	Little	Little	17000
1589	Fullerton	Yngve	2164
1590	Crocker	Cahill	1122
1591	Corville Est...	Brockhage	1550
1592	I. O. O. F.....	Rainey	2025
1593	Same	Dewar	3540
1594	Barron	Barron	1000
1595	Marcus	Montrouil	600
1596	Carlson	Carlson	1000
1597	Gallaini	Gallaini	800
1598	Meyer	Rutherford	400
1599	Rush	Rush	1500
1600	Brumfield	Newsom	4125
1601	Sweeney	Ahlbach	2685
1602	Hickey	Gilley	650
1603	Barron	Donovan	1250
1604	Mission Con Rlty	Day	1100

BRICK STORES

(1541) W MASON 31-1 N O'Farrell. N 33-11xW 50. All work for one-story brick stores.

Owner.....D. L. Randolph, 467 O'Farrell, San Francisco.

Architect...Cunningham & Politeo, 1st National Bank Bldg., San Francisco.

Contractor...Frank A. Wilkie, 519 California, San Francisco.

Filed May 22, '15. Dated May 20, '15.

On 1st and 15th of each month 75%
Usual 35 days..... 25%

TOTAL COST, \$4150

Bond, \$2075. Sureties, Massachusetts Bonding & Insurance Co. Limit, 40 days. Forfeit, \$10. Plans and specifications filed.

FRAME RESIDENCE

(1545) NW FORD AND SANCHEZ, 25 on Sanchez and 36 on Ford. All work for two-story frame residence.

Owner.....Madge Sprott, Premises.

Architect...Edwin C. Graff, 1466 Broadway, Oakland.

Contractor...J. Harold Johnson, 740 9th Ave., San Francisco.

Filed May 24, '15. Dated May 18, '15.

Frame up\$859.75
Brown coated and 1st coat of cement on exterior..... 859.75Completed 859.75
Usual 35 days..... 859.75

TOTAL COST, \$3439.00

Bond, limit, forfeit, none. Plans and specifications filed.

FLATS

(1546) W GUERRERO 62 N Cumberland 27x70. All work except plumbing, stairs, electric wiring, tiling, finish hardware, light fixtures and shades for three story and basement (3) flats.

Owner.....J. and Fred Braun.

Architect...Ernest U. Essmann, 3805-A 24th, San Francisco.

Contractor...L. C. Wooldridge, 56 Alpine Terrace, S. F.

Filed May 24, '15. Dated May 24, '15.

Roof on and building enclosed..\$1266

Brown coated 1266

Completed and accepted..... 1266

Usual 35 days..... 1266

TOTAL COST, \$5066.50

Bond, \$2600. Sureties, Chas. Reinhart and G. L. Wayne. Limit, 60 days from recording. Forfeit, none. Plans and specifications filed.

FOUNDATION WORK

(1568) N MISSION 46-4½ E Beale.

Foundation and cement work for store building.

Owner.....E. A. Howard & Co., Spear

and Howard, San Francisco

Architect...Louis C. Mullgardt, Chronicle Bldg., San Francisco.

Day's work COST, \$6000

FRAME DWELLING

(1569) SW GENEVA AND MUNICH.

One-story and basement frame dwlg.

Owner.....John Bjorkman, 45 Cordova, San Francisco.

Architect...None.

Contractor...Chas. Holmstead, 437 Cotter, San Francisco.

COST, \$1950

REINFORCED CONCRETE BUILDING

(1570) S NATOMA 90 W Third S 50xW 20. All work for two-story and basement reinforced concrete building.

Owner.....Mrs. Susan M. Burnham, 2624 Laguna, S. F.

Engineer...W. J. Dwan, 1640 Fell, San Francisco.

Contractor...Bay City Bldg. Co., 798 Monadnock Bldg., S. F.

Filed May 26, '15. Dated May 10, '15.

Basement walls in place and 1st story joists on.....\$1000

1st and 2nd story walls in place

and joists on..... 1000

Completed 1000

Usual 35 days..... 1000

TOTAL COST, \$4000

Bond, \$2000. Sureties, W. G. Tolliday and W. J. Dwan. Limit, 50 days. Forfeit, none. Plans and specifications filed.

FRAME DWELLING

(1571) NO. 4637 IRVING. One-story

and basement frame dwelling.

Owner.....I. M. Cambridge, 4638 Irving, San Francisco.

Architect...None.

Contractor...A. Loustan, 2885 Bush, San Francisco.

COST, \$1715

FRAME DWELLING

(1572) N KISSLING 188 E 12th. One-story and basement frame dwelling.

Owner.....J. Goldstein, 762 Buchanan, San Francisco.

Architect...None.

Contractor...Serguson Bros., 308 Guerrero, San Francisco.

COST, \$1800

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**POWELL ST. AT O'FARRELL**

Best located and most popular hotel in the City; circulating ice water in every room.

Especial attention to ladies travelling alone.

Excellent, reasonable priced grill. Meet your friends at the Manx

European Plan Rates \$1.50 up.**Management.****Chester W. Kelley****ALTERATIONS**

(1573) NO. 26 O'FARRELL. Remove partitions, install, lath and plaster partition and two lavatories.

Owner.....Kohler & Chase, Premises.

Architect...None.

Contractor...Fink & Schindler Co., 228 13th, San Francisco.

COST, \$1400

ALTERATIONS

(1574) NO. 885 CLAYTON. Alter and repair dwelling.

Owner.....Mrs. W. S. Morrison, 900 Clayton, San Francisco

Architect...None.

Contractor...Callaghan Bros., 900 Clayton, San Francisco.

COST, \$1425

FRAME DWELLING

(1575) W SANCHEZ 50 S 30th. One and one-half-story and basement frame dwelling.

Owner.....Joseph O'Connor, 238 Pine, San Francisco.

Architect...None.

Contractor...Ward C. Brown, 2945 Harrison, San Francisco.

COST, \$1800

FRAME DWELLING

(1576) E VIENNA 75 N Russia. One and one-half-story and basement frame dwelling.

Owner.....A. M. Samuelson.

Architect...None.

Contractor...H. C. Olson, 338 Holloway S F.

COST, \$1400

FRAME DWELLING

(1577) N DORLAND 326-4 E Dolores. Two-story and basement frame dwlg.

Owner.....J. L. Sweeney & Wife, 3654
18th San Francisco.
Architect...Oliver Evans, 2567 Mission
San Francisco.
Contractor...A. Ahlback & Kealey Co.,
1786 Market, S. F.
COST, \$2685

FRAME FLATS

(1578) W STEINER 100 N Filbert N
25xW 100. All work two-story frame
flats.

Owner.....Karl Matejorsky, Steiner
near Filbert, S. F.
Architect...H. E. Harris, 432 Monad-
nock Bldg., San Francisco.
Contractor...Chas. A. Rushton, 714 9th
Ave., San Francisco.

Filed May 26, '15. Dated May 11, '15.
Roof completed\$1225
Last coat of plaster on..... 1225
Completed and accepted..... 1225
45 days after..... 1250
TOTAL COST, \$4925

Bond, \$2500. Sureties, J. J. Powers
and Phillip Wesendunk. Limit, none.
Forfeit, \$5. Plans and specifications
filed.

ALTERATIONS

(1579) NO. 374 FAIR OAKS. Altera-
tions and additions, except papering,
tinting and blank stocking for resi-
dence.

Owner.....Thos. W. Hickey, 860 Phe-
lan Bldg., San Francisco.
Architect...Leo J. Devlin, Pacific Bldg
San Francisco.
Contractor...The Higginson Co., Inc.,
Humboldt Bank Bldg., S. F.

Filed May 26, '15. Dated May 24, '15.
On 1st of each month..... 75%
Usual 35 days..... 25%
TOTAL COST, \$2855

Bond, \$1500. Sureties, J. H. McCallum
and E. O. Benner. Limit, 55 days. For-
feit, \$5. Plans and specifications filed.

TILE FLOORS

(1547) NE GOLDEN GATE AVE AND
Larkin. Tile floors in restaurant.

Owner.....Buck & Ohlandt.
Architect...None.
Contractor...P. Broderick, 1499 Guerrero
San Francisco.

COST, \$1200

REPAIR SHOP

(1548) N GEARY 90 W Third Ave.
One-story concrete auto repair shop.

Owner.....Chas. Ohrt, — Oak, S. F.
Architect...Chas. Whittlesey, 165 Clay-
ton, San Francisco.
Contractor...Steur & Bury, 1465 O'Far-
rell, San Francisco.

COST, \$2000

FRAME DWELLING

(1549) E TWENTY-FIFTH AVE 225 N
Kirkham. One-story and basement
frame dwelling.

Owner.....B. Eichendorff, 1322 4th
Ave., San Francisco.
Architect...None.

Contractor...M. Fauth, 29 Alma, S. F.
COST, \$1772

ALTERATIONS

(1550) NO. 1451 PAGE. Alter flats, ex-
tend kitchen, remodel upper flat and
construct rooms in attic.

Owner.....L. B. Bingley, Premises.
Architect...J. A. Ettler, 604 Mission,
San Francisco.

Day's work. COST, \$2000

FRAME DWELLING

(1551) N SEVILLE 217 S Rolph. Two-
story and basement frame dwelling.

Owner.....Thos. J. Hurley and wife,
Premises.

Architect...O. E. Evans & Co., Inc.,
2861 Mission, San Francisco

Contractor...Korlam, 1020 Capp, S. F.
COST, \$2500

FRAME DWELLING

(1552) N RIVERA 50 E 18th Ave.
Two-story frame dwelling.

Owner.....Wilhelmina Taylor, 2299
Sacramento, San Francisco

Contractor...Franklin, San Francisco.

Contractor...A. L. & J. E. Lundy and F.
W. Thaxter, 3 Franklin,
S. F. COST, \$4000

FRAME STABLE

(1553) NO. 1144 FOLSOM. One-story
frame stable.

Owner.....P. Rabinovich, Premises.

Architect...None.

Contractor...H. T. Ludwig, 66 Farallone
San Francisco.

COST, \$1500

FRAME DWELLING

(1554) N FRANCISCO 135 W Larkin.
One and one-half-story and basement
frame dwelling.

Owner.....A. McEwen, Press Bldg.,
P. P. I. E., San Francisco.

Architect...None

Contractor...F. Hollberg Reimers, 2125
Shattuck Ave., Berkeley.

COST, \$1795

FRAME FLATS

(1555) W SEVENTEENTH AVE 275 S
Anza. Two-story and basement
frame flats.

Owner.....Otto A. Schoning, 372
Baker, San Francisco.

Architect...Jos. Geary, 2581 Post, S. F.

Contractor...H. S. Thomson, Mission &
Charles, San Francisco.

COST, \$4200

FRAME DWELLING

(1556) NE FAIRFAX 325 SE Mendell.
One-story and basement frame dwlg.

Owner.....Andre Mannas, 1454 Galvez
Ave., San Francisco.

Architect...None.

Contractor...Chas. Olsen, 1237 Evans
Ave., San Francisco.

COST, \$2325

PICTURE GALLERY

(1557) NO. 960 CHESTNUT. Two-
story frame picture gallery.

Owner.....Mary A. Hume, Premises.
Architect...W. L. Schmolle, 166 Geary,
San Francisco.

Day's work. COST, \$1500

FRAME DWELLING

(1558) E DOUGLASS 25 N 19th. Two-
story and basement frame dwelling.

Owner.....San Francisco Home Bldg.,
Co., 2563 Mission, S. F.

Architect...O. E. Evans, 2861 Mission,
San Francisco.

Contractor...John Carlson, 31 Rivoli &
J. H. Verner, 1921 23d, S. F.

COST, \$3000

FRAME DWELLING

(1559) E DOUGLASS 49 N 19th. Two-
story and basement frame dwelling.

Owner.....San Francisco Home Bldg.
Co., 2563 Mission, S. F.

Architect...O. E. Evans, 2861 Mission,
San Francisco.

Contractor...John Carlson, 31 Rivoli &
J. H. Verner, 1921 23d, S. F.
COST, \$3000

ALTERATIONS

(1560) NO. 2418 PACIFIC AVE. Alter
and add to residence.

Owner.....M. Fleishhacker, Premises.

Architect...Greene & Greene, Pasa-
dena, California.

Contractor...Robinson & Gillespie, 1051
Sutter, San Francisco.

COST, \$4000

ALTERATIONS

(1561) W NINTH AVE 250 N Irving.
Alter three-story frame building into
apartments.

Owner.....G. B. Cuneo, 1962 Howard,
San Francisco.

Architect...None.

Contractor...F. A. Piske & W. Lemser,
1363 8th Ave., S. F.

COST, \$5000

FRAME DWELLING

(1562) W MIRAMAR 150 N Holloway.
One-story frame dwelling.

Owner.....L. Ferrieros, 3289 Mission,
San Francisco.

Architect...None.

Contractor...New Era Bldg. Co., 3289
Mission, San Francisco.

COST, \$1600

ALTERATIONS

(1563) NW POST AND STOCKTON.
Alter stores.

Owner.....Blanche Burbank, San Jose

Architect...MacDonald & MacDonald,
604 Holbrook Bldg., S. F.

Contractor...Ira W. Coburn, Inc., 547
Brannan, San Francisco.

COST, \$3000

FRAME DWELLING

(1564) N TWENTY-SIXTH 75 E
Church. One and one-half-story and
basement frame dwelling.

Owner.....W. J. Baumeister, 12 Shot-
well, San Francisco.

Architect...A. Klahn, 27 Chenery, S. F.

Contractor...A. Klahn & Son, 27 Chen-
ery, San Francisco.

COST, \$1500

FRAME DWELLING

(1565) W THIRTEENTH AVE 87-6 N
Cabrillo. Two-story and basement
frame dwelling.

Owner.....James Hughes, 781 Steven-
son, San Francisco.

Architect...None.

Contractor...John Siestel, 2246 Mission,
San Francisco.

COST, \$4000

FRAME RESIDENCE

(1565) LOT 44 MAP LYON & HOAGS
Sbdvn of Ashbury Terrace. All work
for two-story and basement frame
residence.

Owner.....Jas. F. Brennan.

Architect...N. W. Sexton, Chronicle
Bldg., San Francisco.

Contractor...John Diestel Co.

Filed May 25, '15. Dated May 17, '15.

Frame up and roof boards on...\$625

Rough plumbing in, rustic on and
plastering done 625

Completed and accepted..... 625

Usual 35 days..... 625
TOTAL COST, \$2500

Bond, none. Limit, 55 days after May

18. Forfeit, \$5. Plans and specifications filed.

FRAME RESIDENCE

(1566) E TWENTY-FIFTH AVE 100 N Lake N 30xE 120 O L 48. All work except plumbing, heating, tiling, electric work and electric fixtures for two-story and basement frame residence.

Owner.....H. M. Van Pelt, 243 Minna, San Francisco.

Architect...None.

Contractor...L. Arthur & Son, 1230 Arguello Blvd., S. F.

Filed May 25, '15. Dated May 24, '15.

2nd floor joists in place.....\$ 939.35

Roof shingled 939.35

All plaster work done..... 939.35

Completed and accepted..... 939.35

Usual 35 days..... 1252.50

TOTAL COST, \$5010.00

Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications filed.

FRAME RESIDENCE AND GARAGE

(1567) SW WHITNEY 236 NW Miguel NW 30xSW 78. All work except painting, grading, tiling and plumbing fixtures for one-story frame residence and garage.

Owner.....Louis Yunker, 245 Whitney San Francisco.

Architect...A. Klahn.

Contractor...A. Klahn & Son, 27 Chenery, San Francisco.

Filed May 25, '15. Dated May 20, '15.

Frame up\$425

Brown coated 425

Completed 425

Usual 35 days..... 425

TOTAL COST, \$1702

Bond, none. Limit, 60 days. Forfeit, \$1. Plans and specifications filed.

FRAME STORE AND FLATS

(1580) W CHURCH 34 S Cumberland. Three-story and basement frame store and (2) flats.

Owner.....John Boelsems, 246 Cumberland, San Francisco.

Architect...E. U. Essmann, 3305-A 24th, San Francisco.

Day's work. COST \$4000

FRAME RESIDENCE

(1581) E DIVISADERO 37 S Green. Three-story and basement frame residence.

Owner.....M. A. Little, 1347 4th Ave., San Francisco.

Architect...E. E. Young, 251 Kearny, San Francisco.

Day's work. COST, \$12,000

FRAME RESIDENCE

(1582) E DIVISADERO 67-6 S Green. Three-story and basement frame residence.

Owner.....M. A. Little, 1347 4th Ave., San Francisco.

Architect...E. E. Young, 251 Kearny, San Francisco.

Day's work. COST, \$12,000

FRAME DWELLING

(1583) N PARNASSUS AVE 36½ W Hillway. Two-story and basement frame dwelling.

Owner.....F. Nelson, 30 Presidio Terrace, San Francisco.

Architect...None.

Day's work. COST, \$2500

FRAME FLATS

(1584) NE CALIFORNIA AND 15TH Ave. Two-story and basement frame (2) flats.

Owner.....W. L. Hemminga, Inc., 126 Post, San Francisco.

Architect...None.

Day's work. COST, \$5000

FRAME DWELLING

(1585) S INGERSON 200 E Jennings. One-story and basement frame dwlg.

Owner.....C. Milke, 1550 Kentucky, San Francisco.

Architect...None.

Day's work. COST, \$700

FRAME STORAGE ROOM

(1586) NO. 456 DUBOCE. One-story frame storage room.

Owner.....Ira W. Coburn, 547 Bran- nan, San Francisco.

Architect...None.

Day's work. COST, \$550

MOVE AND UNDERPIN

(1587) NO. 1152 SHOTWELL. Move underpin and add one room.

Owner.....Robt. Trost, 1164 Shotwell, San Francisco.

Architect...None.

Day's work. COST, \$800

FRAME RESIDENCE

(1588) SE DIVISADERO AND GREEN. Three-story and basement frame residence.

Owner.....M. A. Little, 1347 4th Ave., San Francisco.

Architect...E. E. Young, 251 Kearny, San Francisco.

Day's work. COST, \$17,000

FRAME FLATS

(1589) N RIVOLI 152-5½ W Cole W 26-2xN 100. All work for alterations and additions to make two-story and basement frame building into flats.

Owner.....Annie Fullerton, 136 Rivoli San Francisco.

Architect...None.

Contractor...Karl Yngve, 133 Alpine, San Francisco.

Filed May 27, '15. Dated May 26, '15.

Enclosed, roof, rustic and floor on\$541

Rough plaster completed inside

and outside 541

Completed and accepted..... 541

Usual 35 days..... 541

TOTAL COST, \$2164

Bond, none. Limit, 60 days. Forfeit, none. Plans and specifications filed.

CONSTRUCTING THREE ROOMS

(1590) NO. 525 MARKET. All work for constructing three rooms under mansard roof in building.

Owner.....Crocker Estate Co., Crocker Bldg., San Francisco.

Architect...Jno. R. Cahill.

Contractor...Jno. R. Cahill, 460 Montgomery, San Francisco.

Filed May 27, '15. Dated May 2, '15.

On completion, payments of.... 75%

Usual 35 days..... 25%

TOTAL COST, \$1122

Bond, \$545. Surety, Hartford Accident & Indemnity Co. Limit, 28 days. Forfeit, none. Plans and specifications filed.

NOTE:—1st report May 22, No. 1521.

(1591) S CLAY 60 E Front; No. 241 Clay. All work for tide and ground

water drainage system for an old

building of two stories and basement.

Owner.....Corville Estate Company.

Architect...J. E. Kraft & Sons, Phelan Bldg., San Francisco.

Contractor...Brockhage, Foley & Green, 1326 Natoma, S. F.

Filed May 27, '15. Dated May 17, '15.

July 7, 1915.....\$500

August 7, 1915..... 250

October 7, 1915..... 250

November 8, 1915..... 250

December 7, 1915..... 250

TOTAL COST, \$1550

Bond, \$800. Sureties, D. O. Druffel and Victor Staqust. Limit, May 30. Forfeit, \$10. Plans and specifications filed.

BRICK STORES

(1592) S MARKET 75 W Seventh W 75xS 100. Brick work for one-story and basement brick (4) stores.

Owner.....The Odd Fellows' Hall Association of S. F., 7th and Market, San Francisco.

Architect...None.

Contractor...Wm. A. Rainey, 180 Jessie, San Francisco.

Filed May 27, '15. Dated May 25, '15.

Basement walls and piers completed\$675

Completed and accepted..... 675

Usual 35 days..... 675

TOTAL COST, \$2025

Bond, \$1012.50. Sureties, R. Dewar & Sons and J. H. Forbes. Limit, 20 days

after notification. Forfeit, \$5. Plans and specifications filed.

(1593) LUMBER, CARPENTER, MILL, roofing, tinning, galvanized iron, plastering, glass and glazing, marble and mosaic on above.

Contractor...Robert Dewar & Son, 180 Jessie, San Francisco.

Filed May 27, '15. Dated May 25, '15.

As work progresses on 1st of

each month 75%

Usual 35 days..... 25%

TOTAL COST, \$3540

Bond, \$1770. Sureties, W. A. Rainey and J. H. Forbes. Limit, 50 days after

notification. Forfeit, \$5. Plans and specifications filed.

FRAME DWELLING

(1594) W EDINBURGH 75 N Italy. One-story frame dwelling.

Owner.....Jas. Barron, 746 Edin- burgh, San Francisco.

Architect...None.

Day's work. COST, \$1000

ADDITION

(1595) N SUNNYSIDE 175 E Acadia. Add three rooms and bath to building now under construction.

Owner.....F. R. Marcus, 1014 Larkin, San Francisco.

Architect...None.

Contractor...P. W. Montrouil, 270 An- dover, San Francisco.

COST, \$600

FRAME DWELLING

(1596) E GRANADA 200 S Grafton. One-story and basement frame dwlg.

Owner.....Gus Carlson, 66 Park, S. F.

Architect...None.

Day's work. COST, \$1000

ALTERATIONS

(1597) NO. 1918 FIFTEENTH. Alter front, add porch and enlarge bath.

Owner.....M. C. Gallaini, Premises.

Architect...None.

Day's work. COST, \$800

FRAME DWELLING

(1598) W JENNINGS 100 S Ingerson.
One-story and basement frame dwlg.
Owner.....Theo. L. Meyer, 145 Salinas
Ave., San Francisco.
Architect...None.
Contractor..W. T. Rutherford, 1138
Gilman Ave., San Francisco
COST, \$400

FRAME DWELLING

(1599) NE PRAGUE AND NAYLOR.
Two-story and basement frame dwlg.
Owner.....Minerva B. Rush, 879 Bry-
ant, San Francisco.
Architect...None.
Contractor..E. Rush, 879 Bryant, S. F.
COST, \$1500

FRAME FLATS

(1600) E RAMONA AVE 80 S 14th E
75xS 25. All work for two-story and
basement frame flats.
Owner.....Wm. C. and Elizabeth
Brumfield, 18 7th, S. F.
Architect...None.
Contractor..Wm. A. Newsom, Sharon
Bldg., San Francisco.
Filed May 28, '15. Dated May 24, '15.
Rough frame done & roof on. \$ 773.50
Brown coated 773.50
Standing finish on..... 773.50
Accepted 773.25
Usual 35 days..... 1031.25
TOTAL COST, \$4125.00
Bond, none. Limit, 90 days. Forfeit,
none. Plans and specifications filed.

FRAME RESIDENCE AND GARAGE

(1601) N DORLAND 326-4 E Dolores
25-8½x70. All work for two-story
and basement frame residence and
garage.
Owner.....J. L. & Mrs. J. L. Sweeney,
3654 18th, San Francisco.
Architect...Oliver Evans, 2861 Mission
San Francisco.
Contractor..Ahlbach & Healey, 1786
Market, San Francisco.
Filed May 28, '15. Dated May 8, '15.
Frame up\$671.25
Brown coated 671.25
Completed 671.25
Usual 35 days..... 671.25
TOTAL COST, \$2685.00
Bond, none. Limit, 60 days after May
8. Forfeit, none. Plans and specifica-
tions filed.
NOTE:—1st report May 27. No. 1577.

HEATING

(1602) NO. ¾ FAIR OAKS. Heating
system for residence.
Owner.....Thos. W. Hickey, 860 Phe-
lian Bldg., San Francisco.
Architect...Leo J. Devlin, Pacific Bldg
San Francisco.
Contractor..The Gilley Schmidt Co.,
Inc.
Filed May 28, '15. Dated May 24, '15.
On 1st of each month as work
progresses 75%
TOTAL COST, \$650
Bond, \$325. Surety, Hartford Accident
& Liability Co. Limit, fast as carpen-
try work progresses. Forfeit, none.
Plans and specifications filed.

PAINTING, ETC.

(1603) SW GEARY AND TAYLOR.
Washing, cleaning, wire brushing,
puttying, patching, painting, staining
decorating, etc., for Hotel Bellevue.
Owner.....Edward Barron Estate Co.,
Holbrook Bldg., S. F.

Architect...Geo. H. Howard, Lick
Bldg., San Francisco.
Contractor..Vincent J. Donovan, 729
Minna, San Francisco.
Filed May 28, '15. Dated May 27, '15.
Completed and accepted.....\$937.50
Usual 35 days..... 312.50
TOTAL COST, \$1250.00
Bond, none. Limit, 25 days. Forfeit,
none. Specifications only filed.

LIGHTING FIXTURES

(1604) SW HOWARD AND 16TH W
175-1xS 187-6. Lighting fixtures for
building.
Owner.....Mission Consolidated Real-
ty Company.
Architect...J. R. Miller, Lick Bldg.,
San Francisco.
Contractor..Thomas Day Co., 725 Mis-
sion, San Francisco.
Filed May 28, '15. Dated May 27, '15.
On presentation of certificate to
Architect 75%
Usual 35 days..... 25%
TOTAL COST, \$1100
Bond, \$550. Surety, National Surety Co.
Limit, 15 days. Forfeit, \$15. Plans
and specifications filed.

INCORPORATIONS

Refractory Magnesite Company.
Capital Stock, \$24,000; 2400 shares at
\$10 each; amount subscribed, \$30.
Place of business, San Francisco. Di-
rectors—F. R. Turton, W. B. Stone, M.
H. Battenberg, 1 share each.

Oakland Hippodrome Company. Cap-
ital Stock, \$100,000; 100,000 shares at
\$1 each; amount subscribed, \$4. Place
of business, San Francisco. Directors
—J. T. Fleming, W. Morris, E. E.
Smith, D. Greenau, 1 share each.

Western Pacific Steamship Company.
To operate boats for freight and trans-
portation purposes. Capital Stock,
\$225,000; 2250 shares at \$100 each;
amount subscribed, \$300. Place of
business, San Francisco. Directors—H.
W. Glensoe, C. L. Moore and L. M.
Bliss, 1 share each.

Russ Cafe Company. General restau-
rant business. Capital Stock, \$10,000;
100 shares at \$10 each; amount sub-
scribed, \$30. Place of business, San
Francisco. Directors—J. L. Radovich,
A. Radovich and D. Radovich, 1 share
each.

LEASES.

May 27, 1915—NO. 2396 MISSION, W
line bet. 19th and 20th. W C Ehren-
pfort to Louis Herman. 5 years.
\$5400.

May 25, 1915—NO. 3312 FILLMORE
near Lombard, 15x35. Jas C Kane to
Edw Ganstler. 9 months. \$75 per
month.

May 25, 1915—N IVY AVE 182-6 W Polk
No. 50 Ivy Ave. J K Brassill to A O
Plummer and J P Rice. 6 years.
\$4560.

May 24, 1915—E SANSOME 89 S Cali-
fornia S 50-2½ E 137-6 N 50-2½ W
137-6. The Mutual Life Insurance Co
of New York to J C Zellerbach. 20
years, \$250 per month, etc.

NOTICE OF NON-RESPONSIBILITY.

May 24, 1915—E BERLIN 175 N
Dwight N 25xE 120 Blk 9, Univer-
sity Mound Hd Ass'n. Sarah Weis-
stein as to improvements on leased

property
May 25, 1915—SE CALIFORNIA AND
15th Ave N 25xE 102-6; E 15th Ave
25 N California N 25xE 102. San
Francisco Land Co as to improve-
ments on leased property.....

CONTRACT TO CONSTRUCT SEWER.

Clyde C. Westover, owner with Man-
uel Pires, contractor, to construct 12-
inch iron stone pipe sewer with Y
branches on Clarendon Avenue, bet
Carmel and Burnett Aves. Contrac-
tor agrees to lay 118 feet for owner at
price \$218.30. Filed May 27, 1915.

COMPLETION NOTICES.

San Francisco

May 22, 1915—E POWELL 137-6 N
California N 68-9xE 137-6. A W
Wilson and Jos Martin to Hard-
wood Interior Co.....May 14, 1915
May 22, 1915—S LOMBARD 137-6 E
Pierce E 45xS 95. Patrick A or P
A Dolan to F H Dunakin. May 1, 1915
May 22, 1915—E HYDE 112-6 N Val-
lejo N 25xE 82-6. Michael and
John Dempniak to whom it may
concern.....May 22, 1915
May 22, 1915—EXPOSITION SITE. S
L Da Silva Ferreira, Consul de
Portugal to Caldwell & Son.....
.....May 14, 1915
May 22, 1915—E GUERRERO 77 N
27th N 23-6xE 100. James Lamont
to whom it may concern. May 22, 1915
May 22, 1915—W TWENTIETH AVE
100 N Anza 25x120. Chas E Ham to
McCausland Bros.....May 22, 1915
May 22, 1915—BLK BDED BY 3RD,
4th, Townsend and King. South-
ern Pacific Co to William N New-
somMay 13, 1915
May 24, 1915—NW GEARY & WOOD
W 89-9xN 70. John Henry Meredith
to S F Bldg Co.....May 14, 1915
May 24, 1915—S ELLIS 137-6 W Jones
W 82-6xS 137-6. Traders Realty Co
to Hughson & Morton Co, Inc., May
18; Greenback Plastering Co., Inc,
May 18; Otis Elevator Co, May 18;
J E O'Mara, May 18; Newbery-
Bendheim Elec Co.....May 18, 1915
May 24, 1915—SW HOWARD AND
Sixteenth W 175-6 S parallel with
Howard 90 E 75-6 N 2-6 E 100 N
87-6. Mission Consolidated Realty
Co to Butte Eng & Elec Co.....
.....May 18, 1915
May 24, 1915—LEESE NOS. 126, 127,
129 and 131. Jacques Narbebury to
Jacques Narbebury.....May 24, 1915
May 24, 1915—E SEVENTH AVE 362-
5% N Lake N 30xE 120. W I Smith
to Paul K Jones.....May 22, 1915
May 24, 1915—NW LONDON 175 SW
Persia Ave SW 25xNW 100; Ptn Lot
7 Blk 4, Excel Hd. John Andrews
to whom it may concern. May 22, 1915
May 25, 1915—N WAYLAND 81 W
Berlin W 26xN 100; Blk 20 Uni-
versity Mound Hd Ass'n. John E
and Mathilda C Anderson to John
Nelson.....May 22, 1915
May 25, 1915—LOT 24 BLK 14 Crock-
er Amazon Tract. John Bjorkman
to whom it may concern. May 25, 1915
May 25, 1915—S RUSH 137-6 W Mont-
gomery W 70x137-6. Shiels Estate
Company or Shiels Est Co. to H H
Larsen & Bro.....May 20, 1915
May 25, 1915—N GEARY 75 W Wood
W 25xN 70; No. 2820 Geary. John

Henry Meredith to S F Bldg Co... May 17, 1915
 May 26, 1915—SW EDDY AND HYDE W 137-6xS 137-6. W E Dean to Frank J Klimm, May 26; I Kissell May 26, 1915
 May 26, 1915—BLK BDED BY THIRD Fourth, Townsend and King. Southern Pacific Co to Van Sant-Houghton Co, May 17; City Street Imp Co..... May 21, 1915
 May 26, 1915—W NOE 125 N 18th N 25xW 125. Emma Minro to D A Comisky and D W Ross. May 24, 1915
 May 26, 1915—W HOWARD 100 N 18th N 30xW 122-6. I D and F Klopstock to C E McMullin and R von Voorhies..... May 24, 1915
 May 26, 1915—LOT 10 BLK "B" Mission St. Land Co. Homestead Realty Co to Wm H Grahm..... May 26, 1915
 May 26, 1915—S ELLIS 137-6 W Jones W 82-6xS 137-6. Traders Realty Co to Thos Day Co..... May 20, 1915
 May 26, 1915—NE THOMAS AVE (20th Ave South) 150 NW Jennings ("J" South) NW 25xNE 100. George Ryan to Wm H Grahm. April 25, 1915
 May 26, 1915—S BUSH 137-6 W Montgomery W 70xS 137-6. Shields Estate Co to Pacific Rolling Mill Co et al..... May 22, 1915
 May 26, 1915—NE CALIFORNIA & Fillmore N 82-7½xE 52-3. E C and O M Hueter to Higginson Co..... May 25, 1915
 May 26, 1915—E POWELL 137-6 N California N 68-9xE 137-6. A W Wilson and Joseph Martin to Newbery-Bendheim Elec Co, May 19; Scott Co, Inc..... May 19, 1915
 May 27, 1915—NE EDDY AND JONES N 137-6xE 137-6. W E Dean to F L Hansen..... May 26, 1915
 May 27, 1915—NE OCTAVIA AND Hayes N 120xE 38-3. L Gendotti Estate Co to A W Bryant. May 24, '15
 May 27, 1915—N CHESTNUT 68-9 E Hyde E 68-9xN 137-6. M A or Mary A Humphreys to Scott Co, Inc..... May 24, 1915
 May 28, 1915—E POLK 87-8½ S Clay S 40xE 102-10½. Mary N, Lucy H and Edith W Allyne to Barrett & Hilp..... May 25, 1915
 May 28, 1915—SW HOWARD & 16TH W 175-6 S 90 E 75-6 N 2-6 E 100 N 87-6. Mission Consolidated Realty Co to Kiernan & O'Brien, May 24; C A Brady..... May 26, 1915
 May 28, 1915—NW HYDE AND CALIFORNIA W 87-6xN 87-6. Lena S Kalben and as attorney in fact for George G Katz, Gustave A and Louis R Katz and Frieda P Sherwood to C C Holt..... May 27, 1915
 May 28, 1915—E JONES 67-6 S Pine S 30xE 87-6. John R Schroeder to whom it may concern..... May 26, 1915
 May 28, 1915—E MASON 68-9 N Geary E 137-6xN 68-9. Hall Association, N S G W to Mangrum & Otter..... May 20, 1915

NOTICES OF NON-RESPONSIBILITY.

May 26, 1915—N CHESTNUT 192-3 W Van Ness Ave W 27-6xN 137-6. Giovanni Della Maggiora and Rosa Del Carlo as to improvements on leased property
 May 26, 1915—CLIFF HOUSE AND ptn Cliff House Stable and lands to S of Cliff. Emma L Merritt, extrx Estate Adolph Sutro, dec'd, as to

improvements on leased property
 May 26, 1915—E FRANKLIN 68-9 S Francisco S 68-9 E 137-6 (137.6) N 68-9 W 137-6. Francisco Rossi as to improvements on leased property
 May 26, 1915—NE CALIFORNIA & 15th Ave N 25xE 102-6. San Francisco Land Co as to improvements on leased property.....

LIENS FILED

SAN FRANCISCO COUNTY.

May 22, 1915—S TWENTY-THIRD 61-5 W San Jose Ave W 25xS 85. Edward Walter Regensburger (as Electrical Maintenance Co) vs Sam Lynn or S T Lynn.....\$135
 May 22, 1915—S LOMBARD 138 W Baker W 27-6xS 137-6. L A Hufschmidt Mfg Co vs A Halstrom, John Doe Lacazette and John Doe Barnes\$52
 May 24, 1915—EXPOSITION SITE. Hooper Lumber Co vs E W McConnell and Panama-Pacific International Exposition Co.....\$290.17
 May 24, 1915—SW PACIFIC AVE & Laguna W 137-6 S 127-8½ E 41-6 N 33 E 96 N 94-8½. Hardwood Interior Co vs James P Fletcher and Pacific Realty Co.....\$214.44
 May 24, 1915—SW PACIFIC AVE & Laguna W 137-6 S 127-8½ E 41-6 N 33 E 96 N 94-8½. Hardwood Interior Co vs Pacific Realty Co.....\$156
 May 24, 1915—S CARL 100 E Shrader E 27xS 137-6. Leon Blum vs P D Bernhard and Harry C Warwick\$402.30
 May 24, 1915—E FOLSOM 223-4 N 19th N 38xE 122-6. Stanquist & Forbes vs Bay City Bldg Co.....\$413.35
 May 24, 1915—W KEARNY — N Post No. 111 Kearny. Braas & Kuhn Co vs Pacific Realty Co, H Hauschidt, M Eiberger and The Hauschidt...\$573.25
 May 24, 1915—E TWENTY-SECOND Ave 200 S California S 50xE 120. Robert Balzke vs J A Orford, John Doe Johnson & Richard Doe Johnson (as Johnson & Johnson)...\$105.52
 May 24, 1915—COURTLAND AVE NO. 1018; 50x100 at Cor. of Folsom. Gack Rinaldo vs John Bianchi...\$63
 May 25, 1915—S CARL 100 E Shrader E 27xS 137-6. W P Fuller & Co vs P D Bernhard & H C Warwick...\$493
 May 25, 1915—S LAKE 28-6 E 18th Ave E 25xS 84. W P Fuller & Co vs Lloyd Burley Ham and McCausland Bros\$95
 May 25, 1915—E POWELL 137-6 N California N 68-9xE 137-6. W P Fuller & Co vs A W Wilson, Joseph Martin and August Gradin...\$1073.12
 May 25, 1915—SE CHESTNUT AND Scott S 25xE 110. United Lighting Fixture Co vs Frank and Cecelia Miccalizzi\$85
 May 26, 1915—N BAY 87.06 W Franklin N 62.89 W 65 S 221.01 E 65 N 158.12 to pt of beg. Atlas Heating & Ventilating Co vs Austrian Concessions Co, Panama-Pacific International Exposition Co, Geo E and E M Schneider, J C Hladik and J H Stoutenborpish\$195
 May 26, 1915—W MASON 27-6 S Ellis S 55xW 82-6. Pioneer Plate & Window Glass Co vs Peter F Dunne and Lewis & Kaiser.....\$121.50
 May 26, 1915—SE O'FARRELL 137-6

W Powell W 60xS 117-6. Inland Floor Co vs Kate D Winship and Sandy McNaughton\$110
 May 26, 1915—W EIGHTEENTH AVE 175 N Lake W 70 — 55.07 E to a pt on W 18th Ave 225 N Lake S to beg. R N Nason & Co vs Mae E Green and The Harrison Corporation\$226.88
 May 27, 1915—NE IRVING AND Sixth Ave N 35xE 95. Hardwood Interior Co vs Albert W Lehrke...\$315
 May 27, 1915—LOT 41 BLK 4, Lakeview. C G Nelson vs Frank and Genevieve McCarthy.....\$110
 May 27, 1915—S CARL 100 E Shrader E 27xS 112-6. Francis E Teltz vs P D Bernhard and Harry C Warwick\$342.50
 May 27, 1915—S CARL 100 E Shrader E 27xS 112-6. Henry, Carl F and Henry A Ernst (as Henry Ernst & Sons) vs P D Bernhard and Harry C Warwick\$905
 May 27, 1915—S LAKE 28-6 E 18th Ave E 25xS 84. A G Anderson, \$127.50; Independent Roof & Paving Co, \$23.75 vs Lloyd Burley Ham and McCausland Bros.....
 May 27, 1915—S LAKE 28-6 E 18th Ave E 25xS 84. Reinhart Lumber & Planing Mill Co vs Lloyd Burley Ham, George & Frank McCausland\$137.44
 May 27, 1915—S CARL 100 E Shrader E 27xS 112-6. Reinhart Lumber & Planing Mill vs Peter Bernhard and Harry Warwick.....\$1552.84
 May 27, 1915—E TWENTY-SECOND Ave 205-8 N Taraval N 26-6xE 120. Reinhart Lumber & Planing Mill Co vs Charles and Lena Bauersachs P Grell and E Ichter.....\$171
 May 28, 1915—S LAKE 28-6 E 18th Ave S 84xE 25. John J Delucchi vs Lloyd Burley Ham and McCausland Bros\$95
 May 28, 1915—S CARL 100 E Shrader E 27xS 112-6. M Schimetschek vs Harry Warwick\$200
 May 28, 1915—S LOMBARD 138 W Baker W 27-6xS 137-6. S Gelber vs A Halstrom and Louis Lacazette\$70
 May 28, 1915—S LAKE 28-6 E 18th Ave E 25xS 84. Wm Heidenreich vs Lloyd Burley Ham, John H and Caroline F Palmer and McCausland Bros\$65
 May 28, 1915—S LAKE 28-6 E 18th Ave E 25xS 84. Columbia Lumber Co vs L B Ham and McCausland Bros\$652.24
 May 28, 1915—CASTRO NO. 785. W P Fuller & Co vs McCausland Bros and Patrick King.....\$23.50
 May 28, 1915—S LAKE 28-6 E 18th Ave S 84xE 25. C W Higgins vs Lloyd Burley Ham and McCausland Bros\$190

RELEASE OF LIENS

SAN FRANCISCO COUNTY.

RECORDED	AMOUNT
May 18, 1915—W SIXTEENTH AVE 178-11 N Clement N 25xW 120. N O Nelson Mfg Co to Mrs R Gasque and H O Bowen.....	
May 17, 1915—EXPOSITION SITE. W P Fuller & Co to Gilbert M Anderson, A W Lewis and Panama-Pacific International Exposition Co.....	
May 17, 1915—N MOHAWK AVE 120 W Mission W 25xN 100; N Mohawk Ave 145 W Mission W 25xN 100. R	

W Kinney Co to Niels Jacobsen....
 May 20, 1915—E NEWTON 125 N
 Morse E 123.67 NE 9.69 NW 21.35 W
 120.83. Jones-Duncan Paint Co to
 M C Warnock and Paul Andro....
 May 21, 1915—W TWELFTH AVE 150
 S Anza W 120xS 25. N O Nelson
 Mfg Co to Wm D Hall and H O
 Bowen
 May 26, 1915—SW POWELL AND
 Broadway W 100xS 93-6. Mark-
 Lally Co to Kate Grimm et al....
 May 26, 1915—SW POWELL AND
 Broadway W 100xS 93-6. Mark-
 Lally Co to C A Jeffers et al.....
 May 25, 1915—SE GREEN AND FILL-
 more S 86-6xE 70-5. Haines Jones
 & Cadbury Co to Bertha Oberfeld
 and H M Kelly.....
 May 24, 1915—N UNION 190 W Web-
 ster W 25xN 137-6. George Y Mor-
 ton to Florence Davis.....
 May 28, 1915—EXPOSITION SITE.
 Hooper Lumber Co to E W McCon-
 nell and Panama-Pacific Interna-
 tional Exposition Co.....
 May 27, 1915—SE FOLSOM & CORT-
 land Ave S 43 E 70 N 87 m or 1
 SW 83 m or 1. Carl Frank, Michel
 & Pfeffer, Arthur Morrow, United
 Lighting Fixture Co, Guisepp
 Ricca and Antonio Gazzera, Greater
 City Lumber Co, W P Fuller &
 Co, Fibrestone & Roofing Co, G C
 Ames and Gach Rinaldo to John
 Bianchi
 May 28, 1915—E TWENTY-FIRST
 Ave 281 N California N 25xE 120.
 Daniel H Rhodes; George W or
 Geo W Peek; Eagle Elec Co; George
 Ryan; Olson Mahony Lumber Co;
 Akard Door Opener Co; Daniel W
 Moriarty; Thos or Thomas Skelly;
 Atlas Heating & Ventilating Co;
 Carnevali Marble & Mosaic Co; E
 Anderson; Cobblelick-Kibbe Glass
 Co; Walter Thompson; Friedman
 Bros; S I Volz to Emma L Freder-
 ique
 May 29, 1915—CORTLAND AVE LOT
 551, Gift Map No. 2. Bell's Wall
 Beds to John Bianchi.....
 May 29, 1915—S COURTLAND AVE &
 SW Folsom SW 40-11 SE 48-6 NE
 66-4 1/4 SW 56-10 1/2. Edmund L and
 H M Scott to Giovanni Bianchi.....
 May 29, 1915—SW FOLSOM AND
 Courtland Ave. N F Hatfield to
 Giovanni Bianchi

OAKLAND AND ALAMEDA COUNTY

APARTMENT HOUSE—3 story and
 base, frame and reinforced concrete,
 \$35,000. Oakland, Cal. Architect,
 Charles J. Rousseau, 46 Kearny street,
 S. F. Owner, Mrs. Carrie B. Rousseau.
 The building will be erected at the
 northwest corner of Grand avenue and
 Park View, facing Lake Merritt and
 has been designed to contain a number
 of two, three and four room apart-
 ments. Interior finish will be of pine
 and hardwood and white enamel. Hard-
 wood floors will be used in the living
 and dining rooms. Plans provide for
 a central heating system with an oil
 burning plant, hot water supply and
 vacuum cleaning. All apartments will
 have wall beds and private baths. Tile
 wainscot and floors will be used in the
 baths. Exterior of the building will
 be faced with cement plaster on metal
 lath. Plans are complete and segre-
 gated figures are now being taken.

LODGE HALL ADDITION—2 story,
 brick and frame, \$3,500. Oakland, Cal.

Architects, Schirmer, Bugbee & Co.,
 Dalziel Bldg., Oakland. Owners,
 Knights of Columbus. The present
 lodge building of the Knights of Co-
 lumbus, located on the north side of
 13th street, near Grove, will undergo
 alteration and addition. A two-story
 brick and frame addition will be
 erected, containing lodge rooms and
 offices. Interior finish will be of pine
 throughout. Hardwood floors will be
 used. Exterior will be faced with ce-
 ment plaster. Plans are now being
 prepared.

SCHOOL—1 story and base, frame
 and plaster, \$36,000. Berkeley, Ala-
 meda Co., Cal. Architect, Walter D.
 Reed, Oakland Bank of Savings Bldg.,
 Oakland. Owners, City of Berkeley.
 The building will be erected on Uni-
 versity avenue, between Curtis and
 Bonar streets, and will cover a con-
 siderable ground area. There will be
 eight class rooms, an auditorium seat-
 ing 500 people, principal's office, teach-
 ers' room and library. Interior finish
 will be of pine, with maple floors in
 the class rooms. Steam heat with an
 oil burning equipment is specified.
 Marble and tile wainscot will be used
 in the toilets. Modern school plumb-
 ing, vacuum cleaning and program
 clocks are specified. Exterior of the
 building will be faced with cement
 plaster on metal lath. Plans are com-
 plete and figures are now being taken.
 Bids will be opened on June 8 at 10
 a. m.

TERMINAL BUILDING — 10 story
 and base. Class A construction, \$1,-
 000,000. Oakland, Cal. Architect, O.
 G. Traphagen, 244 California street, S.
 F. Owners, Southern Pacific Co. Pre-
 liminary plans have been prepared and
 approved by the Southern Pacific Co.
 for a ten-story, class A terminal and
 office building which it is proposed to
 erect on property bounded by 13th,
 Franklin, Webster and 14th streets.
 Construction will be of the class A
 type throughout with a complete steel
 frame and brick exterior walls, faced
 with terra cotta. Interior has been
 designed to house exterior clerical
 force of the company. Interior finish
 will be of pine and hardwood. There
 will be an adequate elevator service,
 steam heat and vacuum cleaning. Fur-
 ther details of the work will be given
 shortly.

APARTMENT HOUSE AND STORES
 —3 story and base, brick, \$40,000. Ber-
 keley, Alameda Co., Cal. Architects,
 Rousseau & Rousseau, 110 Sutter street,
 S. F. Owners, Rivers Bros. The build-
 ing will be erected at the southeast
 corner of Ashby and College avenues,
 and has been designed to contain seven
 stores on the first floor besides the
 entrance. Upper floors will be ar-
 ranged for a number of two and three
 room suites with wall beds and private
 bath rooms. Interior finish will be of
 pine and hardwood veneer. Hardwood
 floors will be used in the principal
 rooms. There will be a central heat-
 ing system and hot and cold water sys-
 tem. Bath rooms will be finished in
 tile. Exterior of the building will be
 faced with pressed brick and cement
 plaster. Patent store fronts are spec-
 ified. Plans are complete and segre-
 gated figures are being taken.

RESIDENCE — 2 story and base,
 frame, \$8,500. Oakland, Cal. Archi-
 tect, Edward T. Foulkes, Crocker
 Bldg., S. F. Owner, L. S. Scott. The

dwelling will be erected on Ashmont
 near Mandana, and has been designed
 for an eight-room house with two
 baths and sleeping porch. Interior
 will be finished in pine and hardwoods
 with white enamel in the bed rooms.
 Hardwood floors will be used in the
 principal rooms. There will be furnace
 heat and open fire places. Mantels will
 be of tile and brick. Automatic water
 heater will be installed. Bath rooms
 will be finished in tile. Exterior of the
 dwelling will be covered with cement
 plaster on metal lath. Plans are com-
 plete and out for figures.

THEATRE ADDITION AND ALTER-
 TION—\$5,000. Oakland, Cal. Architect,
 none. Owners, Jespersen & Dippo, 878
 54th street, Oakland. The work will
 consist of building brick walls and
 construction of a large gallery. Inter-
 ior will also be remodeled and new
 interior painting and decorating will
 be required. The building will also be
 rewired. Plans are complete and in
 the hands of the owners who will do
 the work by Day Labor.

THEATRE AND STORES—3 story
 and base. Class A construction, \$100,-
 000. Oakland, Cal. Architect, Edward
 T. Foulkes, Crocker Bldg., S. F. Owner,
 McPike, leased to the Bishop Co. The
 building will be erected on the east
 side of Franklin street north of 14th,
 and will cover a large ground area.
 There will be nine stores on the first
 floor besides the main theatre and
 lobby. Interior of the theatre will be
 finished in hardwoods, metal and orna-
 mental plaster. There will be a complete
 steel frame with brick walls faced with
 pressed brick trimmed with terra
 cotta. Plans provide for steam heat, a
 modern system of ventilating and
 metal window sash and frames. Pat-
 ent store fronts are specified. Plans
 are complete and figures will be called
 for at once.

HOSPITAL ADDITION — 1 story,
 brick, \$5,000. Oakland, Cal. Archi-
 tect, Walter J. Mathews, 927 Broad-
 way, Oakland. Owners, Merritt Hos-
 pital. The new portion of the build-
 ing is a part of extensive improve-
 ments to be made later. There will
 be a steel frame and brick exterior
 walls. Plans are complete and fig-
 ures are now being taken.

HOSPITAL ADDITION—2 story and
 base, brick and steel, \$60,000. Oak-
 land, Cal. Architect, Walter J. Mathews,
 927 Broadway, Oakland. Owners, Mer-
 ritt Hospital. The addition will cover
 a large ground area, and when com-
 plete will be arranged for private
 rooms, operating room and office. In-
 terior will be finished in pine, tile and
 white enamel. Hardwood floors will be
 used. There will be steam heat, a hot
 water supply and vacuum cleaning.
 Exterior of the building will be faced
 with pressed brick. Plans are being
 prepared, but figures will not be taken
 for some time.

RESIDENCE — 2 story and base,
 frame, \$8,000. Berkeley, Alameda Co.,
 Cal. Architect, J. W. Plachek, Acheson
 Bldg., Berkeley. Owner, J. Donahue.
 The dwelling has been designed for an
 eight-room house with two baths and
 sleeping porch, and will be erected in
 the Claremont Tract. Interior will be
 finished in pine, hardwood and white
 enamel. Hardwood floors will be used
 in the principal rooms. There will be
 furnace heat and open fire places. An
 automatic water heater will be in-

stalled. Bath rooms will be finished in tile. Exterior of the house will be covered with cement plaster on metal lath. Plans are now out for figures.

Building Contracts Awarded. Oakland.

No.	Owner	Contractor	Amt.
950	McLain	Larmer	425
951	Smith	Nicholas	400
952	Swed-Am Ass'n	Olson	16086
954	Longwell	Longwell	1800
955	Goranson	Goranson	2500
957	O'Connell	O'Connell	2000
959	Baird	Cox	1600
960	Irwin	SEherwood	1250
961	Pozzi	Sommarstrom	12500
963	Glantz	Glantz	1600
967	Castle	Heyer	14300
968	Dolan	Legault	1475
970	Kraft	Dingwell	500
971	Avilla	Brown	1000
972	Rlty Syndicate	MacIntyre	1000
973	Friedman	Armstrong	12500
974	Jespersion	Dippo	5000
975	Silva	Silva	800
976	Norris	Norris	1500
977	Faulhaber	Owner	2200
978	Barron	Kavins	400
979	Caspar	Brown	1850
980	Nadon	Graff	3750
982	Bd Education	Koski	747
983	Fabiansen	Maasberg	1520

ALTERATIONS

(950) S LAKE 100 W Oak, Oakland.
Alterations.
Owner.....Mr. McLain, Oakland.
Architect...None.
Contractor...Edw. Larmer, 470 Boulevard Way, Oakland.
COST, \$425

GARAGE

(951) NW WELLINGTON & EDGEwood, Oakland, Garage.
Owner.....Mary F. Smith, 608 12th, Oakland.
Architect...None.
Contractor...G. E. Nicholas, 764 Lydia, Oakland.
COST, \$400

FRAME LODGE BUILDING

(952) W TELEGRAPH AVE 40 S 23rd W 101.27 S 55.74 E 102.18 N 55.74, Oakland. All work except heating appartus, electric work, light fixtures, finish hardware and tinting for three-story frame lodge building
Owner.....Swedish - American Hall Ass'n, Care A. Sutherland, Sec., 911 Washington, Okd.
Architect...Fred Soderberg, Union Bank Bldg., Oakland.
Contractor...Alfred Olson, 1116 Myrtle, Oakland.
Filed May 22, '15. Dated May 21, '15.
2nd story rough floor laid.....\$1200
Ready for lath.....3200
Plastered, roof on and windows in3600
Usual 35 days.....4086
TOTAL COST, \$16,086
Bond, none. Limit, 115 days. Forfeit, none. Plans and specifications filed.

DWELLING

(954) S THIRTY-EIGHTH 255.56 E Grove, Oakland. One-story 5-room dwelling.
Owner.....S. R. Longwell, 609 38th, Oakland.
Architect...None.
Day's work. COST, \$1800

DWELLING

(955) E BRYANT AVE 40 N College Ave., Oakland. One-story 6-room dwelling.

Owner.....H. Goranson, 431 48th, Oakland.
Architect...None.
Day's work. COST, \$2500

DWELLING

(957) S FORTIETH 400 E Grove, Oakland. One-story 5-room dwelling.
Owner.....John O'Connell, 579 38th, Oakland.
Architect...None.
Day's work. COST, \$2000

DWELLING

(959) S DAMUTH 340 E Fruitvale Ave., Oakland. One-story five-room dwelling.
Owner.....P. E. Baird, 1505 Hopkins, Oakland.
Architect...None.
Contractor...Cox & Nichols, 2014 13th Ave., Oakland.
COST, \$1600

DWELLING

(960) W FIFTY-EIGHTH 70 W Canning, Oakland. Two-story 4-room dwelling.
Owner.....William Irwin, 492 58th, Oakland.
Architect...None.
Contractor...J. P. Sherwood, 463 60th, Oakland.
COST, \$1250

APARTMENTS

(961) NW TWENTY-THIRD & HARRISON, Oakland. Two-story 24-room apartments.
Owner.....R. Pozzi, 2319 Harrison Blvd., Oakland.
Architect...None.
Contractor...M. F. Sommarstrom, 301 Oakland Ave., Oakland.
COST, \$12,500

DWELLING

(963) W EIGHTY-SEVENTH AVE 420 N E-14th, Oakland. One-story 5-room dwelling.
Owner.....C. W. Glantz, 6300 Palm Drive, Oakland.
Architect...None.
Day's work. COST, \$1600

FRAME APARTMENTS

(967) NW VAN BUREN AVE AND PERKINS, Oakland. All work except plumbing, sewerage and heating for two-story frame apartments.
Owner.....Elizabeth C. Castle, 109 Bonita Ave., Piedmont.
Architect...Bonte L. Hommedieu, Syndicate Bldg., Okd.
Contractor...Mark W. Anthony and Chas. W. Heyer (Anthony & Heyer).
Filed May 25, '15. Dated May 24, '15.
Payment once a month.....75%
Usual 35 days.....25%
TOTAL COST, \$14,300
Bond, \$7200. Sureties, Miranda Anthony Banty and C. W. Heyer. Limit, 100 days. Forfeit, none. Plans and specifications filed.

FILED MAY 25, '15. DATED MAY 24, '15.
Payment once a month.....75%
Usual 35 days.....25%
TOTAL COST, \$14,300
Bond, \$7200. Sureties, Miranda Anthony Banty and C. W. Heyer. Limit, 100 days. Forfeit, none. Plans and specifications filed.

DWELLING

(968) N ERIE 577.54 E Telegraph Ave E 39 N 171.1 W 39 S 119.9 W 39 S 114.9, Oakland. All work for one-story five-room dwelling.
Owner.....James M. Dolan, 466 42nd, Oakland.
Architect...None.
Contractor...Oliver Legault, 3136 West, Oakland.

Filed May 27, '15. Dated May 26, '15.
Frame up and roof sheathed.... ¼
Brown coated ¼
Completed and accepted..... ¼
Usual 35 days..... ¼
TOTAL COST, \$1475
Bond, none. Limit, 70 days. Forfeit, \$2. Plans and specifications filed.

ALTERATIONS

(970) NO. 476 GRAND AVE., Oakland. Alterations.
Owner.....Gustave Kraft, Premises.
Architect...None.
Contractor...J. F. Dingwell, 2021 West, Oakland.
COST, \$500

ADDITION

(971) NO. 2148 E-TWENTY-FIRST, Oakland. Addition.
Owner.....F. M. Avilla, Premises.
Architect...None.
Contractor...Joe Brown, 1847 E-14th, Oakland.
COST, \$1000

ALTERATIONS

(972) E BROADWAY N 14th, Oakland. Alter theatre.
Owner.....Realty Syndicate Co.
Architect...None.
Contractor...P. G. MacIntyre, 335 34th, Oakland.
COST, \$1000

ALTERATIONS

(973) NOS. 2213 TO 2223 TELEGRAPH Ave., Oakland. Alter three two-story dwellings into apartments and stores
Owner.....W. L. Friedman, Thomson Bldg., Oakland.
Architect...Richardson & Burrell, Albany Block, Oakland.
Contractor...G. Armstrong, 1639 Alcatraz Ave., Oakland.
COST, \$12,500

ALTERATIONS

(974) NO. 2721 SAN PABLO AVE., Oakland. Alter to moving picture theatre (enlarge theatre).
Owner.....Jespersion & Dippo, 878 54th, Oakland.
Architect...None.
Day's work. COST, \$5000

DWELLING

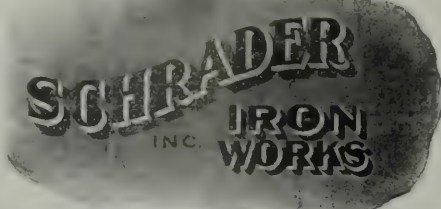
(975) W NINETY-FIRST AVE 250 S "D," Oakland. One-story four-room dwelling.
Owner.....Antone Silva, 1001 91st Ave., San Francisco.
Architect...None.
Day's work. COST, \$800

DWELLING

(976) E RICHMOND AVE 250 S 29th, Oakland. One-story 4-room dwlg.
Owner.....Josephine L. Norris, 2828 Richmond Ave., Oakland.
Architect...None.
Contractor...Justus Norris, 2828 Richmond Ave., Oakland.
COST, \$1500

DWELLING

(977) NW CORONDA AVE & HEMP-hill Court, Oakland. One-story six-room dwelling.
Owner.....Chas. E. Faulhaber, Y. M. C. A. Bldg., Oakland.
Architect...None.
Day's work. COST, \$2000



Structural Steel Contractors

**Works at
HARRISON ST.,
bet. 8th & 9th
San Francisco**

Telephone Market 337

DWELLING

(979) E KENNEDY 250 N Dennison, Oakland. One-story 5-room dwlg.
Owner.....M. Caspar, 1920 E-14th, Oakland.
Architect...None.
Contractor...Joe Brown, 4817 E-14th, Oakland.

COST, \$1850

DWELLING

(980) E JEAN 150 N Santa Clara Ave., Oakland. One-story 6-room dwlg.
Owner.....J. A. Nadon, S. F.
Architect...None.
Contractor...Edwin C. Graff, 306 Syndicate Bldg., Oakland.

COST, \$3750

FIELD HOUSE

(982) W FRUITVALE AVE 100 S Tal-lant, Oakland. One-story 2-room field house.
Owner.....Board of Education.
Architect...None.
Contractor...Koski Bros., 36 Ramona, Oakland.

COST, \$747

FRAME DWELLING

(983) S E-TWENTY-SIXTH 132 W 14th Ave S 59xE 32, Oakland. All work for one-story frame dwelling.
Owner.....C. E. Fabiansen, 3048 Adeline, Berkeley.
Architect...None.
Contractor...E. Measberg, 3951 Greenwood, Oakland.

Filed May 28, '15. Dated May 28, '15.

Roof on ¼
Plastered ¼
Completed ¼
Usual 35 days..... ¼

TOTAL COST, \$1520

Bond, none. Limit, 75 days. Forfeit, \$5. Plans and specifications filed.

BUILDING CONTRACTS

Berkeley.

No.	Owner	Contractor	Amt.
953	Rogio	Morris	2000
954	Perdue	Frostholm	4775
963	Taber	Ernsberger	6555
964	Starte	Satten	1300
965	City of Bkly.	Henderson	\$8280
966	Merzio	Fleischer	1500
969	Bachelordan	Rankin	400
981	Betzner	Pearson	1800

DWELLING

(953) N DELAWARE 151 W McGee, Berkeley. One-story 5-room dwlg.
Owner... Ross O. Rogio, 1001 Wood-ruff Ave., Oakland.
Architect...None.
Contractor...W. T. Norris, Rust, Cal.

COST, \$2000

FRAME APARTMENTS

(956) LOT 88 COLBY TCT, Berkeley. All work for two-story frame apart-ments.

Owner.....Miss A. C. Perdue, 3075 Bateman, Berkeley.

Architect...N. W. Shaw, 3073 Bateman Berkeley.

Contractor...H. M. Frostholm, Bkly.

Filed May 24, '15. Dated May 24, '15.

Frame up\$1150
Brown coated 1150
Completed and accepted..... 1150
Usual 35 days..... 1150
60 days after 4th payment..... 175

TOTAL COST, \$4775

Bond, \$2400. Surety, Maryland Casu-alty Co. Limit, 90 days. Forfeit, none. Plans and specifications filed.

FRAME DWELLINGS

(962) LOTS 24 AND 25 BLK 2 Thous-and Oaks Station Tract on Tacoma Ave., Berkeley. All work except painting, electric fixtures and shades for two one and one-half-story frame dwellings.

Owner.....Miss Cornelia Taber, 1704 Marin Ave., Berkeley.

Architect...Chester H. Mililer Co., Daiziel Bldg., Oakland.

Contractor...Frank A. Ernsberger, 6245 College Ave., Oakland.

Filed May 25, '15. Dated May 21, '15.

Frame up ¼
Brown coated ¼
Completed and accepted..... ¼
Usual 35 days..... ¼

TOTAL COST, \$6555.50

Bond, none. Limit, 75 days after May 24. Forfeit, \$5. Plans and specifica-tions filed.

ADDITION

(964) NW DWIGHT AND COLLEGE, Berkeley. Alterations and addition to dwelling.

Owner.....E. A. Starte, 2655 Dwight, Berkeley.

Architect...None.

Contractor...H. J. F. Satten, 2536 Chil-ton Way, Berkeley.

COST, \$1300

SCHOOL

(965) SW WALNUT AND ROSE, Ber-keley. One-story 15-room school.
Owner.....City of Berkeley.

Architect...Coxhead & Coxhead, Hearst Bldg., S. F.

Contractor...W. D. Henderson, Monad-nock Bldg., S. F.

COST, \$33,280

DWELLING

(966) W GRANT 275 N Channing, Berkeley. One-story 5-room dwlg.
Owner.....D. Merzio, 2332 Grant, Bkly
Architect...None.

Contractor...Chas. Fleischer, 2032 Ban-croft, Berkeley.

COST, \$1500

ALTERATIONS

(969) E COLLEGE AVE 70 S Durant, Berkeley. Alterations.

Owner.....Bachelordan Club, 2333 College Ave., Berkeley.

Architect...None.

Contractor...J. L. Rankin, 6082 Clare-mont Ave., Berkeley.

COST, \$400

DWELLING

(981) W MCGEE 120 S Delaware, Ber-keley. One-story 5-room dwelling.

Owner.....Lillian E. Betzner, 527 59th, Oakland.

Architect...None.

Contractor...Ben Pearson, 2403 Grant, Berkeley.

COST, \$1800

Alameda.

No.	Owner	Contractor	Amt.
958	Perata	Almquist	1800

DWELLING

(958) NO. 1722 JAY, Alameda. One-story 4-room dwelling.

Owner.....John Perata, Premises.

Architect...None.

Contractor...A. Almquist, 438 43rd, Okd

COST, \$1800

NOTICE OF NON-RESPONSIBILITY.

ALAMEDA COUNTY.

May 27, 1915—LOT 6 BLK 15 Map Northbrae, Bkly. Westgate Park Co as to improvements on leased property

COMPLETION NOTICES.

ALAMEDA COUNTY

May 17, 1915—E FORTY-FIRST AVE 520 S Santa Rita, being Lot 40 Blk 8 Map Steinway Terrace, Okd. Charles B Matheny to whom it may concern.....May 15, 1915

May 17, 1915—LOT 6 BLK 1 Map Ber-keley Heights, Bkly. E S Page to Louis Engler.....May 15, 1915

May 18, 1915—LOT 19 BLK "M" Northbrae Terrace, Bkly. A J Bar-clay by N L Brodrick to F R Peake Co.....May 14, 1915

May 18, 1915—LOCATION NOT Given, Okd. Andrew C Bidstrup to whom it may concern...May 12, 1915

May 19, 1915—E BROADWAY 122-4 N Orchard N 71-5 E 91-6 S 65-6 W 25-9 W 74-3, Okd. Mary A Hackett Burrow to Schnebly, Hostrawser & Pedgrift.....May 14, 1915

May 19, 1915—½ LOT 2 BLK 18 Map Broadmoor, San Leandro. Eva E Peppin to whom it may concern.. ..May 18, 1915

May 19, 1915—NW ROSE AND JOSE-phine 90x80, Bkly. Gustaf and Sandra Johanson to Gustaf Johan-son

May 20, 1915—SE FIFTH AVE 130 NE E-21st NE 35 SE 150 SW 15 NW 25 SW 20 NW 125, Okd. W S Hamil-to to whom it may concern.....

.....May 15, 1915

May 20, 1915—S 20 LOT 57 and N 15 Lot 58 Blk "C" Map Alton Park, Okd. Edward A Johnson to whom it may concern.....May 15, 1915

May 22, 1915—LOT 24 BLK "F" Map 4th Ave Terrace, Okd. Paul E Woodburn to whom it may concern

.....May 22, 1915

May 24, 1915—LOT 20 BLK 21 Map Melrose Heights, Okd. B A How-kins by A Hawkins to whom it may concern.....May 18, 1915

May 24, 1915—PTN LOTS 12 AND 13 Blk "A" Triangle Park, Bkly. J B McCormick to F R Peake Co..... May 17, 1915
May 24, 1915—E DOHR 115 S Ward, being Lot 4 Blk 1, San Pablo Park Tract, Bkly. Florence Smith Whitaker to L W Anderson. May 20, 1915
May 24, 1915—NE NINTH & SNYDER Ave, Bkly. Walter L Thomas to C H Warren..... May 15, 1915
May 24, 1915—PTN UNIVERSITY California Campus to W California and N Bancroft Way, Bkly. Associated Students of U C to Kidder & McCullough..... April 9, 1915
May 25, 1915—SECOND & HARRISON Berkeley. A R Chandler to Van Sant-Houghton Co..... May 20, 1915
May 26, 1915—S HAAS AVE 80.91 NE certain 2.59 acre tract conveyed by J. W. Haas to Francisco, deed dated August 14, 1885, recorded Book 295 of Deeds Page 95, Alameda County Records; NE 163 SE 409 NW 99.06 NW 312.51, San Leandro. Ida C Klose to F L Burnett.. May 25, 1915
May 26, 1915—S FIFTEENTH 50 E Jefferson E 50xS 75, Okd. Albert C Aiken to whom it may concern May 10, 1915
May 27, 1915—NW PIEDMONT AVE 140 SW John SW 40xNW 125, Okd. Mary A Dann by Annie A Miller to C C Foss..... May 24, 1915

LIENS FILED.

ALAMEDA COUNTY.

May 15, 1915—W THIRTEENTH AV 112½ S E-17th S 37½xW 100, Okd. John P Maxwell (Maxwell Hardware Co) vs R E Moore and Ike H Herold \$13.50
May 15, 1915—LOT 36 BLK 4, Melrose Heights Tract, Okd. A C & V N Smith vs Torrence S Peterson, J A Smilie and H F Tillman..... \$34.44
May 18, 1915—LOT 20 Matthews Tct, Bkly. John P Maxwell (Maxwell Hardware Co), vs Justaff Johanson \$65
May 18, 1915—E 45 LOTS 16 AND 17 Blk "B" Levinston Tract, Bkly. John P Maxwell (Maxwell Hardware Co) vs Justaff Johanson.. \$47.80
May 18, 1915—LOT 38 BLK 4 Hopkins Terrace No. 4, Bkly. Walter E Schott vs Chas R Roberts..... \$480
May 19, 1915—LOTS 12 AND 13 BLK "G" Foothill Tract, Okd. O Headington, \$20; Herbert R Parker, \$30.25 vs Torrence S Petersen, T O'Donnell and Childers & Martin
May 19, 1915—LOT 33 BLK 4, Melrose Heights Tract, Okd. Herbert R Parker, \$41.20; O Headington, \$20 vs Talcott Land Co, Torrence S Petersen and Childers & Martin..
May 19, 1915—PARK AVE NO 1116, being N 16½ Lot "C" and S 16½ Lot "D" Alameda Park Homestead, Ala. J Van Pelt vs J H and Mary O Heister \$52.95
May 20, 1915—LOT 38 BLK 4 Hopkins Terrace No. 4, Bkly. A V Joy vs Chas R Roberts and Walter E Schott \$25
May 24, 1915—E EIGHTH 146-2 S Virginia S 50xE 130, Bkly. Redwood Manufacturers Co vs C D Wagner and F Tanner..... \$52.46
May 24, 1915—E HILLSIDE AV 461.85 N Brighton N 83.93 E 258.06 N 70 E 258.05 SE 153.95 SW 516.95, Okd. Frank L Maino vs Seymour L Fish

and E W Woodard..... \$50
May 24, 1915—N CENTRAL AVE 267 E McPherson E 33 N 14½ E 33 S 148 E 33 (as recorded), Alameda. Downey Glass & Paint Co vs A E Thompson I P Strassburger and Adelheit Strassburger \$28.23
May 24, 1915—S 39.02 LOT 16 Map A. J. Snyder's Sbdvn Telegraph Ave Ppty being No. 6625 Dana St., Okd. F M Dreisbach (Zenith Mill & Lumber Co) vs Louise J Patten, J M Brown and J B Clifford..... \$228.20
May 25, 1915—LOT 1 BLK 20 Map Mathews Tract, Bkly. A Severy vs Gustaf Johanson \$128
May 25, 1915—N EIGHTH 208 E Pine E 30xN 130, Okd. Sunset Lumber Co vs Jennie, Barney and I Abrahams (Abrahams Bros)..... \$45.80
May 28, 1915—BROADWAY NOS. 4080-82, being ptn Lot 4 Blk "H" Map Weston Tract, Okd. Joseph D Bell (Bell's Wall Beds) vs Mary Grace Dwyer \$91
May 28, 1915—E HIGH 448.38 S Congress Ave S 50xE 120, Okd. Melrose Lumber & Supply Co vs Warren A De Sosa and Crescent Investment Co \$237.70

RELEASE OF LIENS

ALAMEDA COUNTY.

May 24, 1915—SW NINETEENTH 368.87 NW Fourth Ave SE 105 SW 125.79 SW 27.79 NW 79.38 NE 147.9, Okd. Geo H Tay Co, \$329.62; Henry C Maddern, \$691.65 to Mary C Renaud et al.....
May 26, 1915—BLK BDED ON NE by Church, SE by 4th, SW by Maple and NW by Third, Livermore. S Macchetto to Mortensen & Laman- no and The Roman Catholic Arch- bishop of S F..... \$30
May 26, 1915—NE THIRTEENTH & Jackson S 130 N 100 E 20 N 20 W 150 S 120, Okd. Crane Co to Per- alta Apartment Co, et al.... \$1368.92
May 27, 1915—N EIGHTH 208 E Pine E 30xN 130; being No. 1772 8th. Okd. Sunset Lumber Co to Jennie Abrahams et al..... \$45.80

SAN JOSE AND THE SANTA CLARA VALLEY

RESIDENCE—2 story and base, frame, \$4,000. Redwood City, San Mateo Co., Cal. Architect, J. W. Plachek, Acheson Bldg., Berkeley. Owner, Standford Elliott. The dwelling has been designed for a seven-room house with bath and sleeping porch. Interior will be finished in pine and elm panels. Some white enamel will be used in the bed rooms. Hardwood floors are specified. Bath room will have tile wainscot. An automatic water heater will be installed. Exterior of the house will be covered with cement plaster on metal lath. Plans are now being prepared.

FACTORY—1 story, frame and cor- rugated iron. Cost not stated. South San Francisco, San Mateo Co., Cal. Architect, none. Owners, Wihl's Manu- facturing Co., 506 Gough street, S. F. The building will be erected on a large lot and will be arranged for a factory for the manufacture of belt goods. A cement floor will be used. Exterior of the building will be covered with cor- rugated iron. Plans are complete and

in the hands of the owner who will do the work by Day Labor.

RESIDENCE—1 story and base, frame. Cost not stated. Easton, San Mateo Co., Cal. Architect, Fay Spang- ler, 402 Monadnock Bldg., S. F. Own- er's name withheld. Plans are com- plete and figures are now being taken on the mill work, lumber, painting, plastering, plumbing, electric work and finish hardware for the above mentioned dwelling.

RESIDENCE—1½ story and base, frame, \$2,500. Palo Alto, Santa Clara Co., Cal. Architect, Maxwell G. Bug- bee, Lick Bldg., S. F. Owner, Mrs. E. E. Lyon. The dwelling will be erected in the Stanford Tract, and has been designed for a six-room house with bath and two sleeping porches. Inter- ior will be finished in pine and red- wood with some white enamel. Hard- wood floors will be used. There will be an automatic water heater. Bath room will have tile wainscot. There will be an open fire place in the living room with brick mantel. Exterior of the dwelling will be covered with shakes. Plans are complete and fig- ures are being taken.

RESIDENCE—2 story and base, frame and plaster, \$35,000. Burlin- game, San Mateo Co., Cal. Architect, Albert Farr, Foxcroft Bldg., S. F. Own- er, Edward Christenson. The dwell- ing has been designed for a large country home and will occupy an at- tractive site. There will be some fourteen rooms, several baths and sleeping porches. Interior will be fin- ished in pine and hardwood with white enamel in the bed rooms. Plans pro- vide for a central heating system, probably hot air with an oil burning furnace. Brick fire places will be used in several rooms. Mantels will be of tile or brick. Bath rooms will have tile floors and wainscot. Vacuum cleaning is specified. The exterior of the dwelling will be faced with ce- ment plaster on metal lath. A red tile roof will be used. Preliminary plans only have been prepared. Further mention will be made of the work.

Contracts Awarded.

MEMORIAL MONUMENTS—Granite and marble, \$3,000. San Jose, Santa Clara Co., Cal. Architect, August G. Headman, New Call Bldg., S. F. Own- ers, Neglee Memorial Association. Con- tractors, Vermont Marble Co., 422 Brannan street, S. F. Contract price, \$3,000. This contract does not include the sculpture work.

BRIDGE—Steel and reinforced con- crete, \$33,783. Salinas, Monterey Co., Cal. Engineers, Leonard & Day, Rialto Bldg., S. F. Owners, City of Watson- ville and Monterey County. Con- tractors, Foster-Vogt Co., S. F. Contract price, \$33,783.

BUILDING CONTRACTS

SANTA CLARA COUNTY.

DWELLING

S-THIRTEENTH, bet. San Carlos and San Antonio, San Jose. One and one-half-story 9-room dwelling. Owner..... Dr. Sanford, 66 Ryland Blk., San Jose. Architect... Andrew P. Hill, Elks' Bldg San Jose. Contractor... G E. Baggott, 150 Terraine, San Jose.

COST, \$3300

DWELLING

S-SEVENTH near Keys, San Jose. Five room dwelling.

Owner.....Frank Peres, King Road & Alum Rock, San Jose.

Architect...None.
Day's work. COST, \$2500

COTTAGE

FOURTEENTH, bet. Washington and Empire, San Jose. Five-room cottage

Owner.....Wm. Russo, 9th and Margaret, San Jose.

Architect...None.
Day's work. COST, \$1800

COTTAGE

NE ACCASIA AND POPLAR, San Jose. Four-room cottage.

Owner.....Mrs. Duebble.
Architect...None.

Contractor..L. I. Kelly, 6 Magellen Ave. San Jose. COST, \$1650

COTTAGE

NO. 1287 VINE, San Jose. Five-room cottage.

Owner.....Leo Sunzere, Premises.
Architect...None.

Day's work. COST, \$750

ALTERATIONS

RASSETT AND SAN PEDRO, San Jose. Alterations.

Owner.....Western Meat Co., Prem.
Architect...None.

Day's work. COST, \$500

ALTERATIONS

NO. 231 N-FIFTEENTH, San Jose. Alterations and repairs.

Owner.....Mrs. P. Doherty, Premises.
Architect...None.

Contractor..C. A. Thomas, 692 N-San Pedro, San Jose. COST, \$500

BUILDING CONTRACTS

SAN MATEO COUNTY.

FRAME BUNGALOW

LOT 19 BLK 125 (Miller Ave.), South San Francisco. All work for one and one-half-story frame bungalow with concrete foundation.

Owner.....George Keissling, South San Francisco, Cal.

Architect...A. B. Cavanaugh (uncertificated.)

Contractor..Harry Harder, South San Francisco, Cal.

Filed May 24, '15. Dated May 19, '15.

Frame up\$643.75

Brown plastered 643.75

When completed 643.75

Usual 35 days..... 643.75

TOTAL COST, \$2575.00

Bond, \$1287.50. Sureties, Richard Harder and Herman Goerdes. Limit, 90 days after May 24. Forfeit, none. Plans and specifications filed.

BRICK BUILDING

E FIRST, between San Salvadore and William, San Jose. All work for one-story brick building.

Owner.....D. P. Ingram and C. A. Porter, San Jose.

Architect...None.

Contractor..R. O. Summers, 17 N-1st, San Jose.

Filed May 18, '15. Dated May 15, '15.

Roof boarding on\$1402

Work completed 982

Usual 35 days..... 796

TOTAL COST, \$3181

Bond, \$1600. Surety, Pacific Coast Casualty Co. Limit, 40 days. Forfeit, none. Plans and specifications filed.

BRICK BAKERY

W FIRST, between San Salvadore and William, San Jose. All work for one story brick bakery.

Owner.....S. Montgomery, 217 S-1st, San Jose.

Architect...Wm. Binder, Rea Bldg., San Jose.

Contractor..R. O. Summers, 17 N-First St., San Jose.

Filed May 18, '15. Dated May 18, '15.

Payments not given.....

TOTAL COST, \$4850

Bond, \$2425. Surety, Pacific Coast Casualty Co. Limit, forfeit, none.

Plans and specifications filed.

FRAME DWELLING

NEAR COR. EMERSON & LINCOLN Ave., Palo Alto. All work for two-story frame dwelling.

Owner.....Mrs. E. M. Graham, S. F.

Architect...S. B. and W. Newsom, Nevada Bank Bldg., S. F.

Contractor..D. W. Ross, 418 Frederick, San Jose.

Filed May 20, '15. Dated May 15, '15.

Frame up\$746

Plastered inside 748

When completed 748

Usual 35 days..... 751

TOTAL COST, \$2995

Bond, none. Limit, 75 days. Forfeit, \$5 per day. Plans and specifications filed.

COMPLETION NOTICES

SAN MATEO COUNTY.

RECORDED

May 24, 1915—PTN LOT 15 Villa Lots of Fair Oaks, Middlefield Road, Fair Oaks. Chas Brandenstein to F W Fox.....May 14, 1915

ACCEPTED

COMPLETION NOTICES

SANTA CLARA COUNTY.

RECORDED

May 17, 1915—NEAR COR 13TH & Mission being Lot "A" Florence Tract, San Jose. Joe Suardino to S Di Cola.....May 17, 1915

May 17, 1915—BOUNDED ON E BY Uheman; S by Ferreira; W by Toyon Ave; N by Penetencia Creek M B and R B Dias to A Teixeira..

.....May 15, 1915

ACCEPTED

MARIN, CONTRA COSTA AND SONOMA COUNTIES

MUD AND HOT SULPHUR SPRINGS BATHS—1, 2 and 3 story, reinforced concrete and frame, \$500,000. Calistoga, Napa Co., Cal. Architect, Frederick H. Meyer, Bankers' Investment Bldg., S. F. Owners, Calistoga Hot Springs Co. Plans are now being prepared for an elaborate resort to be erected at Calistoga Hot Springs. A group of buildings will consist of a large hotel, club house, bath pavilion, pumping station, heating plant and cottages. The pavilion will be elaborately finished in tile and monolite floors. A great deal of special plumbing fixtures are specified, including colored tubs for the use of the sulphur baths. There will be a general heating system of steam heat with oil

burning equipment. Exterior of all buildings will be faced with cement plaster. Only preliminary plans have been prepared and further mention will be made of the work.

BATH PAVILION—1 and 2 story, hollow tile construction, \$20,000. Calistoga, Napa Co., Cal. Architect, Frank S. Holland, 100 Haight street, S. F. Owner's name withheld. The building will be erected in Calistoga and will be of the Dennison hollow tile construction, covering an area of 88 by 32 feet. Besides the general attendants' quarters, lounging room and mechanical department, the building will contain a large number of special rooms for treatments, massage room, and main bath room. Special plumbing fixtures are specified. There will be both a steam heating system and hot water supply, both being equipped with oil burning furnace. The two-story portion of the building has been designed for a tank house and pumping plant. Exterior of the buildings will be faced with terra cotta and struct joint. Plans are complete and figures will be called for shortly.

PLUMBING SHOP—1 story, frame, \$1,000. Richmond, Contra Costa Co., Cal. Architect, James T. Narbett, Berry Bldg., Richmond. Owners, Spiersch Bros., Richmond. The building has been designed for a modern plumbing shop, the front portion of the building being arranged for retail purposes, the rear for a shop. Interior finish will be of pine. There will be a cement floor and patent store front. Exterior will be covered with rustic and cement plaster on metal lath. Plans are now being prepared.

STREET IMPROVEMENT — \$20,000. Sausalito, Marin Co., Cal. Engineer, Town Engineer, Sausalito. Owners, Town of Sausalito. A resolution ordering the balance of street work to be done in Sausalito and calling for bids on the work, was passed at the last meeting of the Board of Trustees. The proposals call for alternative bids, on vitrified and on bituminous brick.

ELECTROLIERS—Cost not stated. Sausalito, Marin Co., Cal. Engineer, Town Engineer, Sausalito. Owners, Town of Sausalito. The Town Engineer has been instructed by the Town Trustees to prepare plans and estimates for conduit and the installation of electroliers in certain streets in Sausalito.

STREET WORK—Cost not stated. Sausalito, Marin Co., Cal. Engineer, Town Engineer, Sausalito. Owners, Town of Sausalito. Bids will be opened on June 7th by the Town Trustees for the grading, rolling, laying concrete base, and asphalt surface, brick surface, constructing curbs, gutters, drains, laying of pipes and culverts, constructing catch basins, and all other work necessary to completely pave a number of unimproved streets. Plans and specifications can be secured from the Town Clerk.

STREET AND SEWER WORK—Cost not stated. Richmond, Contra Costa Co., Cal. Engineer, City Engineer, Richmond. Owners, City of Richmond. Plans and specifications submitted to the City Council by Paving Contractor W. L. Raven for the improvement of a portion of Thirtieth street, the installation of three lateral sewers on a portion of the street, and

for improvement work on Meade street and Seagate avenue in the Harbor Front Tract, were adopted.

RELEASE OF PAVING CONTRACT—Cost not stated. Petaluma, Sonoma Co., Cal. Engineer, City Engineer, Petaluma. Owners, City of Petaluma. Eaton & Smith of San Francisco have secured a release from their contract to pave Washington street with patented pavement, owing to the refusal of Warren Bros. of Los Angeles to permit the firm to comply with the contract. The matter of calling for new bids on this work will be taken up by the Council at their next meeting.

SEWER CONSTRUCTION—Cost not stated. Petaluma, Sonoma Co., Cal. Engineer, City Engineer, Petaluma. Owners, City of Petaluma. The construction of a sewer in I street from Eight street to the city limits, was ordered by the Council at their last meeting.

STREET VIADUCT—Steel, \$9,000. Richmond, Contra Costa Co., Cal. Engineer, City Engineer Chapman, Richmond. Owners, City of Richmond. Plans and specifications for the opening of 7th street, north, underneath the main line tracks of the Atchison, Topeka and Santa Fe Railway, have been accepted by City Engineer Chapman at a recent conference with the officials of that company in Los Angeles. Work will soon be commenced on the construction of an all steel viaduct as soon as the Street Commissioners of Richmond can file their report. Construction will be of steel with a span of 60 feet.

CLUB HOUSE—1 story and base, frame, \$5,000. San Anselmo, Marin Co., Cal. Architect, W. Garden Mitchell, Bankers' Investment Bldg., S. F. Owners, Hearthstone Club. The building has been designed for a country club, and will contain several large rooms, including spacious living room and dining room. Interior will be finished in pine and redwood. Hardwood floors will be used in the principal rooms. There will be a central heating system, probably furnace heat, and open fire places. Mantels will be of stone and brick. A completely equipped kitchen will be installed. The exterior of the building will be faced with cement plaster on metal lath. Plans are now being prepared.

Contracts Awarded.

STREET PAVING—\$4,909.72. Richmond, Contra Costa Co., Cal. Engineer, City Engineer Chapman, Richmond. Owners, City of Richmond. Contractor, E. H. Higgins, Richmond. Contract price, \$4,909.72.

STORE—1 story and base, brick, \$2,840. Richmond, Contra Costa Co., Cal. Architect, James T. Nabrett, Berry Bldg., Richmond. Owner, Fred C. Schram, Richmond. Contract price, \$2,840.

COMPLETION NOTICES

MARIN COUNTY.

RECORDED	ACCEPTED
May 24, 1915—STEVENS TRACT, San Rafael. Jay F Allen to whom it may concern.....	May 22, 1915
May 25 1915—YOLANDO, San Anselmo. Sarah L Ehrenberg and husband to Rudolph Patcha Constr Co	May 17, 1915
May 26, 1915—D ST., San Rafael.	

Wm Epstein to Wm Van Nest.....
.....May 26, 1915

FRESNO, MODESTO STANISLAUS AND CENTRAL CALIFORNIA

RESIDENCE—1 story and base, frame, \$2,500. Fresno, Fresno Co., Cal. Architect, none. Owner, Ada M. Robinson, Fresno. The dwelling will be erected in the Shanklin Addition, and has been designed to contain five rooms and bath. Interior finish will be of pine and redwood. Hardwood floors will be used in the principal rooms. There will be an open fire place in the living room with tile or brick mantel. Bath room will have tile wainscot. An automatic water heater is specified. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor.

CEMENT FOR BRIDGES—Cost not stated. Bakersfield, Kern Co., Cal. Engineer, County Surveyor, Bakersfield. Owners, Kern County. The seven bids received by the County Supervisors for furnishing 90,000 barrels of cement have been rejected. A number of the bids were not in correct form and others were too high. This is the second time bids have been rejected. What course will now be taken has not yet been decided upon.

ARMORY AND STORES—2 story and base, reinforced concrete, \$25,000. Fresno, Fresno Co., Cal. Architect's name not given. Owner, F. P. Black, 1025 K street, Fresno. The building will be erected at the corner of I and Kern streets, and will cover a considerable ground area. Construction will be fireproof, with reinforced concrete walls and floors. There will be a number of modern stores on the first floor. Upper floor will be arranged for an armory. Maple floors will be used. Patent store fronts are specified. There will be steam heat with an oil burning equipment. Exterior of the building will be faced with cement plaster. Plans are now being prepared.

RESIDENCE—1 story and base, frame, \$2,500. Fresno, Fresno Co., Cal. Architect, none. Owner, W. Purdin, 2970 Washington street, Fresno. The dwelling will be erected in the Hazelwood Addition, and has been designed for a six-room house with bath and sleeping porch. Interior finish will be of pine and redwood. Some hardwood floors will be used. There will be open fire places and tile or brick mantels. Tile wainscot will be used in the bath room. An automatic water heater will be installed. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor.

BRIDGE—Reinforced concrete, \$3,000. Bakersfield, Kern Co., Cal. Engineer, County Surveyor, Bakersfield. Owners, Kern County. The Board of Supervisors of Kern County has passed a resolution appropriating \$3,000 for the construction of a reinforced concrete bridge on the state highway over Cudda Canyon. It will be about 50 feet in length. Plans are being prepared.

BRIDGE—Reinforced concrete, \$10,000. Madera, Madera Co., Cal. Engineer, City Engineer, Madera. Owners, City of Madera. The Chamber of Com-

merce has endorsed the proposition to construct a new concrete bridge across the Fresno River at D street. Bonds will probably be voted.

JAIL KITCHEN EQUIPMENT—Cost not stated. Bakersfield, Kern Co., Cal. Architect, O. L. Clark, Brower Bldg., Bakersfield. Owners, Kern County. Plans are now being prepared for the kitchen equipment and laundry machinery for the new jail building. Bids will be called for shortly.

RESIDENCE—1 story and base, frame, \$1,500. Fresno, Fresno Co., Cal. Architect, none. Owner, J. E. Saylor, 2561 Emma street, Fresno. The dwelling will be erected in the Buena Vista Tract, and has been designed for a five-room house with bath and sleeping porch. Interior will be finished in pine and redwood. Some oak floors will be used. There will be an open fire place and tile or brick mantel. Bath room will have tile wainscot. Exterior of the house will be covered with rustic and cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor.

SCHOOL—1 story and base, brick, concrete and frame. Cost not stated. Caruthers, Fresno Co., Cal. Architect, Ernest J. Kump, Rowell Bldg., Fresno. Owners, Caruthers Union High School District. The building will contain an auditorium, laboratories and offices, besides the usual class rooms. Interior will be finished in pine throughout with maple floors in the class rooms. There will be a central heating system with oil burning furnace. Plans provide for modern school plumbing, program clocks and vacuum cleaning. Exterior will be faced with cement plaster. Plans are complete and figures are being taken. Bids will be opened on June 10th. Plans and specifications can be secured from the architect.

SCHOOL—1 story and base, brick, \$25,000. Woodlake, Tulare Co., Cal. Architect, O. L. Clark, Brower Bldg., Bakersfield. Owners, Woodlake School District. The building has been designed for a High School, and will contain six class rooms, auditorium and laboratories. Interior will be finished in pine with maple floors in the class rooms. There will be a central heating system and oil burning furnace. Plans provide for modern school plumbing and program clocks. Exterior of the building will be faced with pressed brick. Plans are being prepared and further mention will be made of the work when bids are called.

STREET PAVING—Cost not stated. Porterville, Tulare Co., Cal. Engineer, City Engineer, Porterville. Owners, City of Porterville. Additional street work has been ordered by the City Council. A resolution of intention prevailed at the last meeting by unanimous vote for the construction of 377 feet of asphalt-concrete covering in Bellevue avenue from the High School campus to the city limits. This construction means that all entrances to the city will be paved.

Contracts Awarded.

HIGHWAY CONSTRUCTION—\$18,901.76. Bakersfield, Kern Co., Cal. Engineer, County Surveyor, Bakersfield. Owners, Kern County. Contractor, William J. Cahill, Bakersfield. Contract price, \$18,901.76. This contract covers the construction of Div. 10,

Sec. 2, of the Bakersfield-Mojave highway.

HOSPITAL PAINTING—\$2,775. Fresno, Fresno Co., Cal. Architect, none. Owners, Fresno County. Contractor, George Churcher, 308 Glenn street, Fresno. Contract price, \$2,775.

BUILDING CONTRACTS

FRESNO COUNTY.

DWELLING

LOTS 31 AND 32 Buena Vista Addition, Fresno. Dwelling.
Owner.....J. E. Saylor, 2561 Emma St., Fresno.
Architect...None.
Day's work. COST, \$1500

SW ¼ OF SEC. 10-16-15, Fresno. Drilling and construction of water well. Owner.....J. Hauptli and Dan G. Longtin.
Architect...None.
Contractor...Geo. E. J. B. and E. J. Harp.
Filed May 26, '15. Dated ——. COST, \$3 per foot.

NOTE:—Under certain conditions consideration is differently specified.

DWELLING AND GARAGE

LOTS 1, 2, Monroe Tct, Fresno. Dwelling and garage.
Owner.....Bertha L. Wilson.
Architect...None.
Contractor...Foster C. Wilson, 2321 Hills St., Fresno.
COST, \$3000

DWELLING

LOTS 14 AND 15 BLK 15, Belmont Addition, Fresno. Dwelling.
Owner.....M. C. Kellogg.
Architect...None.
Contractor...C. V. Smith, 1371 Del Mar, Fresno.
COST, \$2850

DWELLING

LOTS 5 AND 6 BLK 5, Windsor Terrace, Fresno. Dwelling and shed.
Owner.....Miss M. E. Hindle, 2821 Kern St., Fresno.
Architect...None.
Contractor...C. P. Cain, 709 Mildreda St., Fresno.
COST, \$1530

LOTS 8 AND 9, Shanklin Add'n, Fresno Dwelling.
Owner.....Ada M. Robinson.
Architect...None.
Day's work. COST, \$2500

DWELLING

LOT 4 BLK 18, Hazelwood Add'n, Fresno. Dwelling.
Owner.....W. Purdin, 2970 Washington St., Fresno.
Architect...None.
Day's work. COST \$2100

COMPLETION NOTICES

FRESNO COUNTY.

RECORDED

May 21, 1915—S ½ LOTS 4, 5, 6 BLK 1 Griffin Add'n, Fresno. Wm Glass et al to whom it may concern.....May 21, 1915
May 21, 1915—LOTS 37 AND 38, Modren Park, Fresno. W S Halliday to whom it may concern.....May 15, 1915

ACCEPTED

May 26, 1915—LOTS 12 AND 13 BLK 111, Fresno. Ellen V Doyle to whom it may concern...May 25, 1915
May 25, 1915—LOT 27 BLK 21, Alta Vista Tract, Fresno. O D Atkins to whom it may concern...May 22, 1915

LIENS FILED.

FRESNO COUNTY.

RECORDED

May 20, 1915—LOTS 11 TO 14 BLK 64, Fresno. J W Phillips, 28; S W Purdy, \$124 vs T C White.....

ACCEPTED

SACRAMENTO, STOCKTON AND NORTHERN CALIFORNIA

FIRE HOUSE—1½ story and base, frame, \$8,000. Stockton, San Joaquin Co., Cal. Architect, Ralph P. Morrell, 12 I. O. O. F. Bldg., Stockton. Owners, City of Stockton. Plans have been completed and have received the approval of the City Trustees for a new fire building to be erected on the south side of California street. Bids will be called for at once. The building has been arranged to contain one piece of apparatus and living quarters for the men. The design is what is known as the bungalow style. Exterior will be covered with cement plaster on metal lath.

FIRE HOUSE—1½ story and base, frame, \$8,000. Stockton, San Joaquin Co., Cal. Architect, William B. Thomas, Yosemite Bldg., Stockton. Owners, City of Stockton. This building will be erected on Rose street, and will be similar in design to the building above mentioned. Interior finish will be of pine. A cement floor will be used. Special electric work is specified. Exterior will be covered with pressed brick and rustle. Plans are complete and have received the approval of the city officials, and bids will be called for shortly.

BRIDGE—Steel bascule. Cost not stated. Yolo, Yolo Co., Cal. Engineer, State Highway Commission, Forum Bldg., Sacramento. Owners, State of California. Plans for the construction of a bascule draw bridge across the Yolo-by-Pass, to be located over the borrow pit at the eastern side of the by-pass, on recommendation of the Debris Commission and the State Engineering Department of the Reclamation Board, have been approved.

STATE HIGHWAY CONSTRUCTION

—Cost as follows. California. Engineer, State Highway Commission, Forum Bldg., Sacramento. Owners, State of California. Bids opened by the State Highway Commission for work in the following counties were as follows: Tehama, Div. 2, Route 3. Sec. C, H. H. & T. W. Harlan, Williams, low at \$49,990.70; Tehama, Div. 2, Route 3, Sec. B, Hoffman & McLaren, Oakland, \$43,657; Los Angeles, Div. 7, Route 4, Sec. A, Homer R. Kennedy & Frank Williams, L. A., \$21,100.70; Kings, Div. 6, Route 10, Sec. A, George S. Benson, L. A., \$50,211.90; plate girder bascule bridge over Yolo By-Pass, Ross Construction Co., Sacramento, \$21,906. Contracts have not been awarded. A complete list of the bids together with a list of the materials furnished by the state and the engineer's estimate will be found under

the heading of San Francisco in this issue.

TOWN HALL—1 story, frame. Cost not stated. Ferndale, Humboldt Co., Cal. Architect, none. Owners, Town of Ferndale. Plans have been completed and are now in the hands of the City Trustees for a combination town hall and fire house. The building will contain an assembly hall, office of the town clerk, and meeting rooms for the trustees. In the rear there will be accommodations for one or more pieces of fire apparatus. Interior finish will be of pine. Exterior of the building will be covered with cement plaster on metal lath. Plans are now out for figures and bids will be opened on June 7th.

LODGE HALL—4 stories and base. Class A construction, \$250,000. Sacramento, Cal. Architect, R. A. Herold, Forum Bldg., Sacramento. Owners, Sacramento Masonic Temple Association. The building committee of the Masonic Temple Association have notified the architect that extensive revision in the plans and specifications for the proposed Class A building to be erected on the property at 12th and J streets will be necessary. Unless these revisions can be made so as to bring the cost of the proposed structure to within \$250,000, the building will not be erected. The architect is now engaged in revising the plans. Further mention will be made of the work when bids are called for.

LIBRARY—1 story and base. Class C construction, \$20,000. Grass Valley, Nevada Co., Cal. Architect, William Mooser, Nevada Bank Bldg., S. F. Owners, Town of Grass Valley. The building has been designed in the classic style, and will contain two reading rooms, lobby reception rooms, office of the librarian, and stack room. Interior finish will be of pine and hardwood with maple floors. Metal window sash will be used. Plans provide for a central heating system, probably steam heat with an oil burning furnace. Exterior of the building will be faced with pressed brick veneer. A vacuum cleaning system is also specified. Plans are complete and figures will be called for shortly.

RESIDENCE — 1 story and base, frame, \$1,500. Sacramento, Cal. Architect, none. Owner, A. E. Hargrave, 3521 Orange street, Sacramento. The dwelling will be erected on Donner avenue, and has been designed to contain five rooms and bath. Interior will be finished in pine and redwood. There will be an open fire place and tile or brick mantel. Exterior of the dwelling will be covered with rustic and cement plaster. Plans are complete and in the hands of the owner who will do the work by Day Labor. Materials are now being purchased.

Contracts Awarded.

STREET PAVING—\$4,424. Eureka, Humboldt Co., Cal. Engineer, City Engineer, Eureka. Owners, City of Eureka. Contractor, John F. Devoy, Eureka. Contract price, \$4,424.

SEWER CONSTRUCTION UNIT NO 1 —\$42,460. Sacramento, Cal. Engineer, City Engineer, Sacramento. Owners, City of Sacramento. Contractors Matthews Construction Co., Sacramento. Contract price, \$42,460.

State Opens Bids On Highway Work.

Bids Received For Two Pieces of Work in Tehama. One Each in Los Angeles and Kings Counties.

Bids were opened at the last meeting of the State Highway Commission, Forum Bldg., Sacramento, for highway construction in Tehama County, Los Angeles County, and Kings County, and for a plate girder bascule bridge in Yolo County. Following is a complete list of the bids received together with a list of the materials furnished by the State and the Engineer's estimate:

Tehama Co., Div. 2, Route 3, Sec. C.

Eaton & Smith, S. F.....\$54,987.50
G. W. Conners, Eureka..... 57,950.00
W. B. Hunt & Sons, Alameda. 59,323.50
Twohy Bros Co., S. F..... 70,252.60
Richard Rothwell, L. A..... 68,498.40
F. Rolandi, S. F..... 66,169.30
Toohey & Johnson, Phoenix.. 63,772.30
Bates, Borland & Ayer, Okd.. 60,282.50
Hoffman & McLaren, Oakland 51,733.20
H. H. Harlan & T. M. Harlan

Williams 49,990.70
L. F. Gerdetz, S. F..... 56,873.00
Jas. Fitzpatrick, Sacramento. 50,206.00
Commarty-Peterson Co., S. F. 72,065.00

Engineer's Estimate, \$43,559.01

Materials furnished by the State:
Pipe railing, reinforcing steel, corrugated iron pipe and Portland cement. Total, \$5,480.34.

Tehama Co., Div. 2, Route 3, Sec. B.

Commarty-Peterson Co, S. F..\$44,662.00
G. W. Conners, Eureka..... 57,823.00
Twohy Bros. Co., S. F..... 47,197.60
George Vogelsang, Tehama.. 83,760.80
Marin Rock Co, San Anselmo 52,851.10
Manuel Jacinto, Sacramento.. 51,482.00
Bates, Borland & Ayer, Okd.. 49,795.00
Hoffman & McLaren, Oakland 43,657.00
C. H. & A. W. Gorrill, S. F.... 46,390.80
L. F. Gerdetz, S. F..... 46,040.00
Jas. Fitzpatrick, Sacramento. 45,914.50

Engineer's Estimate, \$43,277.95

Materials furnished by the State:
Pipe railing, reinforcing steel, corrugated iron pipe and Portland cement. Total, \$21,282.00.

Los Angeles Co., Div. 7, Route 4, Sec. A.
Leigh Garnsey, L. A.....\$27,956.50
Geo. Wiegant, Lamanda Park 24,280.10
Homer R. Kennedy & Frank Williams, Los Angeles.... 21,100.70
White & Gaskill, Long Beach 26,643.00
John D. Marsh, Bakersfield.. 25,552.20
W. A. Dontanville, Paso

Robles 23,918.10

Engineer's Estimate, \$26,893.55

Materials furnished by the State:
Pipe railing, reinforcing steel, corrugated iron pipe and Portland cement. Total, \$13,750.18.

Kings Co., Div. 6, Route 10, Sec. A.

Bent Bros., Los Angeles....\$69,555.50
Taylor & Berliner, L. A..... 56,808.80
Geo. S. Benson & Sons, L. A... 50,211.90
John D. Marsh, Bakersfield... 51,697.00
W. A. Dontanville, Paso

Robles 54,954.80

Engineer's Estimate, \$51,261.60

Materials furnished by the State:
Pipe railing, reinforcing steel, corrugated iron, Portland cement, sand and coarse aggregate. Total, \$43,087.70.

Yolo Co., Div. 3, Route 6, Sec. B.

Plate Girder Bascule Bridge.
Midland Bridge Co., Kansas

City, Mo., (irregular).....\$26,862.00

Ross Constr. Co., Sacramento. 24,906.00

Seabury B. Peterson, S. F..... 37,984.00

Graff Con. Co., Seattle, Wash.. 35,900.00

Engineer's Estimate, \$21,818.03.

Materials furnished by the State:
Portland cement, sand and coarse aggregate. Total, \$3,166.50.

BUILDING CONTRACTS

SACRAMENTO COUNTY.

RESIDENCE

DONNER AVE, in Lot 602, Elmhurst, Sacramento. One-story four-room residence.

Owner.....A. E. Hargrave, 3521 Orange Ave., Sacramento.

Architect...None.

Day's work. COST, \$1200

PAVING

Q, R, 7TH, 8TH, C, 19TH AND 20TH Sts. Sacramento. Pave crosses at streets.

Owner.....Frank G. Dunn and Warren Olney, Jr., receiver of property of Western Pacific Railway Company.

Architect...None.

Contractor..McGillivray Constr. Co., 1007 7th St., Sacramento.

Filed May 17, '15. Dated May 26, '15.

COST, 27 cents per sq foot for 7th, C, and P streets and 32 cents per sq. foot for 8th street.

ALTERATIONS

NOS. 1323 AND 1325 H ST., Sacramento Alter building.

Owner.....C. W. and H. C. Johnson, Alta Mira Apartments, Sacramento.

Architect...None.

Contractor..John M. E. Morrill, 1009 Yale, Sacramento.

Filed May 21, '15. Dated May 17, '15.

COST, \$9515

FRAME BARN

NO. 1314 X ST., on E ½ Lot 2, X, Y, 13th and 14th Sts., Sacramento. Frame barn, galvanized sides and roof.

Owner.....John Rico, 1316 W St., Sacramento.

Architect...None.

Contractor..C. Valine, 2417 15th St., Sacramento. COST, \$800

FRAME RESIDENCE

NO. 2315 FOURTH ST., on S ¼ Lot 1, W, X, 4th and 5th Sts., Sacramento. Two-story frame residence in rear.

Owner.....Emily Valine, 2417 15th St., Sacramento.

Architect...None.

Contractor..C. Valine, 2417 15th St., Sacramento. COST, \$600

FRAME FLATS

NO. 3020 O ST., on E 60 ft. Lot 3, O, P, 30th and 31st Sts., Sacramento. All work for two-story frame (2) flats of 4 and 6 rooms each.

Owner.....J. L. Brown, 1515 30th St., Sacramento.

Architect...None.

Contractor..W. R. Saunders, 2810 I St., Sacramento.

COST, \$4750

ADDITIONS

NO. 315 SIXTEENTH ST., on S ¼ Lot 1, C, D, 16th and 17th Sts., Sacramento. Addition to milk depot.

Owner.....Albert Meister, 323 16th St., Sacramento.

Architect...None.

Contractor..G. W. McKay, 1018 T St., Sacramento.

COST, \$450

ADDITION

A. GERBER 4 ACRE TRACT, Sacramento. Addition to residence.

Owner.....John Gerber, Upper Stockton Road, Sacramento.

Architect...None.

Contractor..F. C. Pinnegar, 1622 17th St., Sacramento.

COST, \$300

REMODEL STORE FRONTS

NOS. 319-321 L ST., on E 60 ¾ of S 49 ¼ Lot 6 Blk K, L, 3rd and 4th Sts., Sacramento. Remodel store fronts.

Owner.....J. W. Wilson, 1417 I St., Sacramento.

Architect...None.

Contractor..Siller Bros., 1614 43rd St., Sacramento.

COST, \$300

APARTMENTS

NOS. 2301-2302 O ST., on W 48 feet of S ½ Lot 8 Blk N, O, 23rd and 24th Sts., Sacramento. Two-story frame tenement house (4 apartments) four rooms each.

Owner.....Charles E. Brooks, 1605 16th St., Sacramento.

Architect...None.

Contractor..C. J. Ettel, 1515 23rd St., Sacramento. COST, \$7000

FRAME RESIDENCE

LOT 601, Elmhurst. One-story five-room frame residence.

Owner.....Esther Smoll, 612 M St., Sacramento.

Architect...None.

Contractor..A. Smoll, 612 M St., Sacramento. COST, \$2000

FINISH BASEMENT

NO. 2830 K ST., on E ½ of N ½ Lot 4, K, L, 28th and 29th Sts., Sacramento. Finish off basement and make five rooms in residence.

Owner.....Mrs. A. Townsend, Prem.

Architect...None.

Contractor..W. R. Burnett, 1800 U St., Sacramento.

COST \$800,

FINISH BASEMENT

NO. 1710 S ST., on W ½ Lot 2 Blk S, T, 17th and 18th Sts., Sacramento. Finish basement of residence.

Owner.....Pietra Romagnolo.

Architect...None.

Contractor..Chas. Vanina, 2022 M St., Sacramento.

COST, \$760

BUILDING CONTRACTS.

SAN JOAQUIN COUNTY.

FRAME RESIDENCE

FRENCH CAMP, San Joaquin County. All work for seven-room frame residence and barn.

Owner.....Louis Bordenave.

Designer...Franklyn E. Warner, Room 37 San Joaquin Bldg., Stockton.

Contractor..Joseph Flittner, 1700 35th Ave., Oakland.

Filed May 25, '15. Dated May 25, '15.

Foundation completed and frame

work erected\$1075
 Plastering completed 1075
 Work accepted 1075
 Usual 35 days..... 1075
TOTAL COST, \$4300
 Pond, \$2650. Surety, Southwestern
 Surety Insurance Co. Limit, 60 days.
 Forfeit, \$10 per day. Plans and specifications filed.

RELEASE OF LIENS

SACRAMENTO COUNTY.

RECORDED AMOUNT
 May 20, 1915—W ½ LOT 7, N, O, 13th,
 14th Sts., Sacramento. W F Knox

to Mrs M Flabive, August and
 Hollenbeck\$1118.16

COMPLETION NOTICES

SAN JOAQUIN COUNTY.

RECORDED ACCEPTED

May 24, 1915—SW SCHOOL & PINE,
 Lodi. Lodi Investment Co to J L
 Pickering.....May 22, 1915
 May 26, 1915—SW SCHOOL & PINE,
 Lodi. Lodi Investment Co to Otis
 Elevator Co, May 22; Builders' Iron
 WorksMay 22, 1915

E. H. Williams

Chalmer Munday

Munday & Williams

Attorneys-at-Law

Special Attention Given to Building
 Law and Bankruptcy Cases

Telephone Sutter 4622

615 Phelan Building, San Francisco

May 27, 1915—NW SUTTER & MAIN,
 Stockton. Commercial & Savings
 Bank to Baker & Hamilton.....
May 22, 1915
 May 27, 1915—NW SUTTER & MAIN,
 Stockton. Commercial & Savings
 Bank to California Plate & Window
 Glass Co.....May 22, 1915

LOS ANGELES AND SOUTHERN CALIFORNIA

APARTMENT HOUSES—2, 3 story
 and base, brick, \$50,000. Los Angeles,
 Cal. Architect, none. Owner, Sher-
 wood Allen, represented by Mr. Rubin,
 Hollingsworth Bldg., L. A. These build-
 ings will be erected at the corner of
 16th and Hoover streets, each cover-
 ing an area of 44 by 92 feet, and de-
 signed to contain 50 rooms. Interiors
 will be finished in pine and hardwood
 veneer. Hardwood floors will be used
 in the principal rooms. There will be
 steam heat and a hot water supply. All
 suites will have wall beds and private
 baths. Bath rooms will be finished in
 tile. Exteriors will be faced with
 pressed brick. Plans are complete and
 the work will be done by Day Labor
 under the direction of E. P. Hunziker.

APARTMENT HOUSE—3 story and
 base, frame. Cost not stated. Holly-
 wood, Los Angeles Co., Cal. Archi-
 tects, The Architectural Designing Co.,
 Grosse Bldg., L. A. Owner's name
 withheld. The building will cover an
 area of 150 by 100 feet, and has been
 designed to contain a total of 70 rooms
 arranged in suites of two and three
 rooms. Interiors will be finished in
 pine and hardwood with some oak
 floors. There will be steam heat and
 a hot water supply. All suites will
 have wall beds and private bath rooms.
 Bath rooms will be finished in tile. Ex-
 terior of the building will be covered
 with rustic. Plans are now being pre-
 pared.

BRIDGE—Steel and reinforced con-
 crete, \$18,000. Ventura, Ventura Co.,
 Cal. Engineer, County Surveyor Petit,
 Ventura. Owners, Ventura County.
 County Surveyor Petit is preparing
 plans and specifications for a new
 bridge to be erected over the Santa
 Clara River at Sespe. It will be 240
 feet long with concrete abutments and
 steel superstructure.

CHURCH—2 story and base, hollow
 tile, \$50,000. San Bernardino, San Ber-
 nardino Co., Cal. Architects, Elmore
 R. Jeffery & Frank R. Schaefer, Wes-
 ley-Roberts Bldg., L. A. Owners, First
 Congregational Church. The building
 will cover an area of 95 by 150 feet,
 and will be built around a patio, the

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architecture being in the Mission style. There will be a main auditorium seating 400 people, Sunday school rooms seating 250 people, parlors and pastors study. Interior will be finished in pine and ornamental plaster. There will be a central heating system. Art glass windows are specified. Exterior of the building will be faced with cement plaster. A clay tile roof will be used. Plans are now being prepared.

PARISH HALL AND RECTORY—1 and 2 story, brick and frame. Cost not stated. Inglewood, Los Angeles Co., Cal. Architects, Frohman & Martin, Slavin Bldg., L. A. Owners, Church of the Holy Faith. The parish hall will cover an area of 80 by 30 feet and will contain an auditorium, class rooms and kitchen. Interior will be finished in pine and hardwood. There will be a central heating system. The rectory will contain nine rooms and three baths, and will be finished in pine and hardwood with hardwood floors in the principal rooms. There will be furnace heat, open fire places and an automatic water heater. Mantels will be of tile. Tile wainscot and floors will be used in the bath rooms. Exterior will be covered with cement plaster on metal lath. Clay tile roofs will be used on both buildings. Plans are complete and figures are being taken.

LIBRARY—1 story and base, brick, \$30,000. Los Angeles, Cal. Architect, Lester L. Hubbard, Marsh-Strong Bldg., L. A. Owners, City of Los Angeles. The building will be erected at the corner of North Workman and Avenue 26th, and has been designed in the classic style. There will be two reading rooms, office and stack room. Basement will be arranged for an auditorium seating 300 people. Interior will be finished in pine and hardwood with maple floors. There will be steam heat and vacuum cleaning. Metal book stacks will be used. Exterior of the building will be faced with pressed brick trimmed with terra cotta. Plans are now being prepared.

SCHOOL—1 story and base, brick, \$30,000. El Centro, Imperial Co., Cal. Architect, Fred T. Harris, Opera House Bldg., El Centro. Owners, El Centro Grammar School District. The building has been designed in the Mission style and will contain eight standard class rooms, office and an auditorium seating 500 people. Interior will be finished in pine with maple floors in the class rooms. There will be a central heating system, modern school plumbing and electric work. Exterior will be faced with cement plaster. Plans are complete and figures are being taken. Bids will be opened on June 12th. Plans and specifications can be secured from the architect.

SCHOOL—1 story and base, brick or hollow tile, \$25,000. Hyde Park, Los Angeles Co., Cal. Architect, T. F. Powers, Higgins Bldg., L. A. Owners, Hyde Park School District. The building will be erected on Angelus Mesa, and has been designed to contain six class rooms. Interior will be finished in pine. Maple floors will be used in the class rooms. There will be a central heating system and modern school plumbing. An oil burning furnace will be installed. Exterior of the building will be faced with cement plaster.

Plans are now being prepared.

SCHOOL—1 story and base, brick, \$45,000. Los Angeles, Cal. Architects, Alfred W. Reed and Charles E. Garstang, Black Bldg., L. A. Owners, City of Los Angeles. This building, which will be erected on Budlong avenue, has been out for figures, but all bids were rejected. Plans have been revised and new bids are now being taken.

SCHOOL GROUP—1 and 2 story, brick and hollow tile. Cost not stated. Hyde Park, Los Angeles Co., Cal. Architect, George A. Howard, Jr., Grant Bldg., L. A. Owners, Hyde Park School District. There will be a two-story administration building 100 by 100 feet and four small structures. The administration building will contain offices, class rooms and an auditorium seating 500 people. The smaller buildings will each contain two class rooms. Interiors will be finished in pine. There will be a central heating system housed in a separate building. Modern school plumbing, vacuum cleaning and program clocks are specified. Exteriors will be faced with cement plaster trimmed with pressed brick. Plans are complete and figures are being taken. Separate bids will be taken for the general construction of the administration building, heating, electric work, plumbing and painting. Bids will be opened on June 7th at 8 p. m.

SEWER SYSTEM, \$315,000—EL CENTRO, Imperial Co., Cal. Engineers, Olmsted & Gillelen, Hollingsworth Bldg., L. A. Owners, Cities of El Centro and Imperial. The cities of El Centro and Imperial have voted bonds in the sum of \$315,000 for the construction of municipal sewer systems. El Centro voted \$250,000 and Imperial voted \$65,000. The cities will join in the construction of an outfall sewer to New River.

Contracts Awarded.

HOSPITAL WARDS—2, 2 story and base, brick, \$44,000. Los Angeles, Cal. Architect, George Low, Supervising Architect, L. A. Owners, Los Angeles County. Contractors, Davidson Construction Co., 16th and Tennessee streets, L. A. Contract price, \$44,000.

SCHOOL—2 story and base, brick, \$21,640. Los Angeles, Cal. Architects, Montgomery & Montgomery, Trust and Savings Bldg., L. A. Owners, City of Los Angeles. Contractor, B. D. Kronnick, 3901 South Hill street, L. A. Contract price, \$21,640.

SCHOOL GROUP—2 and 3 story and base, brick, \$134,616. Los Angeles, Cal. Architects, Elmore R. Jeffery & Frank R. Schaefer, Citizens' National Bank Bldg., L. A. Owners, City of Los Angeles. Contractors, Los Angeles Planning Mill Co., 1812 Industrial street, L. A., general construction, \$134,616.

SCHOOL—1 story and base, hollow tile, \$46,000. Huntington Beach, Los Angeles Co., Cal. Architects, John C. Smith, H. W. Hellman Bldg., L. A. Owners, Huntington Beach School District. Contractor, Harvey Garber, Orange, general construction, \$40,694; J. M. Mullins Electric Co., Baker-Detwiller Bldg., L. A., electric work; Higgins & Ormsby, Huntington Beach, painting, \$1,450; Foss & Jones, Pasadena, heating and ventilating, \$4,157, and Southern California Electric Co., program clocks, \$598.

PORTLAND AND OREGON

STORES AND LODGE ROOMS—4 story and base, reinforced concrete, \$100,000. Portland, Ore. Architects, Camp & DuPuy, 426 East Alder street, Portland. Owners, Odd Fellows Hall Association, East Side Business Men's Club and Citizens' Bank. These three organizations have united in raising the necessary funds for the construction of the proposed building. The building will be erected on Grand avenue and East Alder street, covering an area of 90 by 100 feet. The main floor will be occupied by several stores and the bank, while upper floors will be arranged for offices and lodge rooms. The interior of the bank will be finished in hardwood, marble and ornamental plaster. Upper floors will be finished in pine and hardwood. There will be steam heat, elevator service and vacuum cleaning and hot and cold water supply. Patent store fronts and metal window sash and frames are specified. Exterior of the building will be faced with cement plaster. Plans are now being prepared.

HOSPITAL—2 story and base, hollow tile construction, \$20,000. Portland, Ore. Architects, Tourtellotte & Hummel, Rothchild Bldg., Portland. Owners, Emanuel Lutheran Hospital. This building will be erected on the property at the corner of Stanton and Commercial streets, covering an area of 42 by 100 feet. Interior will be arranged for a number of private rooms, two wards, office and operating room. Interior finish will be of pine, hardwood and white enamel. Hardwood and tile floors will be used. Each private room will have a bath. There will be steam heat, oil burning equipment, hot and cold water supply and vacuum cleaning. Exterior of the building will be faced with stucco and brick veneer. Plans are now being prepared.

RESIDENCE—3 story and base, frame. Cost not stated. Portland, Ore. Architects, Doyle & Patterson, Worcester Bldg., Portland. Owner, A. Cerdorfer. The building will be erected at the southwest corner of Vista avenue and Carter boulevard, and has been designed to contain fourteen rooms, several baths and sleeping porch. Interior will be finished in pine, hardwood and white enamel. Hardwood floors will be used in the principal rooms. There will be a central heating system, probably hot air, fire places and vacuum cleaning. Mantels will be of tile or brick. A hot water circulating system is also specified. Bath rooms will be finished in tile. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are complete and figures are now being taken.

SCHOOL—1 story and base, brick and concrete, \$20,000. Sheridan, Ore. Architect, Ernest Kroner, Worcester Bldg., Portland. Owners, City of Sheridan. The building will cover an area of 52 by 110 feet, and has been designed to contain eight standard class rooms, auditorium, library, teachers' room and principal's office. Interior finish will be of pine throughout. Maple floors will be used in the class rooms. There will be a central heating system, probably furnace heat, modern school plumbing, program

clocks and vacuum cleaning. Exterior of the building will be faced with a light colored pressed brick. Plans are now being prepared. Further mention will be made of the work when figures are called for.

Contracts Awarded.

HOSPITAL—3 story and base, reinforced concrete, \$83,125. Pendelton, Ore. Architect, W. C. Knighton, Salem, Ore. Owners, Eastern Oregon State Hospital. Contractors, Olson & Johnson, Missoula, Mont. Contract price, \$83,125.

SEATTLE AND WASHINGTON

PASSENGER STATION—1, 2 and 3 story and base, reinforced concrete, \$400,000. Tacoma, Wash. Engineer, Engineering Department Chicago, Milwaukee & St. Paul R. R. Co., Chicago. Owners, Chicago, Milwaukee & St. Paul. The building will be erected on property at the corner of 25th and East A streets, and will cover a large ground area. Construction will be fireproof throughout. Details of the plans have not been given out. Further mention will be made of the work when bids are called for.

Contracts Awarded.

POST OFFICE—2 story and base, stone and brick, \$111,319. Everett, Wash. Architect, Supervising Architect Oscar Wenderoth, Washington, D. C. Owners, United States Government. Contractors, Hendrickson & Co., Alaska Bldg., Seattle. Contract price, \$111,319.

SCHOOL DORMITORY—2 story and base, brick and stone, \$21,172. Ellensburg, Wash. Architect, W. W. De Veaux, North Yakima. Owners, State of Washington. Contractors, Fulton & Carlson, Ellensburg. Contract price, \$21,172.

HAWAII IN ITS RELATION TO AMERICAN COMMERCE.

Our insular Territory of Hawaii, with an area of only 6,449 square miles and an estimated population in 1914 of 207,743, has increased its trade with the United States and foreign countries from \$40,000,000 in 1904 to approximately \$76,600,000 in 1914, making its per capita commerce \$369.

The trade of Hawaii has rapidly increased in the period since the annexation of that Territory to the United States in 1898. Shipments thereto from this country, according to official figures published by the Bureau of Foreign and Domestic Commerce, have grown from \$6,800,000 in 1897, the year preceding annexation, to \$21,800,000 in 1914, and imports from foreign countries from \$900,000 to \$6,000,000. The shipments from Hawaii to the United States during the same period grew from \$16,000,000 to \$48,300,000, while those of foreign countries are negligible, amounting to less than \$60,000 in 1897 and only \$459,000 in 1914.

Sugar, the leading Hawaiian staple, has steadily increased in value of output and the product for the last 10 years amounted to 10 billion pounds, with a value of 364 million dollars. Other important articles of production, according to the 1915 edition of the Hawaiian Annual, are pineapples, coffee, and rice. So rapidly has the canned-pineapple industry grown that the leading share of our domestic con-

sumption of pineapples is supplied by those from Hawaii, having supplanted those from Singapore and other countries. Stated in order of value, Hawaii's shipments to the United States in the last calendar year include sugar to the value of \$39,500,000; canned pineapples, \$6,000,000; coffee, \$500,000; hides and skins, \$189,000; molasses and sirup, \$158,000; rice, \$133,000; bananas, \$126,000; and fresh pineapples, \$106,000.

Shipments to Hawaii from the United States comprise a large variety of articles, chiefly manufactures and foodstuffs. Representative items in last year's trade include iron and steel, \$2,720,000; breadstuffs, \$2,320,000; mineral oils, \$1,969,000; cotton manufactures, \$1,381,000; manufactures of wood, \$1,253,000; automobiles, cars, and other carriages, \$1,186,000; and meat and dairy products, \$1,107,000. Other items, ranging from \$700,000 downward, include tobacco manufactures, spirits, wines and malt liquors, explosives, fertilizers, paper and manufactures thereof, electrical machinery and appliances, vegetables, automobile tires, fruits and nuts, chemicals, boots and shoes, fish, hay, vegetable oils, paints and varnishes, cement, and butter.

The following table shows the value of Hawaii's commerce with the United States and the principal foreign countries during 1914:

Countries	Imports from	Exports to
United States...	\$21,800,000	\$48,300,000
Japan	2,506,000	21,000
India	877,000	.....
Australia and Tasmania	751,000	3,000
Germany	485,000	33,000
Chile	421,000	.....
United Kingdom...	310,000	111,000
Hongkong	352,000	23,000
Philippine Islands	127,000	178,000
New Zealand....	66,000	2,000
Canada	45,000	41,000

UNITED STATES CIVIL-SERVICE EXAMINATION.

ELECTRICAL ENGINEER AND DRAFTSMAN (MALE.)

June 23-24, 1915.

The United States Civil Service Commission announces an open competitive examination for electrical engineer and draftsman, for men only, on June 23 and 24, 1915, at the places mentioned in the list printed hereon. From the register of eligibles resulting from this examination certification will be made to fill vacancies as they may occur in this position at \$1,200 a year, in the office of the Supervising Architect, Treasury Department, Washington, D. C., and in positions requiring similar qualifications, unless it is found to be in the interest of the service to fill any vacancy by reinstatement, transfer, or promotion.

Competitors will be examined in the following subjects, which will have the relative weights indicated:

- | Subjects | Weights |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|
| 1. Theoretical and practical questions in electrical science (covering the subject with special reference to lighting and elevator work on public buildings).... | 25 |
| 2. Drawing and design (involving ability to design and draw plans, etc., for all apparatus and machinery connected with electrical work in public buildings)..... | 40 |

3. Training and experience..... 35

Total 100

Applicants must have the equivalent of a high-school education and not less than three years' special experience as a draftsman principally in connection with electrical work and illuminating engineering, or be technical graduates with not less than six months' experience as electrical draftsman or practical experience in the installation of electrical wiring or apparatus. A rating of at least 70 per cent in this subject is a prerequisite for consideration for this position.

Persons who meet the requirements and desire this examination should at once apply for Form 1312, stating the title of the examination for which the form is desired, to the United States Civil Service Commission, Washington, D. C., or to the secretary of the United States Civil Service Board at San Francisco, San Jose, Sacramento, etc.

VARIOUS MEASURES OF STONE.

Owing to the variety of uses to which stone is put, there is no regular unit of measurement employed by the quarrymen, the stone being sold by the cubic yard, cubic foot, ton, cord, perch, rod, square foot, square yard, square, etc. Building and monumental stone, especially the dressed product, is usually sold by the cubic foot or the cubic yard, although this unit varies with the class of stone and with the locality; a large quantity of rough stone is sold by the perch, cord, or ton. Rubble and riprap, including stone for such heavy masonry as breakwater and jetty work, are generally sold by the cord or ton. Fluxing stone and stone for chemical use—as for alkali works, sugar factories, carbonic-acid plants, and paper mills—are sold by the long ton. Flagstone and curbstone are sold by the square yard or the square foot, the thickness being variable and dependent on the orders received. Granite paving blocks are sold invariably by number, but the blocks are not of uniform size, the value depending on the size of the block and the labor necessary to cut into the shape desired. Other paving material is sold by various units, such as ton or cubic yard. Crushed stone is usually sold by the cubic yard or ton, the short ton being more generally used. The weight of a cubic yard of crushed stone varies from 2,300 to 3,000 pounds, the average weight being about 2,500 pounds. In certain localities crushed stone is sold by the "square" or 100 square feet by 1 foot, or 100 cubic feet. Crushed stone is also sold by the bushel, 21½ bushels representing a cubic yard of about 2,700 pounds.

PERSONNEL OF CHINESE MERCANTILE COMMISSION.

The California Development Board announces that "20 of the most distinguished business men of Central China, mainly from Shanghai, arrived in San Francisco on May 3, and were entertained for a number of days by the Chamber of Commerce and by the California Development Board. They will visit most of the large cities of America, but especially those of the Pacific coast, with a view of strengthening the trade relations between this country and China."

A partial list of those composing the commission (whose itinerary was published in the Daily Pacific Builder of April 28th and in the Building and Engineering News of May 12th) are:

Cheng-Hsun Chang, merchant, having branch stores in Straits Settlements, Sumatra and Java; proprietor of large winery, Chefoo; member National Council, Peking; representative Chamber of Commerce, Canton; address—Chang Yu Pioneer Wine Co., Nanking Road, Shanghai. Sheng Chen, manufacturer of lacquer and cloisonne; representative Chamber of Commerce, Peking; address—Te Chang Cloisonne Co., East City Peking. Li-Chi Chu, secretary Chinese General Chamber of Commerce and Shanghai-Nanking Railway; address—Chinese General Chamber of Commerce, Shanghai. Sing-Ming Kung, machinery manufacturer and director Hui Chang Machine Manufacturing Co., Shanghai; address—1 Tong Shan Road, Shanghai. James H. Lee, importer and exporter of electrical machinery and appliances; address—263 Szechuen Road, Shanghai.

Huan-Yi Liang, mine owner and president of Government lead mines; also smelting works; address—Wah Chong Mining & Smelting Co., Changsha. Chi-Cheh Nieh, representative Chinese General Chamber of Commerce, Shanghai; address—22 Wayside Road, Shanghai. Chao-Hsin Pian, representative Chamber of Commerce, Tientsin; address—Chamber of Commerce, Tientsin. Kuan-Lan Sun, agriculturist; manager Tung Hai Agricultural Co.; address—Agricultural College, Nantungchow. Kwong Wong, shipbuilder; president and manager Yangtze Engineering Works, Hankow; address—Yangtze Engineering Works, Hankow. Chai-Chang Woo, senior secretary, Minister of Agriculture and Commerce, Peking. Z. T. K. Woo, superintendent Hanyang Iron & Steel Works; address—Hanyang Iron & Steel Works, Hanyang. B. Atwood Robinson, honorary advisor, Ministry of Agriculture and Commerce, Peking (American). Ying-Ming Chang, personal secretary to Mr. Cheng-Hsun Chang, chairman of the commission. Ming-Tuan Siao, personal secretary to Mr. Chi-Cheh Nieh, vice-chairman of the commission. An-Tung Kung, personal secretary to Mr. Sing-Ming Kung, member of the commission. The commission will return to San Francisco July 8th.

CITY BIDS TO BE OPENED.

Board of Public Works Taking Figures For Various Improvements to be Made Throughout the City.

Bids for a considerable amount of public improvements are now being taken by the Board of Public Works. During the next three weeks contracts will be let for ten large improvements, amounting to several hundred thousand dollars.

At today's session the Board will open bids for the improvement of Laidley street between Roanoke and Mateo.

On June 2nd, bids will be opened for the general construction of the Nurses' Home at the Isolation Hospital; for the structural steel, cast iron and fire escapes of the Juvenile Court and Detention Home; for the construction of sewers and appurtenances in Fifth

street, between Howard and Brannan streets; for the excavation and concrete foundation of the Juvenile Court and Detention Home; for the improvement of the easterly one-half of Second avenue northerly from Parnassus avenue, a distance of 177 feet 9 inches; for furnishing and installing a refrigerating plant for ice making and refrigerating at the Isolation Hospital; for the improvement of the westerly one-half of Twenty-ninth avenue, between Geary and Clement, and for the general construction of the Juvenile Court and Detention Home.

On June 9th, the Board will consider bids for painting the new City Hall Building, and on June 16th for the vault work in the same building.

RAPID GROWTH OF HAWAIIAN RAILWAY.

[A. P. Taylor, correspondent, Honolulu, April 28.]

The railroad system on the island of Oahu provides a romantic story of a financial undertaking that at first almost ruined its backers, but is now one of the best-paying investments in the Hawaiian Archipelago. Twenty years ago the system boasted 23½ miles of track; today the company maintains 127 miles of road (a portion of which is plantation trackage); owns 22 locomotives, 44 passenger cars, and 520 freight cars; has 36,000 feet of wharfage, and can store 20,000 tons of sugar.

Taxes on property from Ewa to Kahuku plantation, which are tapped by this railway, amounted at the time the road started to \$28,853; in 1914 the taxes on the same property totaled \$310,000. This is one example how the land along the line has increased in value in the last 20 years. The railroad paid \$87,324 in taxes in 1914, which means that every two years the company pays back to the Government the amount of the subsidy granted to the railroad, which was \$196,980. The gross earnings of the road 20 years ago were \$129,000 and now they are \$1,300,000; the freight earnings were \$43,000 and today they are \$813,000; the passenger earnings were \$25,000 and now they are \$300,000.

Passenger Traffic. Commercial Importance of Road.

Twenty years ago 79,000 passengers were carried yearly, while in 1914 about 1,140,000 persons patronized the cars. There were 907,000 passengers carried 1 mile 20 years ago; in 1914 they numbered 15,435,000. Passenger rates show less than 2 cents a mile; this is lower than the average rate on the mainland.

This railroad, which starts at Honolulu, taps five of the largest sugar plantations in the Hawaiian Islands, all the big pineapple plantations, a sisal plantation, several stock farms, and several rice and banana plantations; skirts the shores of Pearl Harbor, where the United States Government is building a \$2,000,000 naval station and dry dock; and indirectly taps one large American Army post and one of the strongest fortifications under the American flag—Fort Kamehameha, which guards the entrance to Pearl Harbor. In addition to its commercial importance the road opens up some of the finest scenic features on the island of Oahu.

AMERICAN MANUFACTURE OF CREOSOTE INCREASES.

Shortage of Imported Wood Preservative Stimulates Domestic Production. Tie Plants Largest Consumers.

WASHINGTON, May 25.—Owing to a falling off since August 1 of nearly 30 per cent in shipments of creosote from England and Germany, whence comes all but a small part of the imported oil used by wood preserving plants in this country, American manufacturers have taken steps which, says a report compiled by the forest service, it is estimated will increase production of the domestic article by about 25 per cent. The imported oil ordinarily forms about 65 per cent of the total used in the United States, where creosote is the most important wood preservative.

The statistics gathered show that wood preserving is one of the most rapidly advancing industries in the country. In 1895 there were fifteen plants in the United States; in 1914 there were 122 plants of all kinds, 100 being of the pressure-cylinder type. Ninety-four of these plants last year used more than 79 million gallons of creosote oil, more than 27 million pounds of dry zinc chloride, and nearly 2½ million gallons of other preservatives, such as coal tar and crude oil, treating a total of nearly 160 million cubic feet of timber, an increase of about 7 million cubic feet over 1913, and 35 million cubic feet over 1912.

The most important consumers are the large plants in which railroad ties are treated. The preservatives materially lengthen the ties' period of service, lessen the labor cost involved by renewal, and decrease the drain upon the forests due to tie-cutting. To some extent the treatment of fence posts and other forms of farm timber is being taken up, and inexpensive apparatus and method having been devised by the department of agriculture; but as yet the use of wood preservatives by farmers is on too small a scale to have any importance in the total, while the practice of treating telephone poles is in its incipency in this country.

"With the rapid advance of this industry as a whole," says the report, "the choice of preservatives has been fairly well established, but the kinds and classes of materials to be treated need development along certain lines. In Germany and other European countries practically all cross-ties laid by the railroads are treated with chemicals or preserving oils. In this country but 30 per cent of the ties purchased by the railroads are subjected to such treatment. The number of poles treated in this country is a very small per cent of total in use."

AMERICAN BUSINESS MEN'S ASSOCIATION IN CHINA.

[Consul General Thomas Sammons, Shanghai, Apr. 6.]

The Shanghai consulate general is actively assisting in the formation of an American Business Men's Association for Shanghai, with branches throughout the Far East. This organization will be composed of active American business men and will

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affiliate with the Chamber of Commerce of the United States of America and with the American Association of China. Mr. Julian H. Arnold, commercial attache for China, has assured this office of his hearty approval and co-operation.

COLUMBIAN MARKET FOR IRON AND STEEL GOODS.

Consul Ross Hazeltine, Cartagena, April 15.]

Iron and steel manufacturers constitute an important part of the import trade of this consular district. There are no imports of pig iron or iron ore and none is produced locally, inasmuch as there are no metal industries. Of the imports of metal manufactures of the United States enjoys the major portion, largely on account of the organization of the American metal industries and the accessibility of this field. Owing to local conditions, however, there is little probability of an increase in the import trade.

Structural materials of iron and steel, with the single exception of iron

roofing, are not in general use. There are few metal ceilings in Cartagena. Structural steel, including bridges, has a very limited sale. The buildings are uniformly constructed of brick (manufactured locally), covered with plaster native timber, tiled floors (manufactured locally), and red tile roofs (manufactured locally or galvanized-iron roofs (imported chiefly from the United States.) Practically all the buildings have two floors, or two floors with an entre-suelo, or mezzanine floor. Metal culverts are rarely used. There is no sewerage system.

Imports of Iron and Steel Goods. Sug-

The following imports at Cartagena in 1914 of the principal kinds of iron and steel goods were: Iron roofing, iron bars and plates, steel rails, iron pipes, galvanized ware, nails, and tanks. The value of these imports amounted to \$295,674.

The United States supplies these goods to the value of \$193,851, or 65 per cent of the total. The only problem that confronts American manufacturers is the retention of this proportion when commercial conditions again become normal.

The following points should always be borne in mind: Quotations should be made, preferably c. i. f., in American dollars. All correspondence should be in Spanish. Tare on shipments should be reduced to a minimum, owing to the fact that import duties are levied per gross kilo (2,204 pounds), and packages should be marked with net and gross weights in kilos. From New York there are direct steamships; from Gulf ports goods are shipped via Colon; from Pacific ports goods should be routed via the Panama Canal, with transshipment at Colon.

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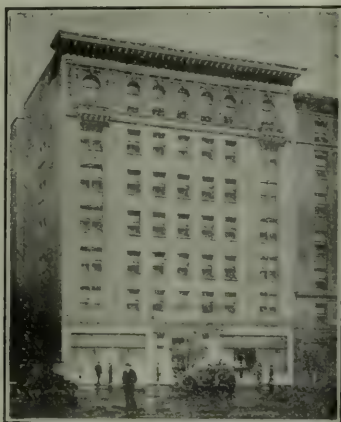
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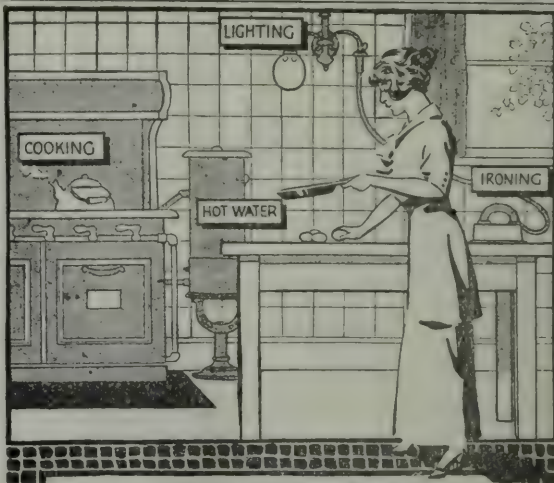
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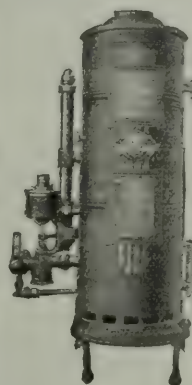
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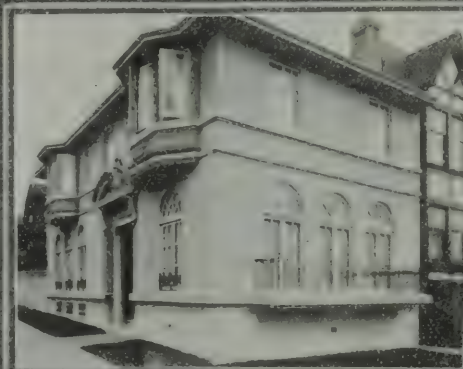
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San Francisco, June 9, 1915

Fifteenth Year No 23



Devoted to the Architectural, Engineering, Building and Industrial Activities of the Pacific Coast.

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Entered as second-class matter at San Francisco Post Office under act of Congress of March 3, 1879.

ISSUED EVERY WEDNESDAY

L. A. LARSEN,
Publisher and Proprietor.
SAN FRANCISCO OFFICE
560 Mission Street.

Telephone—Douglas, 2372.
OAKLAND OFFICE

1011 Franklin St., Builders' Exchange.
Telephone Oakland, 790

Advertising Rates on application. If enquirers will send copy of matter and state space required, close figures will be given.

Subscription Rates—One Year, \$3.00;
Two Years, \$5.00; Five Years, \$10.00,
payable strictly in advance. Single
copies, 15c.

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Editorial Comment.

The Mexican situation seems to be getting no better. No person seems to be any nearer to restoring order and government there than two years ago. So that in this state of anarchy there is the question again put up to this country to step in and restore some sort of order to keep the country from being depopulated by famine and attendant disease. There seems to be no other way out and future delay will probably only make matters worse, as no one can work or produce anything there without running the chance of being robbed of the products of his labor. At least it is incumbent upon this country to prevent the exportation of arms and ammunition to that country.

The Chronicle prints a statement from Colonel Goethals that there is no fleet in the world today that can force strong and properly constructed coast defenses. This statement coming from an army engineer who has constructed the Panama canal is entitled to its full weight. But that must consider that the coast defense has guns of equal caliber and range to those carried on the ships.

The Scientific American some time ago pointed out the fact that our defense guns were inferior in range to the guns carried on the latest battle-ships. And that it would be possible for an enemy's vessels carrying such guns to steam up and down out of range and drop shells into our coast cities. This is largely due to the fact of the character of guns adopted by the Ordnance Department where disappearance guns were substituted for those of solid barbette and the range limit cut down.

Of course heavy guns are not the only means of defense. Submarines are a formidable means of defending coast cities and mine fields of course protect the inner harbors. But while we have a splendid isolation in the matter of being attacked by warlike nations, it is up to us to see that we are able to defend ourselves if necessary. The prospect of making a losing fight has more virtue in keeping a military nation at peace than any consideration of right or wrong.

CANNONADING AND THE WEATHER

The wet winter in Europe has brought forth the inevitable suggestion from many quarters that the cannonading incidental to the war has something to do with it. The excessive rainfall, as compared with the normal, appears,

however, to have been greater in the British Isles than on the Continent; in other words, not only at a considerable distance from the main theatre of war, but also to windward of it. British rainfall during November to February was about 50 per cent above the normal. As to the continent, Camille Flammarion points out that October, 1914, was a dry and sunny month, in spite of the tremendous battles then in progress; that the rainy periods during the winter coincided—exactly as in the piping times of peace—with the advent of cyclonic disturbances from the Atlantic Ocean; and that the recent rains are by no means without precedent in normal times. The veteran astronomer cautiously adds, however, that we must not be hasty in drawing conclusions either **pro** or **con**.—Scientific American

Building construction for the past month in San Francisco totaled up a little over a million dollars, to be exact, \$1,212,413. This was made up of the following items: Brick and concrete, \$401,365; frame, \$514,905; alterations and additions, \$108,576. A total of \$1,024,846 for private construction. To this is to be added \$17,282 for Exposition work; \$103,665 for City buildings; \$2,870 for street work; \$14,550 for Government work within the city and \$49,200 for construction by the State Board of Harbor Commissioners.

So far the record for the year is as follows:

January	\$1,284,898
February	1,637,148
March	2,043,534
April	1,993,396
May	1,212,413

Compared with other years the record for May during the past decade is as follows:

May, 1906	\$ 817,084
May, 1907	6,556,007
May, 1908	3,306,676
May, 1909	3,029,609
May, 1910	2,789,204
May, 1911	2,326,562
May, 1912	3,153,910
May, 1913	2,816,935
May, 1914	2,564,959
May, 1915	1,212,413

The decrease in the record has been caused mainly by the decrease in permanent construction. Frame buildings for private owners are about normal considering conditions. The world war has completely upset business and the uncertainty of trade and the instability of things generally has caused a lull in construction as in everything else. At that San Francisco is doing as well as any other place and in the general result the builders here are faring as well as anywhere else.

THE DALLES-CEILO CANAL.

With the completion of The Dalles-Celilo Canal, which removes the last barrier to the free navigation of the Columbia River and its tributaries from the Pacific Ocean 479 miles inland to Lewiston, Idaho, the people of the Columbia basin have fittingly commemorated the importance of the event in a series of celebrations which were participated in by Government and State officials, representatives of commercial, agricultural and civic organizations, and the citizens of all the communities along the great waterway.

The watershed of the Columbia River and its tributaries embraces an area of approximately 250,000 square miles in the United States and an additional 50,000 in British Columbia, making a territory larger than the German Empire. The soil, resources and climatic conditions of most of this region are such that when fully developed it will be capable of supporting one of the most heavily populated areas on the globe. The opening of the lower Columbia and its tributaries to craft of the sternwheel type will furnish the needed element of a low transportation cost and greatly stimulate the movement to bring this vast region to its highest point of productivity. Transshipment at Portland or Astoria of wheat and wool cargoes designed for ocean transportation will of course make a big increase in the exports of these shipping centers.

The two most important tributaries of the Columbia in Oregon are the Des Chutes and Willamette Rivers, the former is paralleled by rail lines penetrating into the central Oregon Country, where lies much government land which is still open to entry. The great timber belt of the Des Chutes begins at Bend, Ore., and extends nearly to the California line. The Willamette drains the valley of that name—a district about the same size as Belgium but having less than one-tenth the population of that country. It is rich in undeveloped opportunities.

The object of the Dalles-Celilo Canal is to make possible all-water transportation from the upper Columbia basin to the ocean. The canal, which is on the Oregon side of the Columbia, parallels the river for eight and one-half miles, taking the place of the old Portage railway and offering a passageway around natural barriers in the river between the towns of Celilo and The Dalles. It makes unnecessary transshipment by rail around the obstacles in the way of navigation.

With the completion of the canal the Columbia River and its tributaries will have approximately 2,136 miles of water navigation for river craft, most of which lies in the United States.

From the head of Priest Rapids, the present head of navigation on the Columbia, to Arrowhead Landing, a distance of 488 miles, there is 255 miles of navigable river, 113 navigable at favorable stages and only 11 miles

considered unnavigable. The Columbia is navigable for deep-draft, ocean-going vessels as far as Vancouver, Wash., 106 miles from the sea, and for lighter draft ocean vessels 40 miles further. Above Bonneville, Ore., navigation is limited to river steamers of eight-foot draft and above. The Dalles to Priest Rapids on the Columbia and Lewiston on the Snake only light draft steamers can be used.

The water in the new canal will have a depth of eight feet at low water and as much as 14½ feet before the locks at Celilo and Ten Mile rapids are necessary. The locks are located in solid rock and lined with concrete.

The gates are of steel. The principal of the five locks is at Big Eddy, where three gates form tandem locks, which give a lift of 70 feet in the 90-foot rise that the canal overcomes. Other locks are at Celilo Falls, Ten-Mile rapids and Five-Mile rapids. The locks are 45 feet in width and 300 feet in length. Eight passing basins have been constructed to allow boats going in opposite directions to pass one another and nine steel swing bridges cross the waterway. The canal had to be drilled out of solid rock for half of its length, and is lined with concrete where it cuts through sand and gravel.

Actual construction work on the canal began in October, 1905, under contract. Appropriations were made by Congress and contracts let for different sections of the work until 1910, when \$600,000 was set aside with a view to its completion under the supervision of government engineers within six years.

The construction of the canal has involved the removal of about 1,300,000 yards of solid rock and 1,500,000 cubic yards of sand and gravel; and the use of 120,000 yards of concrete masonry, 60,000 cubic yards of reinforced concrete linings and 3,000,000 pounds of metal work.

The estimated cost of the canal is \$4,845,000, the method of handling the work under government engineers having proved more economical than the original plan of letting out the excavation and construction work under contract. Major Jay J. Morrow has been the supervising engineer in charge, with Captain H. H. Robert on the ground at the canal from 1910 to May, 1913, and Captain T. H. Dillon after the latter date. That the opening of the upper Columbia and its tributaries to navigation, taken in conjunction with the impetus given to water transportation by the Panama Canal, must inevitably result in the rapid building up of the great inland empire is the confident expectation of all who are familiar with the undeveloped resources of the region and the importance of cheap transportation as a factor in the working out of the problem of development.

It is estimated that with the completion of the canal, wheat can be transported from the Walla Walla dis-

trict to tidewater for \$1.25 per ton, the present rate being \$2.75 per ton. With the construction of highways from the wheat country to the river, and the building of wharves at convenient points, the river will bring in a new era of transportation in the Northwest.

The bulk of the traffic which is produced throughout the Columbia basin has always been, and will probably continue to be, lumber, grain and grain products, nearly all of which finds a market on the Pacific or Atlantic seaboard. Hence the added importance of the development of water transportation.

Statistics show that for the calendar year of 1914 the port of Portland received from the inland empire 21,281,000 bushels of wheat. Receipts of flour during the year were 5,158,800 barrels. Barley receipts from the same source were 82,880 tons and oats 45,400 tons.

With the deepening of the Columbia bar and the river, conditions are, in the judgment of shipping authorities, entirely propitious for the building up of a wonderful water-borne commerce, which shall contribute to the success of all the communities along the great waterway. In anticipation of this increased activity all of the cities which expect to benefit by the growth in traffic are spending money liberally in order to be prepared for their opportunity when it comes.

The port of Portland has spent upward of \$4,000,000 in the removal of shoals and the construction of shipping facilities in order to make the most of the added millions which the Federal Government has spent in opening a 30-foot channel from Portland to the sea. The port of Astoria is also spending large amounts in the construction of seawalls and municipal piers and warehouses, while the Hill lines are building up an important terminal at Flavel, three miles below Astoria, to operate in connection with their new line of coastwise passenger steamers.

Simultaneously with this activity there has been a marked increase throughout the whole of the Columbia region of interest in and provision for the construction of new highways, indicating an awakened consciousness of the necessity and importance of transportation facilities to a section of the country which is just now coming into its own.—Coast Seamen's Journal.

THE ORIGIN AND THEORY OF THE CITY MANAGER PLAN.

By Herman G. James.*

It is nearly fifteen years ago since our State came into the limelight in matters of city government, with the adoption of the commission form of municipal government in the neighboring city of Galveston. The enormous interest manifested in this new city

government and the rapidity with which it spread to the cities in this State and other states of the Union are matters of common knowledge. They furnish conclusive evidence of the fact that commission government met a real need in the improvement of municipal affairs and the testimony from nearly all commission-governed cities today, however brief their period of experiment may have been, is that the city government has in many respects been improved as compared to its condition prior to the adoption of this new form.

The advantages claimed by the supporters of this new form of municipal government over the old Mayor and Council form may be briefly summarized in the words, simplicity and centralization of authority and responsibility.

Within the last few years there has come another important innovation into our system of American city government, called the City-Manager Plan, and the rapidity with which this newest experiment is being taken up throughout the country compels us, as students of municipal problems, to investigate into its origin, history and possibilities. The city of Staunton, Virginia, took the initiative in installing an officer responsible to the elected governing body of the city, who should be in charge of the administrative work of the municipality. This officer was called, in the ordinance which provided for his appointment, a General Manager. This was in the beginning of 1908. The city of Staunton retained the Mayor and Council as its governing body because it was unable under the Virginia constitution to change its form of government to the commission form although that was desired by the advocates of an improvement in the Staunton city government.

Little was known of this first venture in the field of a city manager and it was not until 1912, when the city of Sumter, South Carolina, adopted a commission government with a city manager and advertised in the newspapers of this country the fact that a vacancy of such a nature existed and that applications would be received that much attention was directed to this latest experiment.

In 1911 the Board of Trade of Lockport, New York, in an effort to improve the government in that city, introduced into the New York Legislature a bill authorizing commission government with a city manager for cities of the third class in that State. This bill, which came to be known as the Lockport Bill, failed of adoption, but it came to be the model on which other cities interested in the city manager idea based their charter provisions.

Since the widely advertised adoption of the plan in Sumter it has spread to other cities of the South and North, the largest and most influential of which is Dayton, Ohio. Owing to its size and to the campaign of publicity connected with its new charter, Dayton came to be regarded as the original or at least the model city-manager city. Each month the list of cities which have adopted the city-manager plan has increased.

Texas here again, as in the case of

commission form of government, is taking the lead. While the city-manager plan did not originate in Texas, as did the commission form, there are four cities in this State at the present time which have adopted that plan of government and others have the matter now under consideration. According to the best information available, there is no other State in which as many as four cities have adopted the new form.

We may, therefore, assume that interest in this new form of government is at least as far-reaching and widespread in this State as elsewhere and that the subject of this new form of city government cannot be without interest to each city official and each wide-awake citizen of the State.

Now, just what is new about the city-manager plan? Commission government, as we know, substituted one responsible body for two, reduced the number of elective officers, fixed the responsibility for the administration of various services of the city and provided certain checks in the way of public control. The city manager attempts to interfere with or alter none of these legal or political characteristics of commission government. That is to say, the responsibility of the elective body remains and the instruments of public control are not abolished. It is on the administrative side that the departure from commission government takes place.

One of the chief arguments made by the advocates of commission government was that the business of a municipal corporation is much like the business of a private corporation and that the form of organization which has proved successful in the latter might naturally be expected to prove successful in the former. And the conclusion drawn was, that the board of directors of a private corporation would correspond to the commission or board of directors of the city. Now curiously enough commission government is unlike the government of a private corporation in one very essential particular, and that is that no officer is provided under the ordinary commission form to correspond to the general manager of the corporation. In other words, the city commission is like a board of directors in a private corporation, each one of whom attends to the supervision of some particular branch of the activities of the corporation but no one of whom is particularly responsible for the efficient and practical management of the concern as a whole. It is of course well known that that is not the way in which corporate affairs are run.

If we would be guided, then, by the analogy of private corporations let us not stop at the most important point by failing to provide an office corresponding to the general manager but let us adopt that feature of business corporation management which is perhaps more largely than any other responsible for the efficiency with which private business is conducted.

Turning now to the operation of the commission form as originally adopted, let us see why the lack of a city manager must result in friction, duplication, or lack of responsibility in some of the affairs of the city government. It is quite proper to divide the general affairs of the city into five or six groups and charge a man with the re-

sponsibility of the administration of each one of these groups, but that man should, in the first place, be an expert in his line and all these men should in the next place be responsible to some common superior, or without the expert professional administrator the affairs of each department will suffer, and without the central authority the affairs of all the departments will suffer.

The division of the work of a city into five or six branches can in its very nature not be an absolutely inclusive and exclusive division. The nature of these affairs is such that many of the most important branches of municipal service will cut into the sphere of two or three departments. Simple co-operation cannot be relied upon to secure the harmony necessary for efficient working together, because many times the general public welfare may demand the subordination of what might seem to be the interests of one department to those of another.

We may say, then, that commission government fails in two respects. In the first place it puts into the hands of elective officers the management of affairs which are extremely technical in their nature and demand professional experts, and in the second place it fails to co-ordinate the work of administration by subordinating it to one central responsible authority. Both of these defects the city-manager plan will remedy. The city manager is chosen because of expert qualifications, not because of friends and relatives who may like to see him in public office. He in turn chooses his subordinate officers on the basis of the same qualifications. The heads of departments, being appointed and removed by him, under proper limitations, are responsible to him in every particular, and he is able to use that compulsion which is frequently necessary to secure successful co-operation.

Such, in brief, is the theory of the city-manager plan and it would seem to be too clear for argument that these changes must materialize if the plan is worked out on the foregoing principles. There are, however, some objections which have been urged against this plan and which it may be well to dwell on very briefly here.

Perhaps the commonest objection is that this plan is undemocratic; that it is bureaucratic because the central authority is in the hands of a single individual and he not even elected by the people. The answer to that of course is apparent. The control of the electorate is continuous over the members of the commission. The members of the commission appoint and remove the city manager and consequently have the absolute power of direction. If the elected representative body of the people is dissatisfied or if their constituents are dissatisfied with the city manager he can be removed more easily than if he were an elective officer who might have succeeded in building up a strong machine.

There is, however, a real danger in this centralization of responsibility in those communities, and in those only, in which the electorate is unable to exercise its control over the members of the elected representative body. If a community is hopelessly boss-ridden the city manager would doubtless be the tool of the boss, but in any com-

munity in which that primitive stage of political development has been passed and the citizens can elect and keep elected a responsible and responsive commission, there need be no fear of an autocracy.

Another argument advanced against the city-manager plan, for larger cities at any rate, is that the entrusting of all administrative authority to one individual confers more than one individual can be expected to administer effectively. To this it may be answered that private corporations could easily be instanced whose capital and expenditure exceeded that of many large cities and yet which have found the general manager and indispensable officer. To my mind there is no distinction, as far as the question of administrative efficiency is involved, between the smaller city and the larger city. Every city, whatever its size, will gain by increased efficiency in its administration; and concentration of power and responsibility in the hands of single individual chosen on the basis of professional qualifications cannot help but result in increased efficiency.

*Secretary-Treasurer of the League of Texas Municipalities and Director of the Bureau of Municipal Research and Reference of the University of Texas. Paper read at the second annual convention of the League of Texas Municipalities, Houston, November 10, 1914

DISEASE IN WARFARE.

Probably few other than medical observers realize fully the part disease is playing during the present world war, and will continue to play, when the war is done, by reason of the predispositions brought about by war's stresses. Although the medical military service is probably more perfected than in previous conflicts, yet several men are dying of disease to one slain by ordnance. Infection has indeed modified the course of all, and has abruptly terminated some wars. Campaigns which should by all military prognostications have succeeded, have failed because cholera, plague, typhoid, typhus, smallpox, malaria, dysentery, and yellow fever have cheated shot and shell of their victims. Montgomery and Arnold were not successful in invading Canada because too few were left for the assault when small-pox and dysentery had taken their quota. Napoleon in 1802 wanted to found an empire in our South, and could not because the San Dominigan epidemics outgeneraled him, destroying 15,000 of his fine army. In our Mexican war less than 1,000 were killed or died of wounds, while nearly 5,000 succumbed to the bacterial bullet. The British in the Crimea lost twenty-five men from disease to one from wounds. In the Franco-Prussian war Bazaine's great army, if it had not surrendered at Metz must have succumbed utterly to disease and starvation, while literally one half the investing Germans, with everything in their favor, were on the sick list. In the brief war with Spain, our dead from sickness were seven times more numerous than from injury. In the Balkan war of several years ago the Bulgarian campaign broke down largely because of epidemics. There were 20,000 cases of cholera in one day.

Here was a more fatal factor than the Turkish resistance in checking the Bulgars at Chatalja.

And war's aftermath. The unusual physical stresses of war, and the enduring effect of its horrors upon the psychism, predisposes to degenerations and organic diseases. Wherefore there is in the few years after every war unusual sickness and untimely death among the survivors, from anemia, debility, liver, heart, kidney and other diseases. Tuberculosis has long manifested itself in its insidious and malign way, in the world's large armies. Many enlisted men have this disease latent in them, either to burst forth under the strains of campaigning, or to appear soon after the exhausting warfare is ended. Thus, when one computes the awful life destruction in war's carnage, one must multiply the loss several fold by reason of disease.—Scientific American.

CITY BEAUTIFICATION TO RESULT FROM EXPOSITION.

"The great and enduring lesson of beauty," that is the most important achievement of the Panama-Pacific International Exposition, and it will result in vast improvement of the cities and towns of California. So declares Professor Eugene Neuhaus of the University of California, chairman of the Western Advisory Committee for Fine Arts and member of the International Jury for Art, in the book which he has just published on "The Art of the Exposition." The interpretation of the architecture, sculpture, mural painting, landscape gardening, color and illuminations of the Exposition which Professor Neuhaus has set down in this book he is to develop in greater detail in eighteen illustrated evening lectures in the Summer Session of the University of California, from June 21 to July 31.

Professor Neuhaus pokes a little fun at the misconception which prevails in some parts of the United States that the West "has only very recently emerged from a state of semi-civilization, inimical to the finer things of life." He declares the buildings of the Exposition have "all the big essential qualities that art possesses only in its noblest expression." He says the fundamental laws of balance, harmony and unity, have been uniformly and persistently applied through the seriously designed main body of the Exposition. The Fine Arts Palace, of which Bernard Maybeck was the architect, Professor Neuhaus characterizes as of a "supreme beauty," and as "based on the realization of a dream of true artistic conception."

Sculpture Mr. Neuhaus regards as the most important of all the arts for an exposition, because the most human. He declares that seldom before have sculptor and architect so successfully worked together as at this Exposition. He predicts a great future for sculpture in America, "where our temperament demands it." The extraordinarily successful use of color and the wonderful achievements in lighting he regards as two of the most fruitful contributions of the Exposition.

In his discussion of the mural paintings, he particularly praises the wonderful Brangwyn murals in the Court

of Abundance, declaring that it evidently "gave the artist the utmost pleasure to paint them." He characterizes them as "great paintings in a technical sense."

That the Exposition will be far-reaching in its demonstration of the "actual commercial value of artistic assets" is predicted by Professor Neuhaus. He declares the Exposition really a city-planning exposition of the first order, and urges application of the great principles displayed there in the development of every city and town in California. He predicts that the Exposition "will start an avalanche of improvements along artistic lines, which will be given increasing momentum by the development of long periods of prosperity."

ITALIAN UNITY.

The historian Emil Reich thought German unity was more of a fact than Italian unity because the Germans had achieved it for themselves and Italians has been given it. The author of "Foundations of Modern Europe" reminds that it was the French victories of Magenta and Solferino over Austria that brought or helped greatly to bring Italian nationality. No other country helped Prussia and its allied German states defeat Austria in 1866, nor helped Germany defeat France in 1870-71.

It was Napoleon's third withdrawal, too, which left "Italia Irredenta" still in Austria's hands. The Italians of the time were furious with the French emperor for making a "premature" peace with Francis Joseph. But the French had begun to doubt the wisdom of letting Italy become too powerful.

For the past few months Italy has been in the balance between accepting the unredeemed provinces also as a gift (from Austria directly; from the exigencies of other peoples' wars indirectly) and taking them for herself as a result of her own fighting. Even fighting, in the present circumstances, gives Italy the benefit of outside help. But no doubt the feeling that Italy should conquer her "lost provinces" for herself has been a factor in the long debate.

Maybe Italian unity will gain now something more of German solidarity. —Kansas City Star.

CONSULAR TRADE CONFERENCES.

Consul Cornelius Ferris, Jr., of Bluefields, Nicaragua, will be in the United States on leave of absence until about July 23, 1915, arriving at New Orleans June 2 or 3. He expects to arrive in Washington June 4 or 5, where he will remain three or four days, going from Washington to Brewster, Mass., to remain one day. From Brewster he expects to go to Denver, Colo., where he will remain one week and his address while there will be 729 Columbine Street. Mr. Ferris expects to be in Los Angeles, Cal., from June 30 until about July 24, and while there his address will be 1132 Fourth Avenue.

Vice Consul Frank C. Rich, of Madras, India, reports from San Francisco, Cal., under date of May 10, that he will be in the United States until about July 10, 1915. His address will be at 6 Hamilton Avenue, Auburn, N. Y. (*)

ADVANCE NEWS

Classified according to Character of Work

APARTMENT HOUSES

SAN FRANCISCO—Apartment house, 2 story and base, brick, \$45,000. Architects, Koenig & Christiansen, Humboldt Bank Bldg., S. F. Owner's name withheld. The building will be erected on the south side of Turk street east of Hyde, and has been designed to contain a total of 32 suites arranged in two and three rooms. All apartments will have wall beds and private bath rooms. Interior finish will be of pine with some hardwood veneer. Hardwood floors will be used in the principal rooms. Plans provide for steam heat, a hot water circulating system and dumb waiters. An oil burning equipment will be installed. Bath rooms will have tile wainscot and floors. Marble and tile wainscot will be used in the entrance vestibule. Exterior of the building will be faced with pressed brick trimmed with terra cotta. Segregated figures will be taken.

SAN FRANCISCO—Apartment house, 3 story and base, frame, \$15,000. Architect, Edward E. Young, 251 Kearny street, S. F. Owner, James Gantley, 1370 Green street. The building will be erected on the south side of Sacramento street west of Jones, and will have a frontage of 27-6 by 76-6. There will be a total of six apartments of three and four rooms. The basement will be fitted up for a garage. All apartments will have wall beds and private bath rooms. Interior finish will be of pine and red gum with elm panels and hardwood floors. There will be steam heat and a hot water supply. Reversible windows are specified. Bath rooms will have tile floors and wainscot. Exterior of the building will be faced with rustic and cement plaster on metal lath. Plans are complete and figures will be called for shortly.

LOS ANGELES, CAL. — Apartment house, 4 story and base. Class C construction, \$120,000. Architects, California Architectural and Construction Co., California Bldg., L. A. Owners, Ella H. Potts and Rowena P. Caruthers. The building will be erected on the north side of Adams street, extending through from Hope to Palm Drive. There will be a total of 160 rooms arranged in suites of two and three rooms, all with private baths and wall beds. Interior will be finished in pine with hardwood veneer and hardwood floors. There will be steam heat, a hot water system, elevator service and vacuum cleaning. Entrance will be finished in marble and tile. Bath rooms will have tile wainscot. Exterior of the building will be faced with pressed brick and cement plaster. Plans are now being prepared.

FRESNO, FRESNO CO., CAL. — Apartment house, 2 story and base, brick, \$60,000. Architect's name not given. Owners, Olender Bros., 1833

Tulare street, Fresno. The building will be erected at the corner of H and Tulare streets, and will cover a large ground area. Interior has been arranged for a large number of two, three and four room suites. There will be pine and hardwood interior finish, hardwood floors and tile wainscot in the bath rooms. Plans provide for steam heat, a hot water supply and vacuum cleaning. All apartments will have wall beds and private baths. Exterior of the building will be faced with pressed brick. Plans are complete and in the hands of the owners who are now taking segregated figures on the work.

BANKS

VANCOUVER, B. C.—Bank and offices, 3 story and base, reinforced concrete, \$75,000. Architects, Somerville & Putman, White Bldg., Seattle. Owners, Merchants Bank of Canada. The building will be erected at the corner of Granville and Pender streets, and will cover a considerable ground area. Construction will be fireproof throughout, with reinforced concrete walls floors and roof slabs. The entire first floor of the building will be occupied by the bank. Interior will be finished with hardwood, ornamental plaster, ornamental bronze and iron. Special bank equipments and fittings will be installed. There will be coin and safety deposit vaults. Upper two floors will be divided into offices both single and en suite, and will be finished in pine and hardwood. Marble floors and wainscot will be used in the corridors. Plans provide for steam heat, vacuum cleaning and metal window sash and frames. The exterior of the building will be faced with pressed brick and cut stone. Plans are complete and figures are being taken.

BONDS

CHICO, BUTTE CO., CAL.—According to word received from this city the movement for the organization of a drainage district to drain about 40,000 acres of adobe land in the neighborhood of Nelson and Richvale has reached the point where the petition has been signed by more than the necessary number of signatures, and it is apparent that the election will be held sometime during the summer.

The petition will be presented to the Board of Supervisors on June 12th, it being necessary that certain legal notices be published in the meantime.

The cost of this work is variously estimated from \$175,000 to \$225,000.

REDWOOD CITY, SAN MATEO CO., CAL.—The proposition of issuing and selling bonds for the purpose of securing the necessary additional school sites for new school buildings contemplated in this city, will be voted on sometime this year, according to newspaper reports.

LIVE OAK, SUTTER CO., CAL.—The proposition to bond the district for \$5,000 for school repairs to be made on the building of the Clay District, failed to carry at an election recently held.

RODEO, CONTRA COSTA CO., CAL.—Bonds to the amount of \$17,000 were unanimously voted by residents of this place for the installation of a complete municipal sewer system in the residence and business districts.

GALT, SACRAMENTO CO., CAL.—The \$17,000 bond issue to provide for the erection of a school building for the Galt School District has been sold to Byrne & McDonnell of San Francisco, who bid a premium of \$687.

SAN RAFAEL, MARIN CO., CAL.—It has been decided that the bond election for the Marin Municipal Water District will be held on August 21st, when the people will be asked to vote on the question of issuing bonds of \$3,000,000.

MADERA, MADERA CO., CAL.—At a mass meeting called by the City Trustees, it was decided to call a special election for the voting of bonds of \$10,000 to provide for the construction of a concrete bridge over the Fresno River on D street.

WEST PARK SCHOOL DISTRICT, FRESNO CO., CAL.—The West Park School District on June 15th will vote on the proposition of issuing and selling bonds of \$12,000 for school purposes.

EL CENTRO, IMPERIAL CO., CAL.—By a vote of 354 to 19 the voters of El Centro have approved the bond issue of \$250,000 for the construction of a new sewer system with outfall in New River.

IMPERIAL, IMPERIAL CO., CAL.—By a vote of 151 to 14 this city has voted bonds of \$685,000 for a new sewer system, joining with El Centro in laying the main from that city to New River, paying two-fifths of the cost of that section.

PINAL COUNTY, ARIZONA.—Pinal County has approved a bond issue of \$150,000 for improving highways, \$60,000 of which will be expended on the Ray-Kelvin highway.

WASHINGTON LEVEE DISTRICT, YOLO CO., CAL.—A bond election held in this district to decide the question of issuing bonds of \$10,000 for the improvement of the levee has been defeated. The vote was unusually light.

COACHELLA, RIVERSIDE CO., CAL.—Coachella Union High School District has defeated the proposition for a \$25,000 high school building.

SUSANVILLE, LASSEN CO., CAL.—According to latest reports the election held in Lassen County to vote bonds of \$100,000, has carried.

Of the \$100,000 voted, \$80,000 will provide for the construction of a county house and \$20,000 for the building of a county hospital.

The bonds will now be advertised for sale and when sold plans for both

structures will be called for by the County Supervisors.

EUREKA, HUMBOLDT CO., CAL.—C. H. Elsner of this city has decided to erect a photographic building on his lot on C street. The building will be two stories in height and will cover an area of 40 by 45 feet. Plans will be designed so as to provide for the addition of another story.

HILLSBOROUGH, SAN MATEO CO., CAL.—A resolution presented by Attorney Redington to the Town Trustees, calling for a bond election to vote \$40,000 for additional street improvements, has been adopted.

The School Trustees of Hillsborough will call an election at an early date to decide the question of issuing and selling bonds in the sum of \$25,000 for the purchase of a site and the erection of a school building.

AUBURN, PLACER CO., CAL.—A resolution of intention to pass an ordinance calling for a special bond election to raise \$25,000 for the purchasing of three fire trucks, installing a fire alarm system and extending the sewer system of the city of Auburn, was passed by the Trustees.

The bond issue will be divided so that the voters may vote for or against any of the three propositions on the ballot. It is estimated that the three small fire trucks will cost \$6,000, the fire alarm system \$2,000 and the extension of the sewers \$17,000.

It is planned to hold the election early in September of this year.

DIXON, SOLANO CO., CAL.—The election held here for the purpose of bonding the Grant School District to provide funds for the erection of a new school building has been defeated. Another election will be held on July 2nd.

BRIDGES AND DAMS

EUREKA, HUMBOLDT CO., CAL.—Bridge, reinforced concrete. Cost not stated. Engineer, County Surveyor, Eureka. Owners, Humboldt County. Plans and specifications have been completed for the construction of a 20-foot reinforced concrete bridge, which is to be erected over Wolverton Creek at Burnell's Crossing in Road District No. 2. Plans are now out for figures and bids will be opened on June 15th. Plans and specifications can be secured from the office of the County Surveyor.

SAN FRANCISCO—Bridge, steel bascule, \$120,000. Engineer, City Department of Engineering, Temporary City Hall, S. F. Owners, City and County of San Francisco. The bridge will be erected over Channel street at Fourth. The span will be 75 feet. Piers will be of reinforced concrete. The roadway will be paved with asphalt. Plans are complete and figures are now being taken. Bids will be opened by the Board of Public Works on June 23rd.

TOPCOCK, ARIZ.—Bridge, steel and concrete. Cost not stated. Engineer, Department of Indian Affairs, Washington, D. C. Owners, United States Government. Plans have been completed for a large steel bridge to be erected over the Colorado River near Topcock. Bids will be opened on June 19th. Plans and specifications can be secured from the office of the Department of Indian Affairs at Washington or from the Indian Warehouse in San

Francisco. An official proposal appears in another column of this issue.

SACRAMENTO, CAL.—State bridge and harbor work. Cost not stated. Engineers, State Highway Commission, Forum Bldg., Sacramento. Owners, State of California. The Board ordered the rejection of all bids for the construction of the bascule bridge on the state highway crossing the Yolo basin, and also the rejection of all bids for the strip of highway to be constructed from the town of Red Bluff to the northern boundary of Tehama County. Plans for the construction of a viaduct over the Embarcadero for the use of pedestrians were approved, as were the plans and specifications for the extension of pier No. 20 and the improvement of the entrance to the passenger station, all on the San Francisco water front.

CHURCHES.

SANTA CLARA, SANTA CLARA CO., CAL.—Convent, 2 story and base, reinforced concrete, \$100,000. Architect, John J. Foley, 46 Kearny street, S. F. Owners, Carmelite Sisters, Santa Clara. The building will be designed in the Mission style, and will be erected on property near that of the Santa Clara College. The building will cover a ground area of 200 by 200 feet. The main portion of the structure will be occupied by the chapel, library, recreation room, and living apartment. Interior will be finished in pine and hardwood. There will be a steam heating plant with a complete oil burning equipment, vacuum cleaning and a hot water supply. Ornamental plaster and art glass windows will be used in the chapel. Exterior of the building will be faced with cement plaster. A clay tile roof is specified. Plans are now being prepared.

BERKELEY, ALAMEDA CO., CAL.—Chapel and living room, 2 story, frame, \$7,000. Architect, Eugene K. Martin, 2182 Shattuck avenue, Berkeley. Owners, Methodist Episcopal Church of Berkeley. The building will be erected at the northeast corner of California and Derby streets. Besides the chapel, which will have a seating capacity of 300 people, the building will contain living apartments for the pastor. Interior finish will be of pine with some hardwood veneer. There will be a central heating system and a hot water supply. Bath rooms will be finished in tile. There will be an open fire place with tile or brick mantel. Exterior of the dwelling will be covered with cement plaster. Plans are complete and figures are now being taken.

PASADENA, LOS ANGELES CO., CAL.—Church, 1 story and base, frame. Cost not stated. Architects, Buchanan & Brockway, 65 North Raymond avenue, Pasadena. Owners, Washington Christian Congregation, Pasadena. The building has been designed to contain besides the main auditorium, five class rooms, parlors and study. Interior will be finished in pine with some ornamental plaster and art glass windows. There will be a central heating system. Exterior of the building will be covered with rustic and cement plaster. Plans are now being prepared.

OAKLAND, CAL.—Church additions and alterations, frame, \$4,000. Architect, J. W. Mullen, 2201 Ellsworth

street, Berkeley. Owners, Beth-Eden Church. The present building located on Filbert street between 7th and 8th streets will undergo alterations. Included in the work will be new interior trim, plaster, electric work, art glass and painting. Plans are complete and figures are now being taken.

COURT HOUSES.

OAKLAND, CAL.—Hall of Records repairs. Cost not stated. Architect, none. Owners, Alameda County. Plans are complete and in the hands of the County Clerk for painting, wiring, plumbing and carpentry work to be done in the County Recorder's office in the Hall of Records. Bids are now being taken and will be opened on June 14th. Plans and specifications can be had from the office of the County Clerk.

FACTORIES AND WAREHOUSES.

EMERYVILLE, ALAMEDA CO., CAL.—Storage building, 1 story, steel and hollow tile. Cost not stated. Engineer, L. S. Rosener, Merchants Exchange Bldg., S. F. Owners, Paraffine Paint Co. The building has been designed for one of the most modern warehouse structures yet erected in Alameda. The structure will cover an area of 140 by 140 feet. There will be a complete steel frame and exterior walls of hollow tile. A cement floor will be used. Modern conveying equipment and a large crane will be installed. The plans include modern plumbing and electric work. Exterior of the building will be faced with terra cotta with struck joint. Plans are complete and figures have been taken.

Contracts Awarded

SAN FRANCISCO—Machine shop, 1 story and base, reinforced concrete. Cost not stated. Architect, John Ettler, Atlas Bldg., S. F. Owners, Hansen & Bain, 244 Townsend street. Contractors, Segurson Bros., 308 Guerrero street, S. F. Contract price not stated.

SAN FRANCISCO—Warehouse and oil pumping station, 2, 1 story, steel and concrete. Cost not stated. Engineer, Engineering Department Shell Oil Co., 343 Sansome street, S. F. Owners, Shell Oil Co. Contractors, Gutleben Bros., New Call Bldg. Contract price not stated. This same firm of contractors has been awarded the contract for the construction of two similar buildings to be erected in Sacramento.

PORTLAND, ORE.—Warehouse, 3 story and base, brick, \$35,000. Architects, Doyle & Patterson, Worcester Bldg., Portland. Owners, Mason-Ehrman Co. Contractor, James P. Taylor, MacLeay Bldg., Portland. Contract price, \$35,000.

LOS ANGELES, CAL.—Factory, 3 story and base, reinforced concrete, \$30,000. Architect, E. A. Stuhman, L. A. Owners, Coca Cola Co. Contractors, Leonardt & Peck, H. W. Hellman Bldg., L. A. Contract price, \$30,000.

FIREHOUSES AND JAILS

SAN FRANCISCO—Juvenile detention home. Class A construction, \$150,000. Architect, Louis C. Mullgardt, Chronicle Bldg., S. F. Owners, City and County of San Francisco. Bids

opened for the various parts of this work by the Board of Public Works at their last Wednesday meeting show the following firms low: General construction, the Pacific Contracting Co., \$1,325. Foundation work, John Spargo, \$4,400. Structural steel, Dyer Bros., \$31,350. Plumbing, H. Lawson, \$14,350. Heating and ventilating, Atlas Heating and Ventilating Co., \$3,990. Electric work, Rex Electric Co., \$3,635. Elevator work, Otis Elevator Co., \$5,885. No contracts have been awarded. A complete list of the bids on this work will be found under the heading of San Francisco in this issue.

FLATS

SAN FRANCISCO—Flats, 2, 2 story and base, frame, \$5,000 each. Architect, none. Owner, H. C. Keenan, 300 Webster street, S. F. These buildings will be erected on the east side of 17th avenue, north of California street, each having a frontage of 25 feet and a depth of 61 feet. There will be two modern flats of five and six rooms in each of the buildings. Interiors will be finished in pine with some elm panels. Hardwood floors will be used in the living room, dining room and reception hall. There will be open fire places and tile or brick mantels. Tile wainscot will be used in the bath room. Plans provide for automatic water heaters. Exterior of the buildings will be faced with rustic and cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor. Materials are now being purchased.

SAN FRANCISCO—Flats, 2 story and base, frame, \$2,500. Architect, none. Owners, E. Dahl and G. E. Cruden, 1848 Hayes street. The building will be erected on the east side of 28th, north of Geary, and has been designed to contain two modern flats of four and five rooms. Interior finish will be of pine throughout. Hardwood floors will be used in the living and dining rooms. There will be an open fire place in each living room. Mantel will be of tile or brick. Tile wainscot will be used in the bath rooms. Automatic water heaters will be installed. Exterior of the building will be faced with brick veneer and rustic. Plans are complete and in the hands of the owners who will do the work by Day Labor.

GOVERNMENT WORK & SUPPLIES

Mare Island, Cal., Refrigerating Plant.

The following bids were received by the chief of the bureau of yards and docks, Navy Department, Washington, D. C., for a refrigerating plant at the marine barracks reservation, U. S. navy yard, Mare Island, Cal.:

Item 1, refrigerating plant, complete; 2, do, conforming to the intent of the specification, but with modification of detail; 3, deduct for substituting a type of insulation clearly described guaranteed in the lieu of the cord-board insulation specification; 4, price for omitting all labor except services of expert mechanic to superintend installation and conduct preliminary operation and tests; 5, price for ice making and refrigerating plant, complete, in accordance with specifications as supplemented by No. 1; 6, do, con-

forming with the intent of the specification, but with modification of detail.

Baker Ice Machine Co., Omaha, Neb., item 1, \$3,990.

United Iron Works, Oakland, Cal., item 3, \$178; 4, \$117; 5, \$4,725.

Creamery Package Mfg. Co., Chicago, Ill., item 6, \$4,477.

Vilter Mfg. Co., Milwaukee, Wis., item 5, \$3,769; 6, \$3,647.

York-California Construction Co., San Francisco, Cal., item 1, \$3,389; 6, \$3,783.

Neah Bay, Wash., Building.

The contract for the construction of a building for the U. S. weather bureau at Neah Bay, Wash., has been awarded to N. T. Baines, Kent, Wash., at \$2,986.

Park City, Utah, Models.

All bids received by the supervising architect, Treasury Department, Washington, D. C., for furnishing plaster models for the U. S. post office at Park City, Utah, have been rejected.

Everett, Wash., Post Office.

The contract for the construction, complete, of the U. S. post office and custom house at Everett, Wash., has been awarded to Hendrickson & Co., Alaska Building, Seattle, Wash., as follows: Using Wilkeson sandstone for all exterior stonework, except where granite is required, \$111,319; plus alternate 1, for painting all plaster walls and finishing ceilings in distemper, \$200; total, \$111,519. The right is reserved for 90 days to order alternate 2, constructing superintendent's office, for the sum of \$200. Time to complete 16 months.

San Xavier School, Building.

The contract for constructing three buildings at the San Xavier Indian School, Ariz., bids for which were opened April 10, has been awarded to Chas. H. Odam, Phoenix, Ariz., at \$23,500.

Albany, Ore., Painting.

The contract for painting plastering in the U. S. post office at Albany, Ore., has been awarded to M. J. Graham, Philadelphia, Pa., at \$626; time, 60 days.

Refrigerators for the Army.

In connection with the advertisement appearing elsewhere in this issue for refrigerators, the following special information is furnished:

Proposals are invited for the construction of 415 refrigerators of the various sizes indicated below, in accordance with the specifications for refrigerators for the quartermaster corps, U. S. Army, May 10, 1915, 414.15.

Following is the number and size of refrigerators for which bids are invited: 43, battery size, 37 company size, 214 officer's size, and 121 noncommissioned officer's size.

Bids are desired per refrigerator for a. b. cars at place of manufacture on the various sizes; the price bid to include crates and packing for both domestic and export shipments. Price per refrigerator crated for domestic shipment to be stated separately from that crated for export shipment. Crates and packing to be satisfactory to the officer in charge of inspection. Inspection will be made at place of manufacture by an officer or agent of this

depot of the materials entering into the manufacture of the refrigerators and also the completed product.

Note in the specifications that bidders must state weight of each type of refrigerator and submit samples of shelving, hinges, fasteners, and insulating paper upon which bid is based. These samples must be properly marked for identification, showing name of bidder and type or refrigerator to which each sample pertains.

Bidders must state the time when and the place where they propose to make delivery and the rate of deliveries.

Proposals must be submitted in triplicate and may be accompanied by a certified check payable to the order of the depot quartermaster, Chicago, Ill., equal to 10 per cent of the amount involved in the bid in lieu of the guarantee to form of proposal attached thereto.

Successful bidders will be required to enter into a form of written contract and furnish bond running to the United States of America, with two or more individual sureties, or on corporate surety duly qualified before the Treasury Department to act as surety on government bonds, in the penal sum equal to 25 per cent of the amount of the contract.

Contract will provide that the United States shall have the privilege of increasing the total number of refrigerators to be furnished by not more than 50 per cent.

Bids should be inclosed in sealed envelopes, addressed to the depot quartermaster, 115-123 E. Ontario street, Chicago, Ill., and marked "Proposals for Refrigerators, to be opened June 17, 1915."

A. D. KNISKERN,

Lieut. Col., Q. M. Corps Depot Q. M.

Traveling Crane.

The following bids were received by the U. S. reclamation service, Los Angeles, Cal., for traveling crane for Boersch Lake pumping plant, Minidoka project, Idaho, under advertisement No. 163:

Euclid Crane and Hoist Co., Los Angeles, Cal., \$340 at Euclid, 30 days, not in accordance with specifications; motor drive not applicable to trolley proposed.

Terry Engineering and Machinery Co., Los Angeles, Cal., \$356 at St. Louis, 21 days; motor drive not applicable to trolley proposed.

Northern Engineering Works, Detroit, Mich., \$445, 45 days, smooth-spool drum and steel-wire hoist, or \$535, 60 days, chain-sprocket hoist; both at Detroit.

Manning, Maxwell & Moore, San Francisco, Cal., \$468 at San Francisco, 10 days; motor drive could not be applied in head clearance allowed.

Victor R. Browning & Co., San Francisco, Cal., \$515 at Cleveland, 30 days; no specifications with bid.

Maris Brothers, Philadelphia, Pa., \$575 at Philadelphia, 45 days.

Yale & Towne Manufacturing Co., New York City, \$586.40 at Cleveland, Ohio, and Stamford, Conn., 30 days; motor drive not applicable.

Whiting Foundry Equipment Co., Harvey, Ill., \$595, rope-drum hoist, at Harvey, Ill., 21 days.

Cleveland Crane and Engineering Co., Wickliff, Ohio, \$595 at Wickliff, 30 days.

Harran, Rickard & McCone, Los Angeles, Cal., \$820 at Philadelphia, 30 days; Niles crane.

Fulton Engine Works, Los Angeles, Cal., \$950 at Los Angeles, 25 days.

Brown Hoist Machine Co., San Francisco, Cal., \$1,280 at Cleveland, 90 days; 9-ft hook travel.

Llewellyn Iron Works, Los Angeles, Cal., \$1,875 at Los Angeles, 60 days; hook travel.

Lighthouse Service, Accumulator Pockets.

The following bids were received by the lighthouse inspector, 17th district, Portland, Ore., for six accumulator pockets for Wilson buoys:

The Marine Boiler and Machine Works, Portland, Ore., \$522.

Portland Boiler Works, Portland, Ore., \$825.

Standard Boiler Works, Portland, Ore., \$831.

Albina Engine and Machine Works, Portland, Ore., \$900.

Coos Bay, Ore., Boat House.

The contract for constructing a Coast Guard station, keeper's quarters, and accessories, boat house, launchway and jetty at Coos Bay, Ore., has been awarded to John William Hillstrom, Marshfield, Ore., at \$29,500; time to complete October 16, 1915.

Needle Valve Outlets.

The following bids were received by the U. S. Reclamation Service, Los Angeles, Cal., for two needle valve outlets, Salt River project, Ariz., Roosevelt Reservoir:

Item 1, the total weight in lbs; 2, price f. o. b.; 3, price delivered.

Rosedale Foundry and Machine Co., Pittsburgh, Pa.; delivery Pittsburgh; item 1, 86,000; 2, \$6,240; 3, \$6,952.

Power and Mining Machinery Co., New York City; delivery Cudahy, Wis.; item 1, 88,400; 2, \$6,466; 3, \$7,116.

Stacy-Schmidt Mfg. Co., York, Pa., delivery York; item 1, 100,000; 2, \$6,650; 3, \$7,485.

Nordburn Mfg. Co., Milwaukee, Wis.; delivery Milwaukee; item 1, 90,000 to 96,000; 2, \$6,775; 3, \$7,480.

Kennedy-Stroh Corporation, Pittsburgh, Pa.; delivery Verona Pa.; item 1, 89,000; 2, \$7,100; 3, \$7,848.

R. D. Wood & Co., Philadelphia, Pa.; delivery Camden, N. J.; item 1, 148,000; 2, \$7,250; 3, \$8,486.

Llewellyn Iron Works, Los Angeles, Cal.; delivery Los Angeles; item 1, 94,680; 2, \$7,490; 3, \$7,883.

Joshua Hendy Iron Works, San Francisco, Cal.; delivery Sunnyvale, Cal.; item 1, 90,000; 2, \$7,519; 3, \$7,937.

Union Machine Co., San Francisco, Cal.; delivery San Francisco; item 1, 84,000; 2, \$7,600; 3, \$7,991.

Pittsburg Valve, Foundry and Construction Co., Pittsburgh, Pa.; delivery Pittsburgh; item 1, 96,000; 2, \$7,700; 3, \$8,494.

The Wm. Cramp & Cons Ship and Engine Building Co., Philadelphia, Pa.; delivery Philadelphia; item 1, 86,000; 2, \$7,790; 3, \$8,508.

Fulton Engine Works, Los Angeles, Cal.; delivery Los Angeles; item 1, 92,000; 2, \$7,835; 3, \$8,217.

Wheeling Mold and Foundry Co., Wheeling, W. Va.; delivery Wheeling; item 1, 88,000; 2, \$7,937; 3, \$8,650.

Silver Bros Iron Works, Salt Lake City, Utah; delivery Salt Lake City;

item 1, 89,660; 2, \$8,579.40; 3, \$9,307.

The Vulcan Iron Works Co., Denver, Colo.; delivery Denver; item 1, 99,400; 2, \$8,632; 3, \$9,189.

Union Iron Works Co., San Francisco, Cal.; delivery San Francisco; item 1, 78,734; 2, \$8,800; 3, \$9,166.

The Pelton Water Wheel Co., San Francisco, Cal.; delivery San Francisco; item 1, 93,000; 2, \$9,842; 3, \$10,274.

Madison Iron Works, Los Angeles, Cal.; delivery Los Angeles; item 1, 88,000; 2, \$13,285; 3, \$13,634.

St. Mary's Canal, Excavation.

No bids were received at the office of the U. S. Reclamation Service, Great Falls, Mont., under specification 1,300, for excavation and structures, St. Mary's Canal, St. Mary's storage unit, Milk River project, Mont.

Pueblo Indian School, Building.

The following bid was received by the commissioner of Indian Affairs, Washington, D. C., for furnishing material and constructing two brick dormitories at the Pueblo Bonito Indian School, N. Mex.:

Harry D. Boyd & R. F. Yoder, Crown Point, N. Mex., \$19,600; 150 days.

San Francisco Circular No. 199.

The following bids were received by the depot quartermaster, San Francisco, Cal., under office circular No. 199:

Bid 1. A. W. Pike & Co., 711 Mission street, San Francisco, Cal.

2. John A. Roebling's Sons Co., 624 Folsom street, San Francisco, Cal.

3. Western Electric Co., 680 Folsom street, San Francisco, Cal.

4. Baker & Hamilton, 4th and Brannan streets, San Francisco, Cal.

5. Pacific Hardware & Steel Co., 7th and Townsend streets, San Francisco, Cal.

6. Mark-Lally Co., 235 2nd street, San Francisco, Cal.

7. The Heyman Weil Co., 720 Mission street, San Francisco, Cal.

8. Plant Rubber & Supply Co., 32 Beale street, San Francisco, Cal.

9. Frank S. Jones Co., 2405 Larkin street, San Francisco, Cal.

10. California Steam and Plumbing Supply Co., 671 5th street, San Francisco, Cal.

11. G. M. Josselyn & Co., 58 Sacramento street, San Francisco, Cal.

12. Selby Smelting & Lead Co., Merchants' Exchange Building, San Francisco, Cal.

13. Judson Mfg. Co., 819 Folsom street, San Francisco, Cal.

14. Pacific States Electric Co., 575 Mission street, San Francisco, Cal.

15. Dunham, Carrigan & Heyden Co., 140 Kansas street, San Francisco, Cal.

16. H. S. Crocker Co., 565 Market street, San Francisco, Cal.

17. Cane Co., 2nd and Brannan streets, San Francisco, Cal.

18. California Paint Co., 12th and Pine streets, Oakland, Cal.

19. Marine Electric Co., 350 Howard street, San Francisco, Cal.

20. Weeks-Howe-Emerson Co., 51 Market street, San Francisco, Cal.

21. Standard Soap Co., West Berkeley, Cal.

22. Bennett Bros., 514 Market street, San Francisco, Cal.

23. Fairbanks, Morse & Co., 651 Mission street, San Francisco, Cal.

24. George E. Butler, 356 California street, San Francisco, Cal.

25. Haines, Jones & Cadbury Co., 851 Folsom street, San Francisco, Cal.

26. Yates & Co., 762 Folsom street, San Francisco, Cal.

27. Waterhouse & Lester Co., 534 Howard street, San Francisco, Cal.

28. Whittier-Coburn Co., Howard and Beale streets, San Francisco, Cal.

29. C. Roman Co., 173 Jessie street, San Francisco, Cal.

30. Sherwin-Williams Co., 454 2nd street, San Francisco, Cal.

31. Los Angeles Soap Co., 250 Front street, San Francisco, Cal.

32. The B. F. Goodrich Rubber Co., 401 Mission street, San Francisco, Cal.

33. Seattle Hardware Co., Seattle, Wash.

34. Eugene Dietzgen Co., 18 1st street, San Francisco, Cal.

35. Yawman & Erbe Co., 712 Mission street, San Francisco, Cal.

36. Schwabacher-Frey Stationery Co., 611 Market street, San Francisco, Cal.

37. Pacific Tool & Supply Co., 402 Mission street, San Francisco, Cal.

38. National Meter Co., Monadnock Building, San Francisco, Cal.

39. M. Greenberg's Sons Co., 225 Beale street, San Francisco, Cal.

40. Henry R. Worthington, Sharon Building, San Francisco, Cal.

41. Langley & Michaels Co., 50 1st street, San Francisco, Cal.

42. U. S. Steel Products Co., Rialto Building, San Francisco, Cal.

43. The A. Lietz Co., 632 Commercial street, San Francisco, Cal.

44. Marshall-Newell Supply Co., 142 Stuart street, San Francisco, Cal.

45. Holbrook, Merrill & Stetson, 6th and Bloxume streets, San Francisco, Cal.

46. Universal Trading Co., 171 Broadway, New York City.

47. Saul Wagner, 419 Jackson street, San Francisco, Cal.

Item 1. 288 files, office, Shannon—Bid 16, 24c ea; 35, 35 2-5c; 36, 35c.

2. 6 shears, tinners—Bid 5, \$2.10 ea; 15, \$2.25; 45, \$2.25; 46, \$1.98.

3. 100 brushes, paint, flat, 2-in—Bid 18, 30c ea; 26, 29c; 28, 30c; 47, 26c.

4. 560 dippers, gray enamel, 1-qt—Bid 5, 10.25c ea; 7, 10 4-10c; 15, 10c 45, 17c; 46, 17.97c.

5. 150 do, 2-qt—Bid 5, 11.75c ea; 7, 11.6c; 15, 12c; 45, 18.75c and 24.5c; 46, 19.97c.

6. 30 picks, ice—Bid 15, 25c ea; 46, 13.9c.

7. 24 blades, compass saw—Bid 4, 15c ea.

8. 24 cups, grease—Bid 4, 12c ea; 5, 25c; 6, 24c; 15, 63c; 23, 35c; 27, 30c; 37, 50c; 44, 29 7-10c; 46, 18.4c.

9. 40 founts, street lamp—Bid 15, \$1.20 ea.

10. 5,000 knobs, porcelain — Bid 3, 51.3c per 100; 14, \$1.355; 15, \$1.19; 19, \$1.355; 46, 89.7c.

11. 24 pencils, stylographic—Bid 16, \$2 ea.

12. 1,000 lbs soap, laundry, chip—Bid 21, 4.625c lb; 31, 5c; 46, 6.39c.

13. 1,440 thumb tacks, brass head—Bid 16, \$3 gr; 34, \$4; 43, \$2.20.

14. 50 lbs borax, powdered—Bid 41, 5c lb.

15. 6 pans colors, water—Bid 54, 35c pan.

16. 48 handles, blacksmiths—Bid 4, 10c ea. 5, 46c; 15, 35c; 37, 35c; 27, \$5.-35 doz.

17. 12 cups, oil—Bid 6, 72c ea; 15, 84c; 23, 97c; 27, 90c; 37, \$1.05; 44, 71c.

18. 100 lbs emery flour—Bid 4, 4.5c lb; 37, 3c.
 19. 100 heads, shower, 6-in—Bid 6, \$1 ea; 10, 91.5c; 17, \$1.17; 25, \$1.45; 45, 95c and \$1.58.
 20. 24 kettles, tea, 5-qt—Bid 5, 44c; ea; 7, 44 4-10c; 45, \$1.04.
 21. 24 do, 8-qt—Bid 5, 59c ea; 7, 59 3-10c; 45, \$1.42.
 22. 2,000 lbs lead, pig—Bid 12, 4.65c lb; 45, 7c.
 23. 150 lbs nails, muntz metal, $\frac{3}{8}$ -in Bid 11, 24c lb.
 24. 100 lbs do, $1\frac{1}{4}$ -in—Bid 11, 24c lb.
 25. 10 lbs nuts, brass—Bid 37, 55c lb; 39, 40c; 44, 89.5c.
 26. 500 lbs paint, white, zinc, dry—Bid 26, 8 $\frac{1}{2}$ c; 28, 9c; 47, 8 $\frac{1}{4}$ c.
 27. 11 pitchers, water, 4-qt—Bid 5, 55c ea; 7, 60c; 15, 39c; 45, 68 $\frac{1}{2}$ c.
 28. 200 plates, fish, rail—Bid 13, 4 $\frac{1}{2}$ c lb; 42, 51c pr.
 29. 500 lbs rosin, lump—Bid 20, 2.90c lb; 26, 3 $\frac{3}{4}$ c; 28, 2 $\frac{3}{4}$ c; 46, 3.73c.
 30. 500 rings, syphon—Bid 6, 25c lot; 8, 30c doz; 17, 60c; 25, 50c; 32, 24c; 45, 49c.
 31. 24 sets, rivet No. 4—Bid 4, 12c ea; 27, 42c; 37, 20c; 45, 24c.
 32. 2,000 lbs spikes, railroad—Bid 4, \$2.45 cwt; 13, \$2.65; 42, \$2.45.
 33. 2,000 lbs steel, mild, flat, $\frac{1}{4}$ x2 $\frac{1}{2}$ -in—Bid 4, \$2 cwt; 5, \$2.10; 13, \$1.95; 15, \$2.15; 27, \$2.05; 42, \$2.35.
 34. 500 lbs do, $\frac{1}{2}$ x $\frac{3}{4}$ -in—Bid 4, \$2.35 cwt; 13, \$2.05; 27, \$2.15; 42, \$2.55.
 35. 48 stones, oil—Bid 4, 50c ea; 5, 55c; 15, 55c; 27, 56c; 37, 70c.
 36. 300 tubes, sounding machine—Bid 24, 14c ea; 43, 18c.
 37. 144 couplings, hose—Bid 5, 7.5c ea; 6, 9c; 8, 8c; 15, 7.4c; 23, 8 $\frac{1}{2}$ c; 32, \$1.75 doz; 39, 30c ea; 45, 7c.
 38. 300 shovels, short handled—Bid 4, 49c ea; 15, 69c; 33, 71c; 46, 61.9c and 66.9c.
 39. 1,500 lbs wire, fence, No. 10—Bid 2, \$2.85 ckt; 4, \$2.75; 5, \$2.75; 15, \$2.80; 12, \$2.85.
 40. 500 lbs do, No. 12—Bid 2, \$2.95 cwt; 4, \$2.85; 5, \$2.85; 15, \$2.90; 42, \$2.95.
 41. 36 prs hinges, butt—Bid 4, 4.2c pr; 5, 5c; 15, 4.2c; 22, 9c.
 42. 432 keys, blank—Bid 4, 58c doz; 5, 90c; 15, 60c; 22, 60c; 46, 59.7c.
 43. 60 keys, blank, No. 6—Bid 1, 60c doz; 4, 28c; 5, 40c; 15, 24c; 22, 32c; 44, 40c; 46, 47c.
 44. 72 do, No. 7—Bid 1, 60c doz; 4, 28c; 5, 40c; 15, 24c; 22, 32c; 44, 40c; 46, 47c.
 45. 72 do, No. 8—Bid 1, 60c doz; 4, 58c; 5, 71c; 15, 67c; 22, 69c; 44, 70c; 46, 89c.
 46. 96 do, No. 10—Bid 1, 60c doz; 4, 58c; 5, 75c; 15, 60c; 22, 70c; 44, 70c; 46, 89c.
 47. 72 locks, drawer, No. RS. 362—Bid 1, \$2.92 doz; 4, \$2.90; 5, \$2.75; 15, \$2.70; 22, \$2.60; 44, \$3; 46, \$2.89.
 48. 108 do, RA. 344—Bid 1, \$6.65 doz; 4, \$6.60; 5, \$6.25; 15, \$6.13; 22, \$5.98; 44, \$6.50; 46, \$5.73.
 49. 180 do, wardrobe—Bid 1, 42c doz; 4, 48c; 15, 42c; 22, 50c; 44, 50c; 46, 64c.
 50. 2,000 lbs paint, venetian red—Bid 18, 6 $\frac{1}{4}$ c lb; 26, 6 $\frac{1}{2}$ c and 6 $\frac{3}{4}$ c; 28, 4.86c; 46, 5.97c; 47, 4.5c.
 51. 800 lbs do, burnt sienna—Bid 18, 6c lb; 26, 7c; 28, 7 $\frac{1}{2}$ c; 47, 8c.
 52. 500 lbs do, burnt umber—Bid 18, 6c lb; 26, 6 $\frac{1}{4}$ c; 28, 7c; 47, 7c.
 53. 800 lbs do, burnt umber, in oil—Bid 18, 10c lb; 26, 9 $\frac{1}{2}$ c; 28, 9.6c; 29, 13 $\frac{1}{4}$ c; 30, 16c; 47, 13c.

54. 1 prane, match—Bid 5, \$1.90; 15, \$1.90.
 55. 12 bends, return, 2-in—Bid 17, 69c ea.
 56. 12 do, divided—Bid 17, \$1.93 ea.
 57. 6 elbows, back outlet—Bid 17, \$2.72 ea.
 58. 30 hangers, barn door—Bid 15, \$1.58 ea.
 59. 6 hangers, boxing—No bids.
 60. 15 holders, dome, brass—Bid 19, 72c ea.
 61. 270 ft track, barn door—Bid 15, 19.7c ft.
 62. 1 valve gate, brass—Bid 15, \$9.-45 ea; 17, \$6.62; 44, \$9.25.
 63. 1 do, relief, brass—Bid 6, \$16.20 ea; 15, \$16.50; 17, \$20.79; 44, \$16.
 64. 2 grinders, new automatic—No bids.
 65. 3,000 anchor, screw—Bid 3, \$3.-37 per 100; 14, \$3.90.
 66. 100pkgs paste, grinder—No bids.
 67. 1 gal cement, rubber—Bid 27, \$2 gal; 32, \$1.30; 46, \$3.40.
 68. 5 sets circulators, marine boilers—Bid 9, \$358 set.
 69. 1 meter, water, 1 $\frac{1}{2}$ -in—Bid 38, \$30; 40, \$27.50.
 70. 2 do, 2 $\frac{1}{2}$ -in—Bid 38, \$50 ea; 40, \$79.
 71. 1 gr screws, machine, brass—Bid 4, \$1.10 gr; 37, \$2.10.
 72. 1 shaft, for horse-clipping machine—Bid 4, \$2.60 ea; 15, 85c.
 73. 350 washers, spring lock—Bid 37, \$3.50 lot.
 74. 1 spool wire, annunciator—Bid 19, 60c lb.
 75. 12 packing, acorn—No bids.
 76. 5,200 hooks, coat and hat—Bid 4, \$6.60 gr; 5, \$2.75; 33, \$6.18; 46, \$6.57.
 77. 40 cocks, ball—Bid 6, \$1.25 ea; 17, \$1.53; 25, \$1.25; 45, \$1.75.

Nelson Reservoir, South Canal.

The following bids were received by the U. S. Reclamation Service, Malta, Mont., under specification 301, for earthwork, first contract, Nelson Reservoir, South Canal, Milk River project, Mont.:

Item 1, class 1 excavation; 2, class 2 excavation; 3, class 3 excavation; 4, overhaul; 5, total.
 James O'Connor, Dodson, Mont., item 1, 13.7c; 2, 30c; 3, \$1; 4, 2c; 5, \$15,615.
 Dooling Bros., Tampico, Mont., item 1, 13.9c; 2, 30c; 3, 90c; 4, 2c; 5, \$15,800.
 W. J. Hoy Co., St. Paul, Minn., item 1, 16c; 2, 35c; 3, \$1.50; 4, \$2; 5, \$17,850.
 Charles White & Co., Malta, Mont., item 1, 16.8c; 2, 35c; 3, \$1; 4, 2c; total, \$18,585.

Jurgens & Knipe, Glasgow, Mont., item 1, 17c; 2, 40c; 3, 70c; 4, 2c; 5, \$18,785.

Crandall Bros., Carmangay, Alta, Canada, item 1, 13.5c; 2, 30c; 3, 70c; 4, 2c; total \$15,410.

SAN FRANCISCO—Subtreasury completion. Class A construction. Cost not stated. Architect, Milton J. Dyer, Cuyahoga Bldg., Cleveland, Ohio. Owners, United States Government. Plans have been completed for the completion of the second floor of the Subtreasury Building, and figures are now being taken. The work includes mechanical equipment. Bids will be opened on July 7th. Plans and specifications can be secured from the office of the architect. An official proposal appears in another column of this issue.

HALLS AND SOCIETY BUILDINGS

SAN JOSE, SANTA CLARA CO., CAL.—Club house, 1 story and base, frame, \$4,000. Architect, Julia Morgan, Holbrook Bldg., S. F. Owners, the Country Woman's Club of San Jose. The building will be erected on Saratoga Road and has been designed similar to a large residence. There will be a main assembly room, reception hall, banquet room and kitchen. Interior will be finished in pine. Hardwood floors will be used. There will be an open fire place with tile or brick mantel. Exterior of the building will be covered with rustic and shingles. Plans are complete and figures will be called for shortly.

FRESNO, FRESNO CO., CAL.—Armory and stores, 2 story and base, brick, \$25,000. Architect, R. F. Felchin, Rowell Bldg., Fresno. Owner, F. P. Black. The building will be erected on I street between Tulare and Kern streets, and will be arranged for stores on the first floor and the second floor for an armory. Interior will be finished in pine with a maple floor in the drill room. There will be steam heat and a hot water system. Patent store fronts will be used. Exterior of the building will be faced with pressed brick. Plans are complete and segregated figures are being taken.

OREGON CITY, ORE.—Lodge hall and stores, 3 story and base, brick, \$25,000. Architect, P. Chapwell Browne, Mohawk Bldg., Portland. Owners, Odd Fellows and Moose Hall Associations. The building will cover an area of 66 by 90 feet. There will be stores on the first floor and a large ball room, offices and lodge rooms on the second floor. Interior will be finished in pine with some maple floors. A central heating system will be installed. Patent store fronts are specified. Exterior of the building will be faced with pressed brick. Plans are now being prepared.

HOSPITALS

SAN FRANCISCO—Nurses' home, 1 story, frame and plaster, \$9,000. Architect, City Department of Architecture, Temporary City Hall, S. F. Owners, City and County of San Francisco. Bids were opened at the last Wednesday meeting of the Board of Public Works for the general construction of the nurses' home and isolation hospital. At the same time figures were opened for furnishing and installing the refrigerators at the isolation hospital. The lowest bid received for the construction of the nurses' home was that of Neil A. MacLean Co. on proposition No. 1 at \$6,588. The Marshall-Stevens Co. submitted the lowest figure for the refrigerator at \$1,314. No contract has been awarded. A complete list of the bids received will be found under the heading of San Francisco.

SAN FRANCISCO—Hospital, 2, 1 story, reinforced concrete. Cost not stated. Architect, Constructing Quartermaster, Fort Mason. Owners, U. S. Government. Two 1 story additions will be made to the Government general hospital at the Presidio of San Francisco. One of the buildings will be designed for a ward, while the other will be in the nature of an addition to the laboratory. Interior finish will be

of pine. Both buildings will be connected with the central heating system of the present hospital. Exteriors will be covered with cement plaster. Plans are complete and figures are now being taken. Bids will be opened on June 19th. Plans and specifications can be secured from the Constructing Quartermaster's office at Fort Mason. An official proposals appears in another column of this issue.

HOTELS

OAKLAND, CAL.—Hotel and office, 3 story and base, brick. Cost not stated. Architect, John J. Donovan, Security Bldg., Oakland. Owners, City of Oakland. Plans and specifications for the municipal building which is to be erected in the wood yard on the north side of 8th street between Harrison and Alice streets, have been completed and are now out for figures. The main floor will contain the office of the Municipal Wood Yard, dining room and kitchen. Upper floor will be arranged for sleeping rooms. Interior finish will be of pine. There will be a central heating system and a hot water circulating system. Bath rooms will be finished in cement plaster. Exterior of the building will be faced with pressed brick. Bids will be opened on June 9th at 11 a. m. Plans and specifications can be secured from the architect.

RESIDENCES.

SAN FRANCISCO — Residence, 2 story and base, frame, \$3,000. Architects, Rhodes & Marisch, 3376 16th street, S. F. Owner, D. J. Clancy, 2884 Folsom street. The dwelling will be erected on the west side of 23rd avenue, north of Anza, and has been designed to contain seven rooms, bath and garage. Interior will be finished in pine with some elm panels. Hardwood floors will be used in the living room, dining room and reception hall. There will be furnace heat and open fire places. Mantels will be of tile. Bath room will be finished in tile. An automatic water heater will be installed. Exterior of the dwelling will be covered with rustic and cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor.

SAN FRANCISCO — Residence, 1 story and base, frame, \$2,500. Architect, none. Owner, Mr. Thompson, 550 Fremont street, S. F. The dwelling will be erected on the east side of 24th avenue, south of Ulloa, and has been designed to contain six rooms and bath. Interior will be finished in pine, with some white enamel. Hardwood floors will be used in the living room and dining room. There will be an open fire place with tile or brick mantel. Tile wainscot will be used in the bath room. An automatic water heater is specified. Exterior of the building will be covered with rustic. Plans are complete and in the hands of the owner who will do the work by Day Labor.

SAN FRANCISCO—Residences, 3, 2 story and base, frame, \$2,500 each. Architect, none. Owner, F. Nelson, 30 Presidio Terrace, S. F. These dwellings will be erected on the west side of 28th avenue, south of Lincoln Way,

and have been designed to contain five rooms and bath. Interiors will be finished in pine and redwood. Some elm panels will be used. Hardwood floors will be used in the living room, dining room and reception hall. There will be open fire places and tile or brick mantels. Tile wainscot will be used in the bath rooms. Automatic water heaters will be installed. Exteriors will be covered with rustic, shingles and cement plaster. Plans are complete and in the hands of the owner who will do the work by Day Labor.

FRESNO, FRESNO CO., CAL.—Residence, 1 story and base, frame, \$2,000. Architect, none. Owner, O. N. Leathers, 3251 Illinois street, Fresno. The dwelling will be erected in Arlington Heights, and has been designed for a six-room house. Interior will be finished in pine and redwood. Some hardwood floors will be used. There will be an open fire place in the living room with tile or brick mantel. Exterior of the dwelling will be covered with rustic. Plans are complete and the work will be done by Day Labor.

FRESNO, FRESNO CO., CAL.—Residence, 1 story and base, frame, \$2,000. Architect, none. Owner, H. H. Schenk, 790 T street, Fresno. The dwelling will be erected in Arlington Heights and has been designed to contain six rooms, bath and sleeping porch. Interior finish will be of pine and redwood. Some hardwood floors will be used. There will be an open fire place with tile or brick mantel. Bath rooms will have tile wainscot. An automatic water heater will be installed. Exterior of the dwelling will be covered with rustic and cement plaster. Plans are complete and in the hands of the owner who will do the work by Day Labor.

SAN FRANCISCO — Residence, 2 story and base, frame, \$3,000. Architects, Koenig & Christiansen, Humboldt Bank Bldg., S. F. Owner, Ernest B. Erickson. The building will be erected on the south side of Caselli west of Douglas, and has been designed to contain six rooms, bath and sleeping porch. Interior will be finished in pine with some white enamel in the bed rooms. Hardwood floors will be used in the living room, dining room and reception hall. There will be furnace heat and an open fire place. Mantel will be of tile or brick. Tile wainscot will be used in the bath room. An automatic water heater is specified. Exterior of the dwelling will be covered with rustic and cement plaster on metal lath. Plans are complete and sub-figures are being taken. The work will be done by Day Labor.

SAN FRANCISCO — Residence, 2 story and base, frame, \$2,000. Architect, none. Owner, Thomas M. Jones, 37 Guerrero street. The dwelling will be erected on the west side of 23rd avenue north of Anza, and has been designed for a five-room house with bath. Interior finish will be of pine and redwood. Some oak floors will be used. There will be a large open fire place in the living room with a tile or brick mantel. Imitation tile wainscot will be used in the bath room. Exterior of the house will be covered with rustic and cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the

work by Day Labor. Materials are now being purchased.

SAN FRANCISCO — Residence, 2 story and base, frame, \$3,000. Architects, Koenig & Christiansen, Humboldt Bank Bldg., S. F. Owner, William Koenig, 750 Parnassus avenue. The dwelling will be erected at the southwest corner of Irving and 15th avenue, and has been designed for a six-room house with bath and sleeping porch. Interior will be finished in pine and redwood, with some elm panels and white enamel. Hardwood floors will be used in the principal rooms. There will be furnace heat and open fire places. Mantels will be of tile or brick. Tile wainscot will be used in the bath room. An automatic water heater will be installed. Exterior of the house will be covered with rustic and cement plaster on metal lath. Plans are complete and sub-figures are being taken. The work will be done by Day Labor.

PIEDMONT, ALAMEDA CO., CAL.—Residence, 1 story and base, reinforced concrete and steel, \$50,000. Architect, C. W. Dicky, Central Bank Bldg., Oakland. Owner, Miss Julia Alexander. The dwelling will be erected in Piedmont, and has been designed to contain a large number of rooms, several baths, sleeping porches and conservatory. A separate garage will also be erected on the property. Interior of the dwelling will be finished in pine, hardwood and white enamel. Hardwood floors will be used throughout. There will be a central heating system, either hot air or hot water heat, open fire places, vacuum cleaning and high grade plumbing. Bath rooms will be finished in tile. Exterior of both the dwelling and garage will be faced with cement plaster. Plans are now being prepared. Further mention will be made of the work when bids are called for.

FRESNO, FRESNO CO., CAL.—Residence, 1 story and base, frame, \$3,000. Architect, none. Owner, N. Semper. The dwelling has been designed for a six-room house with bath. Interior will be finished in pine and redwood. There will be hardwood floors in the living room, dining room and reception hall. Plans provide for furnace heat and open fire places. Mantels will be of tile or brick. Tile wainscot will be used in the bath room. An automatic water heater will be installed. Exterior of the dwelling will be covered with rustic and cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor.

SAN FRANCISCO — Residence, 2 story and base, frame, \$10,000. Architect, Joseph A. Leonard, 85 Cerritos avenue, S. F. Owners, Urban Realty Co. The dwelling will be erected on the north side of Mercedes avenue near Junipero Sierra Boulevard, and has been designed for a ten-room house with three baths and sleeping porches. Interior finish will be of pine, hardwood and white enamel. Hardwood floors will be used in the living room, dining room, library and reception hall. There will be a central heating system and open fire places. Mantels will be of tile and brick. Vacuum cleaning and a hot water circulating system are also specified. Bath rooms will be finished in tile. Exte-

rior of the dwelling will be covered with cement plaster on metal lath. A separate garage will be erected on the property. Plans are complete and the work will be done by Day Labor under the direction of the architect.

SAN FRANCISCO — Residence, 2 story and base, frame, \$2,500. Architect, none. Owners, Oscar Heyman & Bros., 742 Market street, S. F. The dwelling has been designed for a six-room house with bath and sleeping porch and will be erected on Balboa street east of 45th avenue. Interior finish will be of pine and redwood. Hardwood floors will be used in the principal rooms. There will be an open fire place and tile or brick mantel. Bath room will have tile wainscot. An automatic water heater will be installed. Exterior of the dwelling will be covered with rustic and cement plaster on metal lath. Plans are complete and in the hands of the owners who will do the work by Day Labor. Materials are now being purchased.

SAN FRANCISCO — Residence, 2 story and base, frame, \$2,500. Architect, none. Owner, Thomas M. Jones, 37 Guerrero street, S. F. The dwelling will contain five rooms and bath, and will be erected on the west side of 23rd avenue north of Anza. Interior will be finished in pine and redwood. Some hardwood floors will be used. There will be an open fire place and tile or brick mantel. Tile wainscot will be used in the bath room. An automatic water heater will be installed. Exterior of the house will be covered with rustic and cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor.

Contracts Awarded

SAN FRANCISCO—Residences, 3, 2 story and base, frame. Cost not stated. Architect, O. R. Thayer, 20 Montgomery street, S. F. Owner, M. McCann. Contractor, Edward Schroder, 765 Folsom street. Contract price not stated.

ALTADENA, LOS ANGELES CO., CAL.—Residence, 2 story and base, frame, \$15,000. Architect, none. Owner, Dr. Whitney Waterman, 840 North Michigan avenue, Pasadena. Contractor, E. A. Wyman, 139 Franklin street, Pasadena. Contract price, \$15,000.

PASADENA, LOS ANGELES CO., CAL.—Residence, 2 story and base, frame. Cost not stated. Architect, S. O. Clements, 1620 Shatto street, L. A. Owner, Robert P. Flint. Contractor, Thomas C. Marlowe, Story Bldg., L. A. Contract price not stated.

SCHOOLS.

SACRAMENTO, CAL.—Schools, 1 and 2 story, frame and concrete. Cost as follows. Architect, State Architect, George B. McDougall, Sacramento. Owners, State of California. At the last meeting of the Advisory Board of the State Department of Engineering, official approval of plans and specifications for improvements at the various state schools were given. Six new buildings to cost \$31,500 are to be erected at the Preston School of Industry. These plans were approved and bids will be called for shortly. The San Francisco State Normal School

will undergo extensive alteration, the amount of \$12,000 having been appropriated for this work. At the Chico State Normal School a new power house will be constructed of the reinforced concrete type at a cost of \$2,500. Further mention of this work will be made when official bids are advertised.

NEWARK, ALAMEDA CO., CAL.—School, 1 story and base, frame, \$16,000. Architect, Fred D. Wolfe, 1st National Bank Bldg., San Jose. Owners, Newark School District. This work was previously reported with another architect's name, but after a meeting of the local trustees, their decision in the selection of plans was reversed, and Mr. Wolfe was selected as the architect. The building will contain a number of standard size class rooms and auditorium. Interior will be finished in pine, with maple floors in the class rooms. There will be a central heating system, modern school plumbing and vacuum cleaning. Exterior of the building will be faced with cement plaster on metal lath. Plans are now being prepared and figures will be called for shortly.

BERKELEY, ALAMEDA CO., CAL.—School, 2 story and base. Class C construction, \$100,000. Architects, Hobart & Cheney, Crocker Bldg., S. F. Owners, City of Berkeley. The building will be erected at the corner of Ward and Telegraph avenue, and has been designed to contain twelve class rooms, a large auditorium, library and department of manual training and domestic science. Interior finish will be of pine throughout. Maple floors will be used in the class rooms and auditorium. A central heating system, steam heat, and an oil burning plant will be installed. Plans provide for modern school plumbing, vacuum cleaning and program clocks. Exterior of the building will be faced with pressed brick trimmed with terra cotta. A clay tile roof will be used. Plans are complete and figures are now being taken. Bids will be opened on June 15th at 10 a. m. Plans and specifications can be secured from the office of the architects.

MONMOUTH, ORE.—School, 2 story and base, brick, \$50,000. Architect, John V. Bennes, Chamber of Commerce Bldg., Portland. Owners, Monmouth School District. Other than the fact that an architect has been selected to prepare plans, no details have been given out. It is generally understood the building will contain ten class rooms and an assembly hall. Further mention will be made of the work when bids are called for.

WARRENTON, ORE. — School, 2 story and base, frame, \$18,000. Architects, Tourtellotte & Hummel, Rothchild Bldg., Portland. Owners, City of Warrenton. The building will cover an area of 120 by 70 feet, and has been designed to contain ten class rooms and an auditorium having a seating capacity of 500. Interior will be finished in pine. Maple floors will be used in the class rooms. A separate building has been designed to contain a gymnasium. There will be steam heat, modern school plumbing and program clocks. Exterior of the building will be faced with cement plaster on metal lath. Plans are complete and figures are now being taken,

PORTLAND, ORE.—School group, 1 2 and 3 story, brick, \$100,000. Architects, Doyle & Patterson, Worcester Bldg., Portland. Owners, St. Helens Hall. Tentative sketches for a group of buildings to be placed in St. Helens Hall, the Episcopal school for girls, recently destroyed by fire, have been prepared. The group includes a one-story chapel, a two-story school building and a three-story dormitory. The exterior of all structures will probably be faced with red pressed brick, although nothing definite has been decided upon. A site for the proposed buildings will be selected at an early date. Working drawings will be ordered at once. Further mention will be made of this work.

BERKELEY, ALAMEDA CO., CAL.—College dormitory, 4 story and base, Class A construction, \$1,000,000. Architect, John Galen Howard, Atlas Bldg., S. F. Owners, Regents of the University of California. Architect John Galen Howard has a large force working on the drawings for the North Hall, a four-story and basement steel and granite building to be erected on the campus of the University of California. The building will cost in the neighborhood of \$1,000,000. Bids will be called for in about a month. Further mention will be made of the work at that time.

PORTERVILLE, TULARE CO., CAL.—School, 1 story and base, brick. Cost not stated. Architect, F. W. Griffin, Porterville. Owners, Worth School District. The building has been designed to contain four class rooms. Interior will be finished in pine with maple floors in the class rooms. There will be a central heating system and modern school plumbing. Exterior of the building will be faced with stock brick. Plans are being prepared.

LOS ANGELES, CAL. — School, 2 story and base, brick, \$45,000. Architects, Withey & Davis, Story Bldg., L. A. Owners, City of Los Angeles. The building will be erected at the corner of University avenue and Rowan, and has been designed to contain eight class rooms, an auditorium and departments of domestic science and manual training. Interior will be finished in pine with maple floors in the class rooms. There will be steam heat, vacuum cleaning, modern school plumbing and program clocks. Exterior of the building will be faced with pressed brick. Plans are complete and out for figures. Bids will be opened by the Board of Education on June 17th. Plans and specifications can be secured from the secretary of the Board of Education in the Security Bldg., L. A.

PORTLAND, ORE.—School, 1 story and base, brick and frame, \$100,000. Architect, F. A. Naramore, Supt. of School Properties, Portland. Owners, City of Portland. The building will be known as unit A of the Franklin School, and will be erected at the corner of 54th and Division streets. Besides the class rooms, departments of domestic science, manual training and an auditorium, there will be a swimming tank and play room. Interior finish will be of pine with maple floors in the class rooms. There will be steam heat, an oil burning plant, modern school plumbing, vacuum cleaning and program clocks. Exterior of the building will be faced with pressed

brick and cement plaster. Plans are complete and are out for figures. Bids will be opened on June 17th. Separate bids are being taken for the general construction and for the heating, plumbing and electric work.

Contracts Awarded

SACRAMENTO, CAL.—School, 1 story, frame, \$2,393. Architect, none. Owners, Dillard School District. Contractors, Lucas & Frates, Sacramento. Contract price, \$2,393.

BAKERSFIELD, KERN CO., CAL.—School, 1 story and base, frame, \$5,715. Architect, Thomas B. Wiseman, Producers' National Bank Bldg., Bakersfield. Owners, Panama School District. Contractors, Curry & Dyigar, Bakersfield. Contract price, \$5,715.

FAIR OAKS, SACRAMENTO, CO., CAL.—School, 1 story and base, hollow tile, \$32,364. Architects, Sellon & Bailey, Sacramento. Owners, Fair Oaks School District. Contractors, Campbell & Turner, 326 Ochsner Bldg., Sacramento. Contract price, \$32,364.

LOS ANGELES, CAL.—School, 2 story and base, brick, \$37,618. Architect, C. F. Skilling, Garland Bldg., L. A. Owners, City of Los Angeles. Contractors, Somers-Lund Co., Security Bldg., L. A. Contract price, \$37,618.

LOS ANGELES, CAL.—School, 2 story and base, brick, \$23,200. Architects, Kysor & Biggar, Wright and Callender Bldg., L. A. Owners, City of Los Angeles. Contractors, The Merchants' Realty and Investment Co., Van Nuys Bldg., L. A. Contract price, \$23,200.

LOS ANGELES, CAL.—School, 1 story and base, concrete and frame, \$15,795. Architect, Frank L. Stiff, Van Nuys Bldg., L. A. Owners, City of Los Angeles. Contractor, Edward Arnaelstein, 613 East Washington street, L. A. Contract price, \$15,795.

SEWERS, STREET WORK & WATER SYSTEMS.

CALIFORNIA—State Highway work. Cost not stated. Engineer, State Highway Commission, Forum Bldg., Sacramento. Owners, State of California. Bids were opened at the last meeting of the State Highway Commission for highway construction in Tulare County, Monterey County, Colusa County and Humboldt County. A complete list of the bids submitted will be found under the heading of San Francisco in this issue.

RICHMOND, CONTRA COSTA CO., CAL.—Street paving and sewers. Cost not stated. Engineer, City Engineer, Richmond. Owners, City of Richmond. Plans for a sewer and for the paving of Laurel avenue in this city have been completed by the City Engineer and will be adopted by the City Council at their next meeting, when bids on the work will be called for.

RICHMOND, CONTRA COSTA CO., CAL.—Street paving. Cost not stated. Engineer, City Engineer, Richmond. Owners, City of Richmond. On request of R. H. Curry, plans and specifications for the paving of five blocks of South Tenth street with bitulithic and crushed rock have been ordered prepared by the Council and will be submitted at their next meeting.

SANTA ROSA, SONOMA CO., CAL.—Crushed rock and fuel oil. Cost not stated. Engineer, City Engineer, Santa Rosa. Owners, City of Santa Rosa.

The City Clerk has been directed to advertise for bids for 3,000 cubic yards of crushed rock and for fuel oil for the paving plant.

FULLERTON, ORANGE CO., CAL.—Street work. Cost not stated. Engineer, City Engineer Renshaw, Fullerton. Owners, City of Fullerton. Plans for the construction of the Brea Road were approved at the last meeting of the City Trustees and specifications on the work were ordered published and bids called for.

SACRAMENTO, CAL.—Street paving, gutters, etc. Cost not stated. Engineer, City Engineer, Sacramento. Owners, City of Sacramento. Bids will be opened on June 17th for the following street work: Improvement of Clark avenue from the southerly line of J street to the northerly line of Schuyler alley, by the construction of curbs, gutters, iron stone vitrified sewer pipe drains. Plans and specifications can be secured from the City Clerk's office.

HILLSBOROUGH, SAN MATEO CO., CAL.—Sewer work, etc. Cost not stated. Engineer, City Engineer, Hillsborough. Owners, City of Hillsborough. At the last meeting of the Trustees the installation of an eight-inch sewer over San Mateo Creek at Baywood avenue was ordered. It was also ordered that 1500 feet of guard rails be placed along the Crystal Springs road.

Contracts Awarded

SANTA ROSA, SONOMA CO., CAL.—Street paving. Cost as follows. Engineer, City Engineer, Santa Rosa. Owners, City of Santa Rosa. Contractors, City Street Improvement Co., S. F. Contract price 15½¢ per square foot.

RICHMOND, CONTRA COSTA CO., CAL.—Street paving, \$90,000. Engineer, City Engineer, Richmond. Owners, City of Richmond. Contractors, Ransome-Crummey Co., Oakland. Contract price, \$90,000. Note: This contract was formerly awarded to G. W. Cushing but has been transferred.

SACRAMENTO, CAL.—Street paving. Cost not stated. Engineer, City Engineer, Sacramento. Owners, City of Sacramento. Contractors, McGilivray Construction Co., 1007 7th street, Sacramento. Contract price not stated.

SAN LUIS OBISPO, SAN LUIS OBISPO CO., CAL.—Reservoir, earth and concrete. Cost not stated. Engineer's name not given. Owners, Producers' Transportation Co. Contractors, Allison & Cole, San Francisco. Contract price not stated.

BAKERSFIELD, KERN CO., CAL.—Oil reservoir, reinforced concrete. Cost not stated. Engineer's name not given. Owners, Associated Oil Co. Contractors, Van Sant-Houghton Co., Hooker-Lent Bldg., S. F. Contract price not stated.

STORES AND OFFICES.

SAN FRANCISCO—Stores and offices, 2 story and base. Class C construction. Cost not stated. Architect, David C. Coleman, Merchants' National Bank Bldg., S. F. Owners, San Francisco Investment Co., Clunie Bldg., S. F. The building will be erected on the north side of California street east of Leidesdorff, having a frontage of 30 feet and a depth of 124 feet. There will be a

store on the first floor and modern offices on the upper floor. Interior finish will be of pine and hardwood, with some ornamental plaster. Patent store fronts will be used. There will be hardwood floors. Steam heat is specified. Exterior of the building will be faced with pressed brick trimmed with terra cotta. Plans are now being prepared.

SAN FRANCISCO—Stores and lofts, 4 story and base. Class C construction. Cost not stated. Architects, MacDonald & MacDonald, Holbrook Bldg., S. F. Owner, J. C. Zellerbach. The building will be erected on the east side of Sansome street south of California. There will be stores on the first floor and light lofts and offices on the upper floors. Interior will be finished in pine and hardwood. There will be steam heat, modern plumbing and a freight elevator. Metal window sash and frames are specified. Exterior of the building will be faced with pressed brick. Only the foundation work will be done at this time. Plans are complete and figures will be called for at once.

SAN FRANCISCO—Market, 1 story and base, reinforced concrete. Cost not stated. Architect's name withheld. Owners, McCreedy Estate, leased to H. M. Webster Co., First National Bank Bldg., S. F. The building will be erected at the southeast corner of 8th and Market streets, covering an area of 500 by 100 feet. While details of construction have not been made public, it is stated by the lessees that the building will be the most modern market structure in the west, and that it will be finished entirely in tile and marble. Included in the work will be vacuum cleaning and refrigerating systems. Exterior will probably be faced with white enamel, brick or tile. Further mention will be made of the work when plans are complete.

PALO ALTO, SANTA CLARA CO., CAL.—Store alteration and addition: Class C construction. Cost not stated. Architect, Henry Shermund, Mills Bldg., S. F. Owners; Thoits Estate, Palo Alto. The Thoits Building, adjoining the Frazer Department Store has been leased to the latter and will undergo extensive alterations. Included in the work will be new store fronts, marble work, plastering, hardwood interior finish, electric work, painting and plumbing. Plans are complete and figures will be taken at once.

LOS ANGELES, CAL.—Stores and offices, 2 story and base. Class B construction, \$25,000. Architect, Albert C. Martin, Higgins Bldg., L. A. Owner, Madeline Wills. The building will cover an area of 65 by 165 feet, and has been leased to The Desmonds. The first floor will be arranged for stores. Upper floor will contain offices. Interior will be finished in pine and hardwood. There will be steam heat and modern electric work and plumbing. Patent store fronts are specified. Exterior of the building will be faced with pressed brick. Plans are complete and figures are now being taken.

SEATTLE, WASH.—Stores and printing house, 4 story and base, reinforced concrete, \$50,000. Architects, Bebb & Gould, Benny Bldg., Seattle. Owners, Puget Sound News Co. The building will be erected at the corner of Second and Virginia streets, covering an area

of 48 feet by 108 feet. Interior of the first floor will be finished for the offices of the owners. Upper floors will contain reportorial rooms and mechanical equipment. Interior finish will be of pine and hardwoods. There will be freight and passenger elevators, metal window sash and frames, steam heat and hot water system. Patent store fronts are specified. Marble and tile wainscot will be used. Exterior of the building will be faced with terra cotta. Plans are now being prepared.

THEATRES.

VALLEJO, SOLANO CO., CAL.—Theatre and stores, 2 story and base, reinforced concrete, 35,000. Architect, B. J. Joseph, New Call Bldg., S. F. Owner, Albert Bernheim. The building will be erected on Georgia street west of Marin, and will cover a large ground area. Besides the theatre the first floor will contain a number of stores. Upper floor will be arranged for offices. Interior of the theatre will be finished in ornamental plaster. Pine trim will be used. There will be steam heat and vacuum cleaning. Special electric work and sheet metal work is called for in the theatre. Patent store fronts are specified. Exterior of the building will be faced with cement plaster. Plans are complete and figures are being taken.

SEALED PROPOSALS

PROPOSALS FOR REFRIGERATORS.

REFRIGERATING EQUIPMENT—United States Marine Hospital, Port Townsend, Wash., Custodian's Office.—Sealed proposals will be received at this office until **3 p. m. June 22, 1915**, and then publicly opened, for a mechanically-cooled refrigerator, refrigerating machine and ice-making compartment at this building, in accordance with specification, copies of which may be obtained upon application. _____, custodian.

PROPOSALS FOR CANAL SUPPLIES.

PANAMA CANAL CIRCULAR NO. 931—Office of the General Purchasing Officer, Panama Canal, Washington, D. C.—Sealed proposals will be received here until **June 12, 1915**, for the annual estimate of lubricating oils and greases, including valve oil, air compressor cylinder oil, marine engine oil, stationary engine oil, locomotive engine oil, car oil, non-liquid oil, greases and gasoline for the fiscal year ending June 30, 1916. For further information address **F. C. BOGGS**, Major, Corps of Engineers, U. S. Army, General Purchasing Officer.

PROPOSALS FOR CEMENT.

CEMENT—Office of the Quartermaster, U. S. Army, San Francisco, Cal.—Sealed proposals will be received here until **June 10, 1915**, for furnishing 12,000 barrels cement. Information on application. **W. H. HART**, Depot Quartermaster.

PROPOSALS FOR SUBMARINES.

SUBMARINES—Proposals for constructing by contract sixteen submarine boats, Nos. 62-77, will be received at the Navy Department until **12 o'clock noon August 2, 1915**, when they will be publicly opened. Circulars for the information of bidders and general specifications for the construction of said vessels are ready for distribution among prospective bidders. Forms of proposal and contract may be had on application to the department. **FRANK-**

LIN D. ROOSEVELT, Acting Secretary of the Navy.

PROPOSALS FOR REFRIGERATORS.

REFRIGERATORS, ETC.—Treasury Department, Office of the Supervising Architect, Washington, D. C.—Sealed proposals will be received here until **June 22, 1915**, for installing in the Port Townsend, Wash., post office, mechanically-cooled refrigerators, refrigeration machine and ice-making compartment. For further information address the supervising architect.

PROPOSALS FOR CEMENT.

CEMENT—Depot Quartermaster's Office, Seattle, Wash.—Proposals will be received here until **9 a. m. June 10, 1915**, for furnishing and delivering at Seattle, Wash., or Honolulu, H. T., 12,000 barrels of American Portland cement. Information on application. **GEORGE B. DAVIS**, Colonel, Quartermaster Corps.

STEEL HIGHWAY BRIDGE.

PROPOSALS FOR STEEL HIGHWAY BRIDGE ACROSS THE COLORADO RIVER.—Department of the Interior, Office of Indian Affairs, Washington, D. C.—Sealed proposals plainly marked on the outside of sealed envelope, "Proposals for steel highway bridge across the Colorado River near Topcock, Arizona," and addressed to the Commissioner of Indian Affairs, Washington, D. C., will be received at the Indian Office until **2:00 P. M., June 19, 1915**, for furnishing materials and labor for the construction of a steel highway bridge across the Colorado River at or near Topcock, Arizona, in strict accordance with plans, specifications, and instructions to bidders, which may be examined at the office of the paper or periodical in which this advertisement appears, at United States Indian warehouses at Chicago, Illinois, St. Louis, Missouri, and at the office of the Superintendent of the Fort Mojave School, post office address, Mojave City, Arizona. For further information apply to the Superintendent of Fort Mojave School. **CATO SELLS**, Commissioner.

NOTICE TO CONTRACTORS.

OFFICE CONSTRUCTING QUARTERMASTER, Fort Mason, Cal.—SEALED PROPOSALS will be received here until **11:00 A. M., June 19, 1915**, and then opened for constructing a concrete ward at Letterman General Hospital, also and addition to laboratory. Further information on application. (*)

INVITATION FOR PROPOSALS.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., June 1, 1915.—Sealed proposals will be opened in this office at **3 p. m. July 7, 1915**, for the completion of the Second story of the United States Subtreasury at San Francisco, California. Drawings and specifications may be obtained from **J. Milton Dyer**, 825 Cuyahoga Building, Cleveland, Ohio; from **J. W. Roberts**, Supervising Superintendent of Construction, 403 Post Office and Court House Building, San Francisco or at this office, at the discretion of the Acting Supervising Architect, **JAS. A. WETMORE**, Acting Supervising Architect (*)

PROPOSALS FOR CANAL SUPPLIES.

PANAMA CANAL CIRCULAR 930—Proposals for Steel Shapes and Plates, Cold Rolled Steel, Steel and Iron Castings, Wrought Iron and Steel Pipe, Bolts, Boat Spikes, Turnbuckles, Wire Netting, Steel Wire, Anchors, Chain, Ship Augurs and Bits, Matlocks, Wheelbarrows, Throttle Valves, Water Closets, Laundry Soap, Gasoline, Paper, and Lumber.—Sealed proposals will be received at the office of the general purchasing officer, the Panama Canal, Washington, D. C., until **10:30 a. m. June 11, 1915**, at which time they will be opened in public, for furnishing the

above mentioned articles. Blanks and general information relating to this circular (No. 930) may be obtained from this office or the office of the assistant purchasing agent, Fort Mason, Cal.; also from the U. S. engineer offices in the following cities: Seattle, Wash.; Los Angeles, Cal. **F. C. BOGGS**, Major, Corps of Engineers, U. S. Army, General Purchasing Officer.

PROPOSALS FOR CANAL SUPPLIES.

PANAMA CIRCULAR 929—Proposals for Hay.—Sealed proposals will be received at the office of the General Purchasing Officer, the Panama Canal, Washington, D. C., until **10:30 a. m. June 14, 1915**, at which time they will be opened in public, for furnishing the above mentioned articles. Blanks and general information relating to this circular (No. 929) may be obtained from this office or the office of the assistant purchasing agent, Fort Mason, Cal.; also from the U. S. engineer offices in the following cities: Seattle, Wash.; Los Angeles, Cal. **F. C. BOGGS**, Major, Corps of Engineers, U. S. Army, General Purchasing Officer.

PROPOSALS FOR CANAL SUPPLIES.

PANAMA CANAL CIRCULAR NO. 931—Office of the General Purchasing Officer, Panama Canal, Washington, D. C.—Sealed proposals will be received here until **June 12, 1915**, for the annual estimate of lubricating oils and greases, including valve oil, air compressor, cylinder oil, marine engine oil, stationary engine oil, non-liquid oil, greases and gasoline for the fiscal year ending June 30, 1916. For further information address **F. C. BOGGS**, Major, Corps of Engineers, U. S. Army, General Purchasing Officer.

PROPOSALS FOR OIL BURNING PLANT.

OIL BURNING PLANT—Treasury Department, Supervising Architect's Office, Washington, D. C.—Sealed proposals will be opened in this office at **3 p. m. June 24, 1915**, for an oil burning plant for heating boilers in the U. S. marine hospital at Port Townsend, Wash., in accordance with specification and drawing, copies of which may be obtained at this office or at the office of the custodian at Port Townsend, Wash., in the discretion of the Supervising Architect. **JOSEPH A. WETMORE**, Acting Supervising Architect.

PROPOSALS FOR BUILDING.

BUILDING—Fort Stevens, Ore.—Sealed proposals, in triplicate, will be received here until **2 p. m. June 10, 1915**, and then opened, for constructing storehouse here. Information furnished on application to quartermaster.

PROPOSALS FOR CONCRETE AND EXCAVATING.

CONCRETE AND EXCAVATION—Department of the Interior, U. S. Reclamation Service, Washington, D. C.—Sealed proposals will be received at the office of the United States Reclamation Service, Provo, Utah, until **2 o'clock p. m. June 16, 1915**, for construction, involving about 25,000 cubic yards of canal excavation and about 2,600 cubic yards of reinforced concrete. The work is located near Payson City, Utah, on the San Pedro, Los Angeles and Salt Lake Railroad and the Titanic Branch of the Denver and Rio Grande Railroad. For particulars address the United States Reclamation Service, Provo, Utah, or Washington, D. C. **A. P. DAVIS**, Chief Engineer.

NOTICE TO CONTRACTORS.

OFFICE OF THE SUPERVISING SUPERINTENDENT OF CONSTRUCTION, Room 403, U. S. Post Office Bldg., San Francisco, California, May 20, 1915.—SEALED PROPOSALS will be received at this office until **12 o'clock M. on the 22nd Day of June, 1915**, and then

publicly opened for New Boiler, an Extension of Boiler House, at the U. S. Marine Hospital Station, San Francisco, California, in accordance with the drawing and specification, copies of which may be had upon application at this office, or the office of the Custodian of the Station.

J. W. ROBERTS,
Superintendent. (*)

PROPOSAL FOR MECHANICAL EQUIPMENT.

PROPOSAL FOR MECHANICAL EQUIPMENT. Office of Constructing Quartermaster, Fort Mason, Cal.—SEALED PROPOSALS, will be received here until 11:00 A. M., June 15, 1915, and then opened for furnishing wood and metal working machinery. Further information on application. (*)

PROPOSALS.

OFFICE OF THE BOARD OF PUBLIC Works of the City and County of San Francisco.

Sealed proposals will be received at this office between the hours of 2 o'clock p. m. and 3 o'clock p. m. on Wednesday, the 16th day of June, 1915, for doing the following work, including the furnishing of the necessary labor and materials therefor, to wit:

Vault Work of the City Hall.

Progressive payments will be made.

Said work must be done in accordance with the specifications on file in the office of the Board of Public Works.

The amount of bond for faithful performance of contract has been fixed at \$5,500.00.

All proposals offered must be accompanied by a check, certified by a responsible bank, payable to the order of the Clerk of the Supervisors, for an amount not less than ten per cent of the aggregate of the proposal.

Printed proposals forms will be furnished gratuitously upon application at the office of the Architect, and all proposals must be made upon such forms.

The Board of Public Works reserves the right to reject any and all bids.

By order of the Board of Public Works.
F. J. CHURCHILL,
Secretary.

PROPOSALS.

OFFICE OF THE BOARD OF PUBLIC Works of the City and County of San Francisco.

Sealed proposals will be received at this office between the hours of 2 o'clock p. m. and 3 o'clock p. m. on Wednesday, the 9th day of June, 1915, for doing the following work, including the furnishing of the necessary labor and materials therefor, to wit:

Painting Work of the City Hall.

Progressive payments will be made.

Said work must be done in accordance with the specifications on file in the office of the Board of Public Works.

The amount of bond for faithful performance of contract has been fixed at \$5,000.00.

All proposals offered must be accompanied by a check, certified by a responsible bank, payable to the order of the Clerk of the Supervisors, for an amount not less than ten per cent of the aggregate of the proposal.

Printed proposals forms will be furnished gratuitously upon application at the office of the Architect, and all proposals must be made upon such forms.

The Board of Public Works reserves the right to reject any and all bids.

By order of the Board of Public Works.
F. J. CHURCHILL,
Secretary.

PROPOSALS FOR ELECTRIC WORK.

WIRING—Treasury Department, Office of the Supervising Architect, Washington, D. C.—Sealed proposals will be opened in this office at 3 p. m. June 10 1915, for a conduit and wiring system in the United States mint at San Francisco, Cal., in accordance with drawings and specifications, copies of which may be had at this office or at the office of the custodian, San Fran-

cisco, Cal., in the discretion of the supervising architect. JAMES A. WETMORE, acting supervising architect.

City Bids Opened

General Construction of Nine-Story Detention Home and Other Important Work Attracts Many Bidders.

An exceptional number of bids were opened at the regular Wednesday afternoon meeting of the Board of Public Works. Included in this work was the general construction of the Juvenile Detention Home, a nine-story Class "A" structure, designed by Architect Louis Christen Mullgardt, Chronicle Bldg., foundation work, structural steel, plumbing, heating and ventilating, electric work and elevator work on the same. Also general construction of the Nurses' Home at the Isolation Hospital and for the refrigerating plant in the same. Bids opened for construction of a sewer in Fifth street from Howard to Brannan show Edward O'Malley, Foxcroft Bldg., low at \$59,400. Following is a complete list of the bids as opened:

General Construction, Detention Home.	
Western Building Co.	\$133,000
Clinton Fireproofing Co.	93,640
Lange & Bergstrom.	109,924
E. F. Thurston.	114,900
Lindgren & Co.	102,441
W. E. Dawson.	105,823
T. W. McClenahan.	105,472
W. D. Henderson.	103,856
D. O. Church Co.	115,483
M. Fisher.	113,000
H. L. Peterson.	107,850
C. L. Wold.	104,517
F. M. Garden & Co.	121,000
Pacific Contracting Co.	91,325
A. Kohn.	103,300
C. C. Caldwell.	113,786

Foundation Work, Detention Home.

Barrett & Hilp	\$5,553
Clinton Fireproofing Co.	5,590
Lange & Bergstrom	6,789
Contra Costa Const. Co.	6,500
Carnahan & Mulford	5,086
Peerless Oil Co.	6,500
W. E. Dawson	6,383
John Spargo	4,400
T. W. McClenahan	4,817
D. O. Church Co.	5,285
H. L. Peterson	4,973
W. D. Henderson	5,372
C. C. Caldwell	6,232
E. Carlson	5,480
D. Dillon	6,750
A. P. Brady	5,473
C. L. Wold	4,790
A. L. Field	5,974

Structural Steel, Detention Home.

Western Iron Works	\$31,632
Pacific Rolling Mills	31,777
Dyer Bros.	31,350
Ralston Iron Works	33,081
Milliken Bros.	34,400
Golden Gate Iron Works	32,000

Plumbing, Detention Home.

Turner Co.	\$14,900
Robert Dalziel, Jr.	16,250
A. Lettich	16,805
Kiernan & O'Brien	16,818
G. W. Snook	14,984
Burnham Plumbing Co.	18,295
Scott Co.	15,385
Wittman-Lyman Co.	15,594
J. M. Lettich	18,600

Peterson-James Co.	15,476
H. Lawson	14,350
A. Coleman	15,793
J. E. O'Mara	15,955

Heating and Ventilating, Detention Home.

Robert Dalziel Jr.	\$4,329
A. Lettich	4,911
Turner Co.	4,227
Kiernan & O'Brien	4,577
Atlas Heating & Ventilating Co.	3,990
Burnham Plumbing Co.	4,900
Scott Co.	4,170
Wittman-Lyman Co.	4,494
H. Lawson	4,700
Peterson-James Co.	4,300
Pacific Fire Extinguisher Co.	4,733
J. E. O'Mara	4,144

Electric work, Detention Home.

Turner Co.	\$4,197
McFell Electric Co.	3,734
Pacific Fire Extinguisher Co.	4,310
General Electric Constr. Co.	3,870
Butte Eng. & Elec. Co.	4,185
H. S. Tittle.	4,060
Rex Electric Co.	3,635
Decker Electric Constr. Co.	4,257
F. E. Newberry Elec. Con. Co.	3,820

Elevator, Detention Home.

Pacific-Gurney Elevator Co.	\$6,895
Otis Elevator Co.	5,885

General Construction, Nurses' Home.

S. D. O'Neill	\$8,772	\$8,532
W. D. Henderson	7,545	7,225
Church & Clark	8,695	175
W. A. Newsom	6,700	6,425
Dunnivant-Oakley Co.	6,944	300
Fairfield & Mason	8,022	7,782
O. Monson	8,220	7,975
H. E. Routh	7,770	7,450
J. Conlon	7,862	7,572
Neil A. MacLean Co.	6,588	.....
J. J. Johnson	8,529	8,289
E. Carlson	7,390	7,150
F. Jones	7,325	7,080

Refrigerators, Isolation Hospital.

Marshall-Stevens	\$1,314
Cyclops Iron Works	1,648
T. O. Jarvis	1,490
Vulcan Iron Works	1,489
Automatic Refrigerator Co.	1,576
Turner Co.	1,980
De Laval Dairy Supply Co.	1,620
United Iron Works	1,870

There has been a general meeting of the opponents of the non-partisanship bill. In other words those who wish to elect a governor on the basis of what his stand is on national affairs, are determined that the standard upon which a man is to be elected is not the one in which he is to show efficiency as a public servant. The old prejudices are to be appealed to, the parties of our dads is to control our votes even in local affairs where there is no reason at all for their existence.

Of course, the only people who profit by blind partisanship are the politicians. They are the ones who use the party spirit for their own purpose. And it is a way by which the privileged classes have wrested from the people the real control of their institutions. The time is not far distant when this control will be wrested from them throughout the union.

NON-RESPONSIBILITY.

June 5, 1915—N FRANCISCO, 175 W Franklin W 25xN 137-6. Louie Giannini as to improvements on leased property.

ADVANCE NEWS

Classified according to Location

SAN FRANCISCO.

JUVENILE DETENTION HOME—9 story and base. Class A construction. \$150,000. San Francisco. Architect, Louis C. Mullgardt, Chronicle Bldg., S. F. Owners, City and County of San Francisco. Bids opened for the various parts of this work by the Board of Public Works at their last Wednesday meeting show the following firms low: General construction, the Pacific Contracting Co., \$91,325. Foundation work, John Spargo, \$4,400. Structural steel, Dyer Bros., \$31,350. Plumbing, H. Lawson, \$14,350. Heating and ventilating, Atlas Heating and Ventilating Co., \$3,990. Electric work, Rex Electric Co., \$3,635. Elevator work, Otis Elevator Co., \$5,885. No contracts have been awarded. A complete list of the bids on this work will be found under the heading of San Francisco in this issue.

WAREHOUSE AND OIL PUMPING STATION—2, 1 story, steel and concrete. Cost not stated. San Francisco. Engineer, Engineering Department Shell Oil Co., 343 Sansome street, S. F. Owners, Shell Oil Co. Contractors, Gutleben Bros., New Call Bldg., S. F. Contract price not stated. This same firm of contractors has been awarded the contract for the construction of two similar buildings to be erected in Sacramento.

FLATS—2, 2 story and base, frame, \$5,000 each. San Francisco. Architect, none. Owner, H. C. Keenan, 300 Webster street, S. F. These buildings will be erected on the east side of 17th avenue north of California street, each having a frontage of 25 feet and a depth of 61 feet. There will be two modern flats of five and six rooms in each of the buildings. Interiors will be finished in pine with some elm panels. Hardwood floors will be used in the living room, dining room and reception hall. There will be open fire places and tile or brick mantels. Tile wainscot will be used in the bath rooms. Plans provide for automatic water heaters. Exterior of the building will be faced with rustic and cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor. Materials are now being purchased.

NURSES' HOME—1 story, frame and plaster, \$9,000. San Francisco. Architect, City Department of Architecture, Temporary City Hall, S. F. Owners, City and County of San Francisco. Bids were opened at the last Wednesday meeting of the Board of Public Works for the general construction of the Nurses' Home at the Isolation Hospital. At the same time figures were opened for furnishing and installing the refrigerators at the Isolation Hospital. The lowest bid received for the construction of the nurses' home was that of Neil A. MacLean Co. on proposition No. 1 at \$6,588. The Marshall-Stevens Co. submitted the lowest fig-

ure for the refrigerator at \$1,314. No contract has been awarded. A complete list of the bids received will be found under the heading of San Francisco in this issue.

RESIDENCE—2 story and base, frame, \$3,000. San Francisco. Architects, Rhodes & Marisch, 3376 16th street, S. F. Owner, D. J. Clancy, 2884 Folsom street. The dwelling will be erected on the west side of 23rd avenue north of Anza, and has been designed to contain seven rooms, bath and garage. Interior will be finished in pine with some elm panels. Hardwood floors will be used in the living room, dining room and reception hall. There will be furnace heat and open fire places. Mantels will be of tile. Bath room will be finished in tile. An automatic water heater will be installed. Exterior of the dwelling will be covered with rustic and cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor.

RESIDENCE—1 story and base, frame, \$2,500. San Francisco. Architect, none. Owner, Mr. Thompson, 550 Fremont street, S. F. The dwelling will be erected on the east side of 24th avenue south of Ulloa, and has been designed to contain six rooms and bath. Interior will be finished in pine with some white enamel. Hardwood floors will be used in the living room and dining room. There will be an open fire place with tile or brick mantel. Tile wainscot will be used in the bath room. An automatic water heater is specified. Exterior of the building will be covered with rustic. Plans are complete and in the hands of the owner who will do the work by Day Labor.

RESIDENCES—3, 2 story and base, frame, \$2,500 each. San Francisco. Architect, none. Owner, F. Nelson, 30 Presidio Terrace, S. F. These dwellings will be erected on the west side of 28th avenue south of Lincoln Way, and have been designed to contain five rooms and bath. Interiors will be finished in pine and redwood. Some elm panels will be used. Hardwood floors will be used in the living rooms, dining rooms and reception halls. There will be open fire places and tile or brick mantels. Tile wainscot will be used in the bath rooms. Automatic water heaters will be installed. Exteriors will be covered with rustic, shingles and cement plaster. Plans are complete and in the hands of the owner who will do the work by Day Labor.

APARTMENT HOUSE—3 story and base, brick, \$45,000. San Francisco. Architects, Koenig & Christiansen, Humboldt Bank Bldg, S. F. Owner's name withheld. The building will be erected on the south side of Turk street east of Hyde, and has been designed to contain a total of 32 suites, arranged in two and three rooms. All apartments will have wall beds and

private bath rooms. Interior finish will be of pine with some hardwood veneer. Hardwood floors will be used in the principal rooms. Plans provide for steam heat, a hot water circulating system and dumb waiters. An oil burning equipment will be installed. Bath rooms will have tile wainscot and floors. Marble and tile wainscot will be used in the entrance vestibule. Exterior of the building will be faced with pressed brick trimmed with terra cotta. Segregated figures will be taken, starting this week.

APARTMENT HOUSE—3 story and base, frame, \$15,000. San Francisco. Architect, Edward E. Young, 251 Kearny street, S. F. Owner, James Gantley, 1370 Green street. The building will be erected on the south side of Sacramento street west of Jones, and will have a frontage of 27-6 by 76-6. There will be a total of six apartments of three and four rooms. The basement will be fitted up for a garage. All apartments will have wall beds and private bath rooms. Interior finish will be of pine and red gum and elm panels with hardwood floors. There will be steam heat and a hot water supply. Reversible windows are specified. Bath rooms will have tile floors and wainscot. Exterior of the building will be faced with rustic and cement plaster on metal lath. Plans are complete and figures will be called for shortly.

FLATS—2 story and base, frame, \$2,500. San Francisco. Architect, none. Owners, E. Dahl and G. E. Cruden, 1848 Hayes street. The building will be erected on the east side of 28th, north of Geary, and has been designed to contain two modern flats of four and five rooms. Interior finish will be of pine throughout. Hardwood floors will be used in the living and dining rooms. There will be an open fire place in each living room. Mantel will be of tile or brick. Tile wainscot will be used in the bath rooms. Automatic water heaters will be installed. Exterior of the building will be faced with brick veneer and rustic. Plans are complete and in the hands of the owners who will do the work by Day Labor.

HOSPITAL—2, 1 story, reinforced concrete. Cost not stated. San Francisco. Architect, Constructing Quartermaster, Fort Mason. Owners, United States Government. Two one-story additions will be made to the Government General Hospital at the Presidio of San Francisco. One of the buildings will be designed for a ward, while the other will be in the nature of an addition to the laboratory. Interior finish will be of pine. Both buildings will be connected with the central heating system of the present hospital. Exteriors will be covered with cement plaster. Plans are complete and figures are now being taken. Bids will be opened on June 19th. Plans and specifications can be secured from the Constructing Quartermaster's office at Fort Mason. An official proposal ap-

pears in another column of this issue.

RESIDENCE—2 story and base, frame, \$3,000. San Francisco. Architects, Koenig & Christiansen, Humboldt Bank Bldg., S. F. Owner, Ernest B. Erickson. The building will be erected on the south side of Caselli, west of Douglas, and has been designed to contain six rooms, bath and sleeping porch. Interior will be finished in pine with some white enamel in the bed rooms. Hardwood floors will be used in the living room, dining room and reception hall. There will be furnace heat and an open fire place. Mantels will be of tile or brick. Tile wainscot will be used in the bath room. An automatic water heater is specified. Exterior of the dwelling will be covered with rustic and cement plaster on metal lath. Plans are complete and sub-figures are being taken. The work will be done by Day Labor.

RESIDENCE—2 story and base, frame, \$2,000. San Francisco. Architect, none. Owner, Thomas M. Jones, 37 Guerrero street. The dwelling will be erected on the west side of 23rd avenue north of Anza, and has been designed for a five-room house with bath. Interior finish will be of pine and redwood. Some oak floors will be used. There will be a large open fire place in the living room with a tile or brick mantel. Imitation tile wainscot will be used in the bath room. Exterior of the house will be covered with rustic and cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor. Materials are now being purchased.

RESIDENCE—2 story and base, frame, \$3,000. San Francisco. Architects, Koenig & Christiansen, Humboldt Bank Bldg. Owner, William Koenig, 750 Parnassus. The dwelling will be erected at the southwest corner of Irving and 15th avenue, and has been designed for a six-room house with bath and sleeping porch. Interior will be finished in pine and redwood, with some elm panels and white enamel. Hardwood floors will be used in the principal rooms. There will be furnace heat and open fire places. Mantels will be of tile or brick. Tile wainscot will be used in the bath room. An automatic water heater will be installed. Exterior of the house will be covered with rustic and cement plaster on metal lath. Plans are complete and sub-figures are being taken. The work will be done by Day Labor.

BRIDGE—Steel bascule, \$120,000. San Francisco. Engineer, City Department of Engineering, Temporary City Hall, S. F. Owners, City and County of San Francisco. The bridge will be erected over Channel street at Fourth. The span will be 75 feet. Piers will be of reinforced concrete. The roadway will be paved with asphalt. Plans are complete and figures are now being taken. Bids will be opened by the Board of Public Works on June 23rd.

BRIDGE—Steel and concrete. Cost not stated. Topcock, Ariz. Engineer, Department of Indian Affairs, Washington, D. C. Owners, United States Government. Plans have been completed for a large steel bridge to be erected over the Colorado River near Topcock. Bids will be opened on June 19th. Plans and specifications can be secured from the office of the Depart-

ment of Indian Affairs at Washington or from the Indian Warehouses in San Francisco. An official proposal appears in another column of this issue.

SUBTREASURY COMPLETION—Class A construction. Cost not stated. San Francisco. Architect, Milton J. Dyer, Cuyahoga Bldg., Cleveland, Ohio. Owners, United States Government. Plans have been completed for the completion of the second floor of the Subtreasury Building, and figures are now being taken. The work includes mechanical equipment. Bids will be opened on July 7th. Plans and specifications can be secured from the office of the architect. An official proposal appears in another column of this issue.

OIL TANK—Steel. Cost not stated. San Francisco. Engineer, Depot Quartermaster, Transport Docks, S. F. Owners, United States Government. The Depot Quartermaster at the Government Transport Docks is now taking figures for furnishing and erecting a 2,000 barrel oil tank at Transport Dock No. 3. The tank will be 31 feet 3 inches in diameter and 14 feet 9 inches high and will rest on a concrete foundation. Full particulars can be secured by addressing the Depot Quartermaster.

RESIDENCE—2 story and base, frame, \$10,000. San Francisco. Architect, Joseph A. Leonard, 85 Cerritos avenue, S. F. Owners, Urban Realty Co. The dwelling will be erected on the north side of Mercedes avenue near Junipero Sierra Boulevard, and has been designed for a ten-room house with three baths and sleeping porches. Interior finish will be of pine, hardwood and white enamel. Hardwood floors will be used in the living room, dining room, library and reception hall. There will be a central heating system and open fire places. Mantels will be of tile and brick. Vacuum cleaning and a hot water circulating system are also specified. Bath rooms will be finished in tile. Exterior of the dwelling will be covered with cement plaster on metal lath. A separate garage will be erected on the property. Plans are complete and the work will be done by Day Labor under the direction of the architect.

RESIDENCE—2 story and base, frame, \$2,500. San Francisco. Architect, none. Owners, Oscar Heyman & Bros., 742 Market street, S. F. The dwelling has been designed for a six-room house with bath and sleeping porch and will be erected on Balboa street east of 45th avenue. Interior finish will be of pine and redwood. Hardwood floors will be used in the principal rooms. There will be an open fire place and tile or brick mantel. Bath room will have tile wainscot. An automatic water heater will be installed. Exterior of the dwelling will be covered with rustic and cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor. Materials are now being purchased.

RESIDENCE—2 story and base, frame, \$2,500. San Francisco. Architect, none. Owner, Thomas M. Jones, 37 Guerrero street, S. F. The dwelling will contain five rooms and bath, and will be erected on the west side of 23rd avenue north of Anza. Interior will be finished in pine and redwood. Some hardwood floors will be used. There will be an open fire place and

tile or brick mantel. Tile wainscot will be used in the bath room. An automatic water heater will be installed. Exterior of the house will be covered with rustic and cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor.

STORES AND OFFICES—2 story and base. Class C construction. Cost not stated. San Francisco. Architect, David C. Coleman, Merchants' National Bank Bldg., S. F. Owners, San Francisco Investment Co., Clunie Bldg., S. F. The building will be erected on the north side of California street east of Leidesdorff, having a frontage of 30 feet and a depth of 124 feet. There will be a store on the first floor and modern offices on the upper floor. Interior finish will be of pine and hardwood with some ornamental plaster. Patent store fronts will be used. There will be hardwood floors. Steam heat is specified. Exterior of the building will be faced with pressed brick trimmed with terra cotta. Plans are now being prepared.

STORES AND LOFTS—4 story and base. Class C construction. Cost not stated. San Francisco. Architects, MacDonald & MacDonald, Holbrook Bldg., S. F. Owner, J. C. Zellerbach. The building will be erected on the east side of Sansome street, south of California. There will be stores on the first floor and light lofts and offices on the upper floors. Interior will be finished in pine and hardwood. There will be steam heat, modern plumbing and a freight elevator. Metal window sash and frames are specified. Exterior of the building will be faced with pressed brick. Only the foundation work will be done at this time. Plans are complete and figures will be called for at once.

MARKET—1 story and base, reinforced concrete. Cost not stated. San Francisco. Architect's name withheld. Owners, McCreedy Estate, leased to H. M. Webster Co., First National Bank Bldg., S. F. The building will be erected at the southeast corner of Eighth and Market streets, covering an area of 500 by 100 feet. While details of construction have not been made public, it is stated by the lessees that the building will be the most modern market structure in the west, and that it will be finished entirely in tile and marble. Included in the work will be vacuum cleaning and refrigerating system. Exterior will probably be faced with white enamel, brick or tile. Further mention will be made of the work when plans are complete.

SAN FRANCISCO—Oil tank, steel. Cost not stated. Engineer, Depot Quartermaster, Transport Docks, S. F. Owners, United States Government. The Depot Quartermaster at the Government Transport Docks is now taking figures for furnishing and erecting a 2,000 barrel oil tank at Transport Dock No. 3. The tank will be 31 feet 3 inches in diameter and 14 feet 9 inches high, and will rest on a concrete foundation. Full particulars can be secured by addressing the Depot Quartermaster.

Contracts Awarded.

MACHINE SHOP—1 story and base, reinforced concrete. Cost not stated. San Francisco. Architect, John Ettler, Atlas Bldg., S. F. Owners, Hansen &

Bain, 244 Townsend street. Contractors, Segurson Bros., 308 Guerrero street, S. F. Contract price not stated.

RESIDENCES—3, 2 story and base, frame. Cost not stated. San Francisco. Architect, O. R. Thayer, 20 Montgomery street, S. F. Owner, M. McCann. Contractor, Edward Schroder, 765 Folsom street. Contract price not stated.

Building Contracts Awarded San Francisco

No.	Owner	Contractor	Amt.
1605	Haas	Orchard	500
1606	Levin	Christian	400
1607	Smith	Smith	2500
1608	Smith	Smith	2500
1609	Smith	Smith	2500
1610	Hill	Hill	3000
1611	Hill	Hill	3000
1612	Clift	Braun	3022
1614	Luttrell	Parkside	915
1615	Marty	Trost	6584
1613	Smith	Smith	7500
1616	Condon	Condon	2400
1617	Am Forge	Am Forge	1500
1618	St. Joseph's	Leonard	8000
1619	Hall	Cox	2000
1620	St. Joseph's	Leonard	5000
1621	Cal Bible	Owner	1500
1622	Solger	Little	5000
1623	Sorenson	Sorenson	4000
1624	Martin	Dunn	1000
1625	Dunn	Dunn	1900
1626	Gracimini	Deluca	1200
1627	Sylvia	Sylvia	2500
1628	Yates	Yates	4750
1629	Thompson	Thompson	2000
1630	Thumler	Ruegg	6118
1631	Hilder	Dulfer	7500
1632	Magee	Harbin	4380
1633	Barricks	Schley	3900
1634	Sens	Hamill	2960
1635	Morrega	McIntosh	2500
1636	Boyd	Grimes	4000
1637	Dooley	Dunning	2845
1638	Trefino	Terba	1300
1639	Baldwin	Trownson	1677
1640	Clancy	Clancy	3000
1641	Green	Miller	3500
1642	Gerard	Gerard	45000
1643	Burche	Brown	1260
1644	Com. of 100	Moore	4500
1645	Consani	Hofmeister	2000
1646	DuBois	Hjul	8000
1647	Guiot	Segale	6000
1648	Lehfeldt	Rough	4900
1649	Ruggiero	Amoroso	8000
1650	Weil	Carson	950
1651	Carberry	Higginson	8323
1652	Gillig	Leigh	4475
1653	Weil	Carson	—
1654	Morshhead	West	1273
1655	Loewe	Petersen	1345
1656	Same	Conlan	3797
1657	Ryan	Little	8350
1658	Guiot	Segale	6000
1659	Pahl	Rainey	475

BRICK BAKE OVEN

(1605) NO. 54 MINT AVE. Construct brick bake oven.

Owner.....Geo. Haas & Sons, Prem.

Architect...None.

Contractor...S. Orchard, 270 Grand View San Francisco.

COST, \$500

ALTERATIONS

(1606) NO. 75 PORTOLA. Alter for garage.

Owner.....M. Levin, Premises.

Architect...None.

Contractor...T. Christian, 520 Haight, San Francisco.

COST, \$400

FRAME DWELLING

(1607) N SAN YSABEL AVE 225 E San Jose Ave. Two-story and basement frame dwelling.

Owner.....Smith Bros., 35 Delano Ave., San Francisco.

Architect...None.

Day's Work. COST, \$2500

FRAME DWELLING

(1608) N SAN YSABEL AVE 200 E San Jose Ave. Two-story and basement frame dwelling.

Owner.....Smith Bros., 35 Delano Ave., San Francisco.

Architect...None.

Day's Work. COST, \$2500

FRAME DWELLING

(1609) N SAN YSABEL AVE 250 E San Jose Ave. Two-story and basement frame dwelling.

Owner.....Smith Bros., 35 Delano Ave., San Francisco.

Architect...None.

Day's Work. COST, \$2500

FRAME DWELLING

(1610) W ELEVENTH AVE 75 S Balboa. Two-story and basement frame dwelling.

Owner.....C. A. Hall, 1318 5th Ave., San Francisco.

Architect...None.

Day's work. COST, \$3000

FRAME DWELLING

(1611) W ELEVENTH AVE 50 S Balboa. Two-story and basement frame dwelling.

Owner.....C. A. Hall, 1318 5th Ave., San Francisco.

Architect...None.

Day's work. COST, \$3000

FILTERING PLANT

(1612) SE GEARY AND TAYLOR S 137-6xE 87-6. All work for water softener and filtering plant for hotel building.

Owner.....Clift Hotel Co., Premises.

Architect...Thos. Morrin, Phelan Bldg San Francisco.

Contractor...C. F. Braun & Co., 503 Market, San Francisco.

Filed May 29, '15. Dated May 22, '15.

When work is completed....	\$1250.00
30 days after completion....	200.00
60 days after acceptance....	200.00
90 days after acceptance....	200.00
120 days after acceptance....	200.00
150 days after acceptance....	200.00
180 days after acceptance....	200.00
210 days after acceptance....	200.00
240 days after acceptance....	200.00
270 days after acceptance....	172.50
TOTAL COST, \$3022.50	

Bond, \$1515. Surety, Aetna Accident & Liability Co. Limit, forfeit, none. Plans and specifications filed.

ALTERATIONS

(1614) E TWENTY-EIGHTH AVE 250 S Taraval S 25x120. Carpenter, painting, plumbing foundations, etc., for alterations and additions to residence

Owner.....Helen and Dorsey E. Luttrell, 2438 28th Ave., S. F.

Architect...C. C. Dakin.

Contractor...Parkside Home Bldg. Co., Crocker Bldg., S. F.

Filed June 1, '15. Dated May 28, '15.

Usual 35 days.....	315
Completed and accepted.....	\$600
TOTAL COST, \$915	

Bond, \$500. Sureties Wm. Trebell and L. V. Riddle. Limit, 40 days. Forfeit, \$1. Plans and specifications filed.

FLATS

(1615) E BARTLETT 90 N 26th N 40x E 117. All work for two-story and basement flats.

Owner.....Jules Marty, 3422 26th, San Francisco.

Architect...Fabre & Bearwald, 625 Market, San Francisco.

Contractor...Robert Trost, 26th and Howard, San Francisco.

Filed June 1, '15. Dated May 26, '15.

Frame up and roof on.....	\$1646
Brown coated and exterior enclosed.....	1646
Completed and accepted.....	1646
Usual 35 days.....	1646
TOTAL COST, \$6584	

Bond, \$3292. Sureties, Chas. A. Ganden and Geo. Holl. Limit, 75 days from filing. Forfeit, \$5. Plans and specifications filed.

FRAME BUILDINGS

(1613) N SAN YSABEL 225 E San Jose Ave; N San Ysabel 200 E San Jose Ave; N San Ysabel 250 E San Jose Ave. All work for three two-story frame buildings and garage.

Owner.....Wm. Smith.

Architect...None.

Contractor...Smith Bros., 35 Delano Ave., San Francisco.

Filed June 1, '15. Dated May 29, '15.

Day's work.....	
TOTAL COST, \$2500 each	

Bond, limit, forfeit, none. Plans and specifications filed.

FRAME DWELLING

(1616) W FORTY-SIXTH AVE 145 N Cabrillo. Two-story and basement frame dwelling.

Owner.....D. Condon, 4188 20th, S. F.

Architect...O. E. Evans, 2861 Mission, San Francisco.

Day's work. COST, \$2400

NOTE:—Frame up.

FRAME SHOP

(1617) NW CLEMENTINA & ECKER. One-story frame shop.

Owner.....American Forge Co., 25 Tehama, San Francisco.

Architect...V. M. Dalton, 68 Post, S. F.

Day's work. COST, \$1500

FRAME DWELLING

(1618) NE NEWHALL & BAY VIEW. One-story frame dwelling.

Owner.....St. Joseph's Roman Catholic Orphan Asylum, South San Francisco.

Architect...Shea & Lofquist, 742 Market, San Francisco.

Contractor...J. J. Leonard, Phelan Bldg San Francisco.

COST, \$8000

NOTE:—Job started.

FRAME FLATS

(1619) S EIGHTEENTH 25 W Clover. Two-story and basement frame (2) flats.

Owner.....Geo. W. Hall, 585 Castro, San Francisco.

Architect...E. A. Neumarkel, 521 Sharon Bldg., S. F.

Contractor...E. Cox, 1424 Valencia, San Francisco.

COST, \$2000

CONCRETE PASSAGE WAY

(1620) NE BAY VIEW & NEWHALL. Construct concrete passage way or corridor between two buildings.

Owner.....Mt. St. Joseph's Orphan Asylum, South San Francisco.

Architect...Shea & Lofquist, 742 Market, San Francisco.

Contractor..John Leonard, Phelan Bldg
San Francisco.

COST, \$5000

NOTE:—Job started.

CONCRETE FLOOR

(1621) NOS. 218-243 McALLISTER.
Cement floor, concrete 3 and 4 inches
thick.

Owner.....California Bible Society.

Architect...McDougall Bros., Russ
Bldg., San Francisco.

Day's work. COST, \$1500

FRAME STORES

(1622) SW NINTH AVE & MORAGA.

One-story frame (3) stores.

Owner.....T. Solger or Salger, 142 6th
San Francisco.

Architect...C. O. Clausen, Hearst Bldg
San Francisco.

Contractor..Wm. Little, 758 8th Ave.,
San Francisco.

COST, \$5000

NOTE:—Job started.

FRAME DWELLING

(1623) E DOUGLASS 135 N 17th. Two

story and basement frame dwlg.

Owner.....C. Sorenson, 67 Douglass,
San Francisco.

Architect...Rhodes & Marisch, 3327
16th, San Francisco.

Day's work. COST, \$4000

NOTE:—Interior finish being put on

ALTERATIONS

(1624) NO. 533 THIRTY-SEVENTH

Ave. New roof and alter dwelling.

Owner.....Mrs. E. E. Martin, Prem.

Architect...None.

Contractor..J. M. Dunn, 2630 Anza,
San Francisco.

COST, \$1000

FRAME DWELLING

(1625) W TWENTY-SEVENTH AVE

300 S Geary. One-story and base-
ment frame dwelling.

Owner.....Ernest E. Dunn, 2632 Anza
San Francisco.

Architect...None.

Day's work. COST, \$1900

RETAINING WALL

(1626) NW WARD AND SAN BRUNO.

Erect retaining wall.

Owner.....N. T. Gracomini, 3340 San
Bruno, San Francisco.

Architect...None.

Contractor..R. Deluca.

COST, \$1200

FRAME FLATS

(1627) W TWENTY-FIFTH AVE 225

S California. Two-story and base-
ment frame (2) flats.

Owner.....A. M. Sylvia, 371 30th Ave.,
San Francisco.

Architect...None.

Day's work. COST, \$2500

FRAME RESIDENCE

(1628) E SIXTEENTH AVE 284-7 N

Clement N 25xE 120. All work for
two-story frame residence.

Owner....Jeanette Yates, 335 21st
Ave., San Francisco.

Architect...None.

Contractor..Wm. F. Yates, 335 21st
Ave., San Francisco.

Filed June 2, '15. Dated May 23, '15.

Frame up and roof on.....\$1183.35

White coated 1183.35

Completed and accepted..... 1183.30

Usual 35 days..... 1200.00

TOTAL COST, \$4750.00

Bond, none. Limit, 120 days after May
10. Forfeit, none. Plans and specifica-
tions, none.

FRAME DWELLING

(1629) E TWENTY-FOURTH AVE 115

S Ulloa. One-story and basement
frame dwelling.

Owner.....Mr. Thompson, 550 Ver-
mont, San Francisco.

Architect...None.

Day's work. COST, \$2000

FRAME APARTMENTS

(1630) W ELEVENTH AVE 150 N

Irving 25x120. All work for two-
story frame apartments.

Owner.....H. W. & Jeannette Thum-
ler, Room 33, 117 Grant
Ave., San Francisco.

Architect...None.

Contractor..Ruegg Bros., Pacific Bldg.,
San Francisco.

Filed June 2, '15. Dated June 1, '15.

Frame up\$1529.50

Brown coated 1529.50

Completed 1529.50

Usual 35 days..... 1529.50

TOTAL COST, \$6118.00

Bond, none. Limit, 90 days. Forfeit,
none. Plans and specifications filed.

FRAME FLATS

(1631) E NINTH AVE 275 S Cabrillo

S 25xE 120. All work for three-
story and basement frame flats.

Owner.....Louis and Rose A. V.
Hilder, 687 3rd Ave., S. F.

Architect...None.

Contractor..W. F. Dulfer, 519 15th Ave
San Francisco.

Filed June 2, '15. Dated June 1, '15.

Four equal payments

Roof rafters are set.....

Brown coated

Completed and accepted.....

Usual 35 days.....

TOTAL COST, \$7500

Bond, \$3425. Sureties, Mrs. Hall Slo-
cumb and Mary A. Dulfer. Limit, 90
days after June 3, 1915. Forfeit, none.
Plans and specifications filed.

FRAME FLATS

(1632) S GEARY 57-6 E 25th Ave. All

work except finish hardware, gas and
electric fixtures, window shades and
letter boxes for two-story and base-
ment frame flats.

Owner.....Katherine Magee, 715 Wis-
consin, San Francisco.

Architect...None.

Contractor..J. Maloney and W. J. Har-
bin, 285 30th, S. F.

Filed June 2, '15. Dated June 2, '15.

Building roofed

Brown coated

Completed and accepted.....

Usual 35 days.....

TOTAL COST, \$4380

Bond, limit, forfeit, none. Plans and
specifications filed.

FRAME FLATS

(1633) W BELVEDERE 52 S 17th 25x

97. All work for two-story and
basement frame flats.

Owner....Catherine E. Barricks, 177½
Saturn, San Francisco.

Architect...None.

Contractor..Karl Schley, 1155 E-14th,
Oakland.

Filed June 2, '15. ated May 25, '15.

Frame up\$975

Exterior walls completed and

rough coat mortar on..... 975

Completed and accepted..... 975

Usual 35 days..... 975

TOTAL COST, \$3900

Bond, none. Limit, 75 days. Forfeit,
none. Plans and specifications filed.

FRAME RESIDENCE

(1634) E THIRTY-FIFTH AVE 95 N

Cabrillo N 25 E 120 S 20 W 12-6 x 5

W 107-6. All work for two-story

frame residence.

Owner.....Chas. B. and Beulah B.
Sens, 2348-A Fulton, S. F.

Architect...None.

Contractor..Thos. Hamill, 268 25th
Ave., San Francisco.

Filed June 2, '15. Dated May 29, '15.

Rough frame up and roof on....\$740

Brown coated 710

Completed and accepted..... 740

Usual 35 days..... 740

TOTAL COST, \$2960

Bond, none. Limit, 70 days. Forfeit,
none. Plans and specifications filed.

REPAIRS

(1635) NO. 1849 UNION. Repair fire
damage.

Owner.....Mr. Moregga, Premises.

Architect...None.

Contractor..Wm. McIntosh, 289 Cum-
berland, San Francisco.

COST, \$2500

ALTERATIONS

(1636) NW PINE AND BATTERY.

Alterations on 7th and 8th floors.

Owner.....Alexander Boyd Est., 356
Market, San Francisco.

Architect...None.

Contractor..Grimes & Drew, 116 Bat-
tery San Francisco.

COST, \$4000

ALTERATIONS

(1637) NO. 4524 GEARY. Raise, add

to and alter (2) flats.

Owner.....M. F. Dooley and wife,
Premises.

Architect...None.

Contractor..Richard Dunning, 429
Spruce, San Francisco.

COST, \$2845

FRAME DWELLING

(1638) S BROMPTON 150 W Chenery,

One-story and basement frame dwlg

Owner.....Jos. Trefino, 733 Chenery,
San Francisco.

Architect...None.

Contractor..V. Terba, 849 Vallejo,
S. F.

COST, \$1300

REPAIRS

(1639) SW FILLMORE AND ELLIS.

Repair fire damage.

Owner.....Baldwin & Howell, 818

Kearny, San Francisco.

Architect...None.

Contractor..J. Trounson, 121 5th, S. F.

COST, \$1677

FRAME DWELLING

(1640) W TWENTY-THIRD AVE 50 N

Anza. Two-story and basement
frame dwelling.

Owner.....D. J. Clancy, 2884 Folsom,
San Francisco.

Architect...Rhodes & Marish, 3372
16th, San Francisco.

Day's work. COST, \$3000

FRAME FLATS

(1641) E TWENTY-FIFTH AVE 100 N Clement. Two-story and basement frame (2) flats.

Owner.....John H. Green, 2503 Clement, San Francisco.

Architect...E. A. Knoep.

Contractor..W. A. Miller, 2503 Clement S. F. COST, \$3500

CLASS "C" HOTEL

(1642) E FOURTH 85 N Howard. Five story and basement Class "C" hotel.

Owner.....Gerard Investment Co., 110 Sutter, San Francisco.

Architect...Rousseau & Rousseau, 110 Sutter, San Francisco.

Day's work. COST, \$45,000

ALTERATIONS

(1643) NO. 1863 LAGUNA. Alter store Owner.....J. Burche, Premises.

Architect...None.

Contractor..Alex O. Brown, 163 24th, S. F. COST, \$1260

FRAME TABERNACLE

(1644) S VAN NESS AVE AND BUSH. One-story frame tabernacle.

Owner.....Committee of One Hundred Methodist Book Concern Bldg., S. F.

Architect...None.

Contractor..Moore & Burlingame, 110 Jessie, San Francisco. COST, \$4500

FRAME SHED

(1645) E STANYAN 150 S Haight. One-story frame wagon shed.

Owner.....R. Consani, 407 Baker, San Francisco.

Architect...None.

Contractor..Rohrmeister & Berdahl, 1214 2nd Ave., S. F. COST, \$2000

BRICK GARAGE

(1646) E SIXTEENTH 100 N Sanchez. One-story brick garage building.

Owner.....Mary DuBois, 613 Mechanic's Institute Bldg., San Francisco.

Architect...None.

Contractor..J. H. Hjul, Mechanics' Institute Bldg., S. F. COST, \$3000

FRAME FLATS

(1647) E STOCKTON 87 N Greenwich. Three-story and basement frame (3) flats.

Owner.....E. Guiot, 653 Greenwich, San Francisco.

Architect...Paul F. De Martini, 2123 Powell, San Francisco.

Contractor..L. Segale, 558 Greenwich, San Francisco. COST, \$6000

FRAME DWELLING

(1648) S PACHECO 245 W Alton. Two-story and basement frame dwlg.

Owner.....Henry A. Lehfeldt, Wells Fargo Bldg., S. F.

Architect...Herbert A. Schmidt, Royal Insurance Bldg., S. F.

Contractor..E. M. Reigh, Wells Fargo Bldg., San Francisco. COST, \$4900

FRAME TENEMENTS

(1649) E KEARNY 89-9 S Green. Three-story and basement frame (6) tenements.

Owner.....Biagio Ruggiero and G. Lucchese, 572 Vallejo, San Francisco.

Architect...None.

Contractor..F. A. Amoroso, 1246 Kearny, San Francisco. COST, \$8000

ALTERATIONS

(1650) NW DIVISADERO & JACKSON. All work except painting for alterations and additions to bldg.

Owner.....Florence G. Weil.

Architect...G. Albert Lansburgh, 709 Mission, San Francisco.

Contractor..Otto Carson & Co., 1461 Hyde, San Francisco.

Filed June 2, '15. Dated June 1, '15.

On completion 75% Usual 35 days..... 25%

TOTAL COST, \$950

Bond, \$475. Surety, Massachusetts Bonding & Insurance Co. Limit, 25 days. Forfeit, plans and specifications, none.

FRAME APARTMENTS

(1651) W OCTAVIA 60 S Oak W 77-6 N 30 E 77-6 — 30. All work for three-story and basement frame apartment building.

Owner.....Catherine A. Carberry, Mary J. Carberry Moreton and Celestine B. Carberry, 261 Octavia, S. F.

Architect...Rousseau & Rousseau, 110 Sutter, San Francisco.

Contractor..Higginson Co., Inc., Humboldt Bank Bldg., S. F.

Filed June 3, '15. Dated June 1, '15.

Frame up and roof on.....\$2050 Brown coated 2050

Completed and accepted..... 2173 Usual 35 days..... 2050

TOTAL COST, \$8323

Bond, \$4200. Sureties, J. H. McCallum and E. O. Benner. Limit, 90 days. Forfeit, none. Plans and specifications filed.

FRAME RESIDENCE

(1652) E FOURTH AVE 160 N Fulton N 31xE 120. All work for two-story and basement 8-room frame residence.

Owner.....Leo and A. M. Gillig, 538 17th Ave., San Francisco.

Designer...Arthur Gasque.

Contractor..Leigh & Schultz, 419 21st Ave., San Francisco.

Filed June 3, '15. Dated May 22, '15.

Walls up and roof on.....\$1120 Brown coated 1120

Completed and accepted..... 1115 Usual 35 days..... 1120

TOTAL COST, \$4475

Bond, none. Limit, 60 days. Forfeit, none. Plans and specifications filed.

ALTERATIONS

(1653) NW JACKSON & DIVISADERO Plans and specifications referred to in Contract filed June 2, 1915.

Owner.....A. L. and Florence G. Weil.

Architect...None.

Contractor..Otto Carson & Co., 709 Mission, San Francisco.

Filed June 3, '15. Dated —.

TOTAL COST, \$—— Bond, limit, forfeit, none. Plans and specifications filed.

DOORS, ETC.

(1654) NO. 1001 CALIFORNIA. Main entrance doors, sldels and transoms for first floor and basement

elevator doors, etc., for seven-story apartments.

Owner.....S. W. Morshead, Mills Bldg San Francisco.

Architect...Houghton Sawyer, Shreve Bldg., San Francisco.

Contractor..M. G. West Co., 353 Market, San Francisco.

Filed June 2, '15. Dated —.

On delivery 25% Completed and accepted..... 50%

Usual 35 days.....Balance TOTAL COST, \$1273

Bond, \$636.50. Surety, Royal Indemnity Co. Limit, forfeit, none. Plans and specifications filed.

FRAME FLATS

(1655) W DOLORES 51-6 S Jersey S 25xW 94. Grading, concrete foundations, reinforced concrete garage,

concrete steps, buttresses and concrete floors for two-story and basement frame flats.

Owner.....W. A. Loewe, 812 Guerrero, San Francisco.

Architect...Arthur T. Ehrenpfort, 251 Kearny, San Francisco.

Contractor..H. L. Petersen, 62 Post, San Francisco.

Filed June 4, '15. Dated June 2, '15.

Grading done and cribbing up..\$300 Concrete foundations done and

wall plates bolted down..... 600 Completed and accepted..... 105

36 days after..... 340 TOTAL COST, \$1345

Bond, \$700. Surety, The Aetna Accident & Liability Co. Limit, 30 days. Forfeit, \$4. Plans and specifications filed.

(1656) ALL WORK EXCEPT GRADING, concrete, plumbing, painting, electric work, gas radiators, gas fixture and shades on above.

Contractor..Jas. F. Conlan, 842 Guerrero, San Francisco.

Filed June 4, '15. Dated June 2, '15.

Rustic up and roof boards on..\$ 400 1st coat plaster on..... 1000

Completed and accepted..... 1447 36 days after..... 950

TOTAL COST, \$3797

Bond, \$1900. Sureties, Jas. E. Lennon and E. J. Conlan. Limit, 70 days. Forfeit, \$3. Plans and specifications filed.

ALTERATIONS

(1657) SE SACRAMENTO AND MAPLE S 102-8¼xE 34-6. Alterations and additions to make a frame building into apartments.

Owner.....Jas. Ryan, Sunnyvale, Santa Clara Co., Cal.

Architect...A. Reinhold Denke, Humboldt Bank Bldg., S. F.

Contractor..Wm. Little, 753 8th Ave., San Francisco.

Filed June 4, '15. Dated May 20, '15.

Rough frame of new addition up\$1565

Alterations ready for 1st coat plaster 1565

Exterior carpenter work done and 1-st coat plaster on..... 1565

Completed and accepted..... 1567 Usual 35 days..... 2088

TOTAL COST, \$8350

Bond, \$4175. Surety, United States Fidelity & Guaranty Co. Limit, 90 days. Forfeit, \$1. Plans and specifications filed.

FRAME FLATS

(1658) E STOCKTON 87-6 N Greenwich N 25xE 97-6. All work except

foundations, cement floors, mantels, shades, lighting fixtures for three-story and basement frame flats.

Owner.....Edw. Guiot, 653 Greenwich San Francisco.

Architect...Paul F. De Martini, 2123 Powell, San Francisco.

Contractor...Louis Segale, 558 Greenwich, San Francisco.

Filed June 4, '15. Dated May 21, '15.

Roof on\$1500

Brown coated 1500

Completed and accepted..... 1500

Usual 35 days..... 1500

TOTAL COST, \$6000

Bond, limit, forfeit, none. Plans and specifications, none.

NOTE:—1st report June 4, No. 1647.

UNDERPINNING, ETC.

(1659) NO. 729 HYDE. Underpinning, etc., of apartments.

Owner.....Mrs. Laura E. Pahl, 1201 Willard, San Francisco.

Architect...E. A. Neumarkel, Sharon Bldg., San Francisco.

Contractor...Wm. A. Rainey, 317 Clementina, San Francisco.

Filed June 4, '15. Dated June 4, '15.

Completed and accepted.....\$355

Usual 35 days..... 120

TOTAL COST, \$475

Bond, none. Limit, without delay. Forfeit, none. Plans and specifications, none.

INCORPORATIONS

Azores Mercantile Co. Capital Stock, \$50,000; subscribed, \$110; shares \$10 each. Directors—M. T. Freitas, J. T. Freitas, J. J. Silva, M. F. Cabral, M. C. Borges et al, 1 share each. Place of business, San Francisco.

Hotel Plaza Company. General hotel and restaurant business. Capital Stock, \$200,000; 2000 shares at \$100 each; amount subscribed, \$300. Place of business, San Francisco. Directors—J. C. Barker, L. R. Wiley and E. B. Jennings, 1 share each.

Industrial Terminal Railway Company. To operate railroads. Capital Stock, \$50,000; 500 shares at \$100 each; amount subscribed, \$5500. Place of business, San Francisco. Directors—L. E. Hanchett, E. W. Taylor, L. Smith, E. B. Carroll and G E Newlin.

BUILDING TOTALS FOR MAY.

Building operations throughout the City for the month of May, as shown by the record of building permits issued, amounted to \$947,115. This amount being for 478 permits.

The following is a complete report, as issued by the Building Department of the Board of Public Works:

Class	No. of Bldgs	Amt.
Class "A"	2	\$ 500.00
Class "B"	1	25,000.00
Class "C"	14	177,950.00
Frames	145	417,973.00
Alterations	313	118,492.00
Harbor work (bldgs)	1	49,200.00
Public Bldgs.	1	150,000.00
P. P. I. E. work	1	8,000.00
Total	478	\$947,115.00

The two Class "A" buildings mentioned are oil stations.

For the month of May, 1914, the Department issued 523 permits at an estimate of \$1,781,148.

ASSIGNMENT OF LIEN

May 29, 1915—S CARL 100 E Shrader 27xS 112-6. Francis E Teltz to D D Schindler

COMPLETION NOTICES.

San Francisco

May 29, 1915—E ELEVENTH AVE 100 S Balboa. C A Hall to whom it may concern.....May 28, 1915

May 29, 1915—LOT 15 BLK 17 Forest Hill. Martin Raggett to Higginson Co, Inc; Theo Wetzel & P Johnson

June 1, 1915—LOT 31 BLK 12 Crocker Amazon Tract. Matthew C Warnock to whom it may concern.....

.....May 29, 1915

June 1, 1915—E WEBSTER bet Sacramento and Clay. The Board of Trustees of the Leland Stanford Junior University to A H Wilhelm

.....May 28, 1915

June 1, 1915—S ARMY 103-2 W Castro W 25xS 114 F Monson to whom it may concern.....June 1, 1915

June 1, 1915—S POST 100 E Kearny E 74-10½ S 81-5 W 75-7½ W 105-6. Mechanics Institute, cpn to M G West Co.....May 28, 1915

June 1, 1915—N SUTTER 81 W Taylor W 137-6xS 56-6. Wm Hendrickson Jr, Tr Gaffney Est to Altas Heating & Ventilating Co....May 28, 1915

June 1, 1915—S ELLIS 137-6 W Jones W 82-6xS 137-6. Traders Realty Co to Stranahan & Son, June 1, 1915; S W Band, June 1, 1915; G P W Jensen

.....June 1, 1915

June 1, 1915—SE MISSION AND Twenty-second E 122-6xS 26-10½. Marion Leventritt to Oliver Duval & Son.....June 1, 1915

June 1, 1915—NW O'FARRELL AND Mason N 31-1x W50. D L Randolph to Frank A Wilkie.....June 1, 1915

June 1, 1915—N OAK 157-6 W Van Ness Ave W 89-9 N 120 E 68-9 — 40 E 21 S 80. The Young Men's Institute Hall Ass'n to Fennell & Wand.....May 21, 1915

June 2, 1915—W TWENTY-FIFTH Ave 200 S California 25x120. A M Sylvia to whom it may concern.....May —, 1915

June 2, 1915—N MISSION 25 W Mint Ave. McKillop Bros to H E Drake

.....May 26, 1915

June 2, 1915—N TWENTY-EIGHTH 57 E Noe E 26 N 114 W 20 S 25 W 6 S 89. Martin Hanson to whom it may concern.....June 1, 1915

June 2, 1915—E FIFTEENTH AVE 266-8 S Geary S 25-3½ E 110 m or 1 N 25-3½ m or 1 W 106 m or 1. James Welsh to James Welsh & Co

.....June 1, 1915

June 3, 1915—LOT 4 BLK 14, Crocker Amazon Tract. Jesse P and Julia Marie Jeter to O E Evans.....June 1, '15

June 3, 1915—SW FOLSOM AND Rodgers 152-6 on Folsom and 125 on Rodgers. Galland Mercantile Laundry to Macdonald & Kahn.....May 28, 1915

June 3, 1915—SE CORBETT AVE 28-2 SW S Mono (Moss Alley) SW 28-2 E 132 m or 1 to a pt on E line Lot 11 dist S 46-2½ N 22-7½ W 128 m or 1 being ptn Lot 11 Blk 4 Market Street Ass'n. James J Flaherty to H Kesler...May 29, 1915

June 3, 1915—SE GREENWICH AND

Hyde S 68-9xE 100. Greenwich Realty Co to Central Elec Co, June 2, 1915; H Maundrell....June 2, 1915

June 3, 1915—W TENTH AVE 75 S Balboa S 25xW 95. Oscar Lind to whom it may concern....June 3, 1915

June 3, 1915—LOT 23 BLK 23 Crocker Amazon Tract. Johan Knudsen to whom it may concern.....June 2, 1915

June 4, 1915—W LILAC 145 N 25th N 50xW 25. San Francisco Home Bldg Co to Edwin Anderson.....

.....June 2, 1915

June 4, 1915—LOT 1005, Gift Map No. 3. John H McCarthy to Al Langsley.....June 3, 1915

June 4, 1915—SW LYON & TONQUIN W 400 N 450 S 250. Panama-Pacific International Exposition Commission State of New York to Siebrecht & Son.....June 4, 1915

June 4, 1915—SE TWENTY-FOURTH Ave and Taraval 32-6x100, Parkside. Frank M Preece to whom it may concern.....June 4, 1915

June 4, 1915—SE CALIFORNIA AND Stockton S 68-9xW 117-6. Delmar Smith Clinton to Wm G Gilmour.....May 27, 1915

June 4, 1915—SE UNION AND LYON E 36-9½xS 30. Mary A Donahue to F De Martini & L Segale.....May 31, '15

LIENS FILED

SAN FRANCISCO COUNTY.

May 29, 1915—S LAKE 28-6 E 18th Ave E 25xS 84. Crescent Elec Co, 94; Henry Cowell Lime & Cement Co, \$70.85; Atlas Mortar Co, \$14.60; E Aigeltinger, Inc., \$14 vs Lloyd Burley Ham and McCausland Bros

May 29, 1915—S LAKE 28-6 E 18th Ave E 25xS 80. M W Farrell vs Lloyd Burley Ham.....\$145.10

May 29, 1915—W POWELL 91-3 N Post N 46-1xW 80. Bass-Heuter Paint Co vs J Sockolov.....\$225.80

June 2, 1915—W POWELL 91-3 N Post N 46-1xW 80. Bennett Bros vs Jos Sockolov.....\$769.48

June 2, 1915—W POWELL 91-3 N Post 46-1x80. Hindin & Zion vs J Sockolov\$162

June 1, 1915—W POWELL 91-3 N Post 46-1x80. San Francisco Lime Co, Inc vs Joseph Sockolov...\$465.55

June 1, 1915—S LAKE 28-6 E 18th Ave E 25xS 84. E A Howard & Co vs Lloyd Burley Ham and Frank and Geo V McCausland.....\$33

June 1, 1915—W EIGHTEENTH AVE 175 N Lake W 70 — 55.07 E to a pt on W 18th Ave 225 N Lake S to beg. California Elec Supply Co, \$28; P Lamanet and Geo Demattei, \$15; E E Gillon, \$7.76; Joseph Rohr, \$23.80 vs Mae E Green and The Harrison cpn

.....\$156.45

June 1, 1915—W MASON 27-6 S Ellis S 55xW 82-6. J H Kruse vs Peter F Dunne, Albert Hartman and N W Lewis and John Doe Kaiser (as Lewis & Kaiser).....\$156.45

June 1, 1915—W POWELL 91-3 N Post N 46-1xW 80. American Elec Eng Co, \$1326.60; Davis Hardwood Co, \$1275 vs J Sockolov.....

May 28, 1915—W POWELL 91-3 N Post N 46-1xW 80. Bay Development Co vs Joseph Sockolov...\$1275.53

May 29, 1915—S LAKE 26-6 E 18th Ave E 25xS 84. W H Raymond vs L B Ham and McCausland Bros...\$12

June 3, 1915—W POWELL 91-3 N Post N 46-1xW 80. Phoenix Side-

walk Light Co vs J Sockolov..\$87.25
June 3, 1915—S LOMBARD 138 W
Baker W 27-6xS 137-6. Hart-Wood
Lumber Co vs A Halstrom, Louis
Lacazette, Alexander and Nellie
Bond, R and Daniel A McColgan..
\$569.28
June 3, 1915—W EIGHTEENTH AVE
175 N Lake W 70 — 55.07 E to a pt
on W 18th Ave 225 N Lake S to beg.
Fred Radmer, \$110; Brown &
Cairns, \$174.50; The Tozer Co,
\$10.40 vs Mae E Green and The
Harrison Co
June 3, 1915—LOT 41 BLK 4 Lake-
view. Attilio Bin vs Frank and
Genevieve McCarthy and Joseph C
Stromswold\$50
June 3, 1915—W CASTRO 75 N 22nd
N 123-4xW 150. Mission Concrete
& Mosaic Co vs John B Woolfrey
and Louis B Harder.....\$1975
June 3, 1915—LOT 41 BLK 4 Lake-
view Tract. Geo T Wood vs
Frank B and Jane Doe McCarthy..
\$60.30
June 4, 1915—W POWELL 91-3 N
Post N 46-1xW 80. The Mohrlite
Co, \$1404.40; Arthur Brown, \$1021.10
vs J Sockolov.....

RELEASE OF LIENS

SAN FRANCISCO COUNTY.

May 29, 1915—CORTLAND AVE NO.
1018; Lot 551, Gift Map No. 2. Bell's
Wall Beds to John Bianchi.....
June 1, 1915—LOTS 551 AND 556 Gift
Map No. 2; Cor. Folsom and Cort-
land Ave; No. 1018 Cortland Ave.
Frank Horn to John Bianchi.....
June 2, 1915—N GEARY 112-6 W
Jones W 25xN 137-6. J R or John
Robert Ferguson to Florentina and
Wm Wankowski
June 2, 1915—SE FOLSOM & CORT-
land Ave S 43 E 70 N 87 m or 1
SW 83 m or 1. Rufus Sossions to
Giovanni Bianchi

LEASES.

May 29, 1915—NO. 1299 GOLDEN GATE
Ave. B I Berman to Crist Karanges
and Garry Lucas. 31 months. \$30
per month.
June 3, 1915—NW COLE AND HAIGHT
W 226xN 120; No. 1748 Haight. D
Hallahan and M J Getz and Auto-
matic Vaudeville Co to Park Lodge,
No. 499, F. & A. M. 5 years. \$4500
with option to renew.

ASSIGNMENT OF LIEN.

SAN FRANCISCO COUNTY.

May 29, 1915—S CARL 100 E Shrader
E 27xS 112-6. Frances E Teltz to
D D Schindler

OAKLAND AND ALAMEDA COUNTY

CHAPEL AND LIVING ROOMS—2
story, frame, \$7,000. Berkeley, Ala-
meda Co., Cal. Architect, Eugene K.
Martin, 2182 Shattuck avenue, Berke-
ley. Owners, Methodist Episcopal
Church of Berkeley. The building will
be erected at the northeast corner of
California and Derby streets. Besides
the chapel, which will have a seating
capacity of 300 people, the building
will contain living apartments for the
pastor. Interior finish will be of pine
with some hardwood veneer. There

will be a central heating system and
a hot water supply. Bath room will be
finished in tile. There will be an open
fire place with tile or brick mantel.
Exterior of the building will be cov-
ered with cement plaster. Plans are
complete and figures are now being
taken.

STORAGE BUILDING—1 story, steel
and hollow tile. Cost not stated. Em-
eryville, Alameda Co., Cal. Engineer,
L. S. Rosener, Merchants' Exchange
Bldg., S. F. Owners, Paraffine Paint
Co. The building has been designed
for one of the most modern warehouse
structures yet erected in Alameda
County. The structure will cover an
area of 140 by 140 feet. There will be
a complete steel frame and exterior
walls of hollow tile. A cement floor
will be used. Modern conveying equip-
ment and a large crane will be in-
stalled. The plans include modern
plumbing and electric work. Exterior
of the building will be faced with
terra cotta with struct joint. Plans
are complete and figures have been
taken.

HOTEL AND OFFICE—3 story and
base, brick. Cost not stated. Oakland,
Cal. Architect, J. J. Donovan, Security
Bldg., Oakland. Owners, City of Oak-
land. Plans and specifications for the
municipal building which is to be
erected in the wood yard on the north
side of 8th street, between Harrison
and Alice streets, have been completed
and are now out for figures. The main
floor will contain the office of the Mu-
nicipal Wood Yard, dining room and
kitchen. Upper floor will be arranged
for sleeping rooms. Interior finish will
be of pine. There will be a central
heating system and hot water circula-
ting system. Bath rooms will be fin-
ished in cement plaster. Exterior of
the building will be faced with pressed
brick. Bids will be opened on June
9th at 11 a. m. Plans and specifica-
tions can be secured from the archi-
tect.

RESIDENCE — 1 story and base,
reinforced concrete and steel, \$50,000.
Architect, C. W. Dickey, Central Bank
Bldg., Oakland. Owner, Miss Julia
Alexander. The dwelling will be erect-
ed in Piedmont, and has been designed
to contain a large number of rooms,
several baths and sleeping porches and
conservatory. A separate garage will
also be erected on the property. In-
terior of the dwelling will be finished
in pine, hardwood and white enamel.
Hardwood floors will be used through-
out. There will be a central heating
system, either hot air or hot water
heat, open fire places, vacuum clean-
ing and high grade plumbing. Bath
rooms will be finished in tile. Exter-
ior of both the dwelling and garage
will be faced with cement plaster.
Plans are now being prepared. Fur-
ther mention will be made of the work
when bids are called for.

SCHOOL—1 story and base, frame,
\$16,000. Newark, Alameda Co., Cal. Ar-
chitect, Fred D. Wolf, 1st National
Bank Bldg., San Jose. Owners, New-
ark School District. This work was
previously reported with another ar-
chitect's name, but after a meeting of
the local trustees, their decision in the
selection of plans was reversed, and
Mr. Wolfe was selected as the archi-
tect. The building will contain a num-
ber of standard size class rooms and
an auditorium. Interior will be fin-

ished in pine with maple floors in the
class rooms. There will be a central
heating system, modern school plumb-
ing and vacuum cleaning. Exterior
of the building will be faced with ce-
ment plaster on metal lath. Plans are
now being prepared and figures will
be called for shortly.

SCHOOL—2 story and base. Class C
construction, \$100,000. Berkeley, Ala-
meda Co., Cal. Architects, Hobart &
Cheney, Cröcker Bldg., S. F. Owners,
City of Berkeley. The building will
be erected at the corner of Ward and
Telegraph avenue, and has been de-
signed to contain twelve class rooms,
a large auditorium, library and de-
partments of manual training and do-
mestic science. Interior finish will be
of pine throughout. Maple floors will
be used in the class rooms and audi-
torium. A central heating system,
steam heat with an oil burning plant,
will be installed. Plans provide for
modern school plumbing, vacuum
cleaning and program clocks. Exterior
of the building will be faced with
pressed brick trimmed with terra cotta.
A clay tile roof will be used. Plans are
complete and figures are now being
taken. Bids will be opened on June
15th at 10 a. m. Plans and specifica-
tions can be secured from the office of
the architect.

CHURCH ADDITIONS AND ALTER-
ATIONS—Frame, \$4,000. Oakland, Cal.
Architect, J. W. Mullen, 2201 Ellsworth
street, Berkeley. Owners, Beth-Eden
Church. The present building located
on Filbert street between 7th and 8th
streets will undergo alterations. In-
cluded in the work will be new inter-
ior trim, plaster, electric work, art
glass and painting. Plans are com-
plete and figures are now being taken.

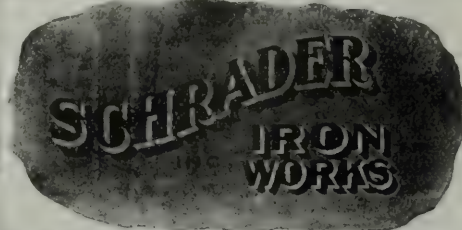
HALL OF RECORDS REPAIRS—
Cost not stated. Oakland, Cal. Ar-
chitect, none. Owners, Alameda Coun-
ty. Plans are complete and in the
hands of the County Clerk for paint-
ing, wiring, plumbing and carpentry
work to be done in the County Record-
er's office in the Hall of Records. Bids
are now being taken and will be open-
ed on June 14th. Plans and specifica-
tions can be had from the office of the
County Clerk.

COLLEGE DORMITORY — 4 story
and base. Class A construction, \$1,-
000,000. Berkeley, Alameda Co., Cal.
Achitect, John Galen Howard, Atlas
Bldg., S. F. Owners, Regents of the
University of California. Architect
John Galen Howard has a large force
working on the drawings for the North
Hall, a 4 story and basement steel and
granite building to be erected on the
campus at the University of California.
The building will cost in the neigh-
borhood of \$1,000,000. Bids will be
called for in about a month. Further
mention will be made of the work at
that time.

Building Contracts Awarded

Oakland.

No.	Owner	Contractor	Amt.
981	Assoc Oil	Owner	400
985	Blackman	Frances	500
986	Voltz	Kelly	400
988	Schulze	Corbett	550
989	Williams	Williams	600
993	Street	Schwartz	2000
994	Forrest	Peterson	8758
995	Episcopal Ch.....	Faulkes	550
996	Marcum	Woodard	2000
997	Anderson	Anderson	2000



Structural Steel Contractors

**Works at
HARRISON ST.,
bet. 8th & 9th
San Francisco**

Telephone Market 337

998	Edwards	Edwards	600
999	Callahan	Callahan	600
1000	Hudson	Hudson	500
1002	Merritt	Merritt	5000
1003	Evans	Doss	2700
1013	Freear	Nelson	3150
1014	Pacific Gas	Asbestos	795
1015	Boole	Boole	2000
1016	Allan	Allan	1600
1017	Chambers	Chambers	1750
1018	England	Owner	1300
1022	Williams	Ferguson	500
1023	Pardini	Maganini	1375
1024	McKay	Ferguson	400
1025	Howe	Harris	1575
1027	Sparks	Fish	1300
1028	Colonial	Ilis	400
1029	Andker	Bertelsen	500
1030	Holton	Holton	1000
1031	Friberg	Friberg	2500
1032	Murphy	Faulkes	1985
1033	Chan Fuen	Johnson	400
1034	Demery	Hambleton	450
1035	Christ Scient	Heyer	7800

STATION

(984) NE VERNON AND BAY PLACE,
Oakland. One-story service station.

Owner.....Associated Oil Co., 817
Sharon Bldg., S. F.

Architect...None.

Day's work. COST, \$400

DWELLING

(985) S E-TWELFTH 60 E High, Oak-
land. One-story 3-room dwelling.

Owner.....Blackman Wadsworth
Realty Co., 4241 E-14th,
Oakland.

Architect...None.

Contractor...E. O. Frances, 4305 E-12th,
Oakland.

COST, \$500

ALTERATIONS

(986) NO. 1033 SIXTY-SECOND, Oak-
land. Alterations.

Owner.....F. Voltz, Premises.

Architect...None.

Contractor...J. T. Kely, 6439 Herzog,
Oakland.

COST, \$400

ALTERATIONS

(988) NO. 383 TWELFTH, Oakland.
Alterations.

Owner.....A. H. Schutze, Premises.

Architect...None.

Contractor...Corbett & Bayless, 1110
Franklin, Oakland.

COST, \$550

ALTERATIONS

(989) NO. 1837 FORTY-FIRST AVE.,
Oakland. Alterations and repairs.

Owner.....F. J. McWilliams, 4081
Boulevard, Oakland.

Architect...None.

Day's work. COST, \$450

DWELLING

(993) N DELAWARE 321 E Peralta
Ave., Oakland. One story 5-room
dwelling.

Owner.....Mrs. Bessie Street, 3018
Delaware, Oakland.

Architect...None.

Contractor...C. S. Schwartz, Hayward.

COST, \$2000

FRAME DWELLING

(994) LOT 69 AND PTN LOT 70 on
Ardmore Ave, Crocker Highlands,
Oakland. All work for two-story and
basement frame dwelling.

Owner.....Thomas W. Forrest, Okd.

Architect...Schirmer, Bugbee & Co.,
Dalziel Bldg., Oakland.

Contractor...Alfred Peterson, Oakland.

Filed May 29, '15. Dated May 28, '15.

Frame up and rafters on....\$2189.50

Brown coated 2189.50

Completed 2189.50

Accepted (as recorded)..... 2190.00

TOTAL COST, \$8758.50

Bond, none. Limit, 100 days. Forfeit,
none. Plans and specifications filed.

CLUB HOUSE

(995) S PLYMOUTH 60 W 96th Ave.,
Oakland. One-story 3-room club
house.

Owner.....Episcopal Bishop of Cali-
fornia, 2515 Webster, S. F.

Architect...None.

Contractor...John R. Faulkes, 9828 E-
14th street, Oakland.

COST, \$550

DWELLING

(996) S SAN LUIS 230 E Park Blvd.,
Oakland. One-story 6-room dwlg.

Owner.....Mrs. J. Marcum, Oakland.
14th street, Oakland.

Architect...None.

Contractor...E. W. Woodard, 4031
Brighton Ave., Oakland.

COST, \$2000

DWELLING

(997) SW E-THIRTY-SEVENTH AND
Randolph Ave., Oakland. One-story
5-room dwelling.

Owner.....A. T. Anderson, 7335 Lock-
wood, Oakland.

Architect...None.

Day's work. COST, \$2000

ALTERATIONS

(998) NO. 3989 HOWE, Oakland.
Alterations.

Owner.....Dr. C. O. Edwards, Prem.

Architect...None.

Day's work. COST, \$600

DWELLING

(999) N FIFTY-FIFTH 300 W San
Pablo Ave., Oakland. One-story 3-
room dwelling.

Owner.....Peter Callahan, 886 30th,
Oakland.

Architect...None.

Day's work. COST, \$600

STORES

(1000) SE THIRTY-EIGHTH AND
Brooklyn Ave., Oakland. One-story
stores.

Owner.....George Hudson, 759 Brook-
lyn Ave., Oakland.

Architect...None.

Day's work. COST, \$500

ALTERATION AND ADDITION

(1002) NW WEBSTER AND HAW-
thorne Ave., Oakland. Alterations
and addition to brick hospital.

Owner.....Samuel Merritt Hospital,
Premises.

Architect...Walter J. Mathews, 927
Broadway, Oakland.

Day's work. COST, \$5000

DWELLING

(1003) N SIXTY-SECOND 200 W Tele-
graph Ave., Oakland. Two-story 7-
room dwelling.

Owner.....Virgil B. Evans, 412 West,
Oakland.

Architect...None.

Contractor...C. A. Doss, 2028 E-15th,
Oakland.

COST, \$2700

FRAME DWELLING

(1013) LOT 153 Map Crocker High-
lands, Oakland. All work except
painting, electric work, plumbing,
tinning, galvanized iron work, finish
hardware, sewers, electric fixtures
and window shades for two-story
frame dwelling.

Owner.....George H. and Genevieve
D. Freear, 658 Arimo Ave.,
Oakland.

Architect...None.

Contractor...Chris Nelson, 3452 Cham-
pion, Oakland.

Filed June 2, '15. Dated May 29, '15.

Exterior sheathing on.....\$1000.00

Completed and accepted..... 1316.50

Usual 35 days..... 873.50

TOTAL COST, \$3150.00

Bond, \$1575. Sureties, Peter Buhman
and P. E. Renaud. Limit, 90 days after
May 29. Forfeit, none. Plans and
specifications filed.

ASBESTOS STEEL FLOOR

(1014) W CASTRO STREET, if ex-
tended S, 80 S First W 456.03xS 300.
Oakland. All work for asbestos
steel floor in generator building.

Owner.....Pacific Gas & Electric Co.,
13th and Clay, Oakland.

Architect...None.

Contractor...Asbestos Protected Metal
Company.

Filed June 2, '15. Dated May 19, '15.

Material delivered at site..... 50%

Completed and accepted..... 40%

Usual 35 days..... 10%

TOTAL COST, \$795.28

Bond, \$400. Surety, American Surety
Co. Limit, 35 days. Forfeit, none.
Plans only filed.

ALTERATIONS

(1015) NO. 3 VERNON, Oakland.
Alter baths.

Owner.....W. A. Boole, 38 Highland
Ave., Piedmont.

Architect...None.

Day's work. COST, \$2000

DWELLING

(1016) S SALISBURY 275 W 35th Ave.,
Oakland. One-story 5-room dwlg.

Owner.....Wm. Allan, 2451 Salisbury
Oakland.

Architect...None

Day's work. COST, \$1600

DWELLING

(1017) S FIFTY-SECOND 240 W Mar-
ket, Oakland. One-story 5-room dwlg

Owner.....J. F. Chambers, 206 Plaza Bldg., Oakland.
Architect...None.
Day's work. COST, \$1750

DWELLING
(1018) N FIFTY-SIXTH 75 W Lowell, Oakland. One-story 5-room dwelling
Owner.....A. A. Englund, 958 56th, Oakland.
Architect...None.
Day's work. COST, \$1300

ADDITION
(1022) NO. 2214 PERALTA AVE., Oakland. Addition.
Owner.....R. Williams, Premises.
Architect...None.
Contractor...A. S. Ferguson.
COST, \$500

DWELLING
(1023) N TWENTY-EIGHTH 150 E Linden, Oakland. One-story 4-room dwelling.
Owner.....A. Pardini.
Architect...None.
Contractor...J. F. Maganini, 603 36th, Oakland.
COST, \$1375

ALTERATIONS
(1024) NO. 765 TWENTY-FIRST, Oakland. Alterations.
Owner.....L. McKay, 615 17th, Okd.
Architect...None.
Contractor...John Ferguson, 2510 Magnolia, Oakland.
COST, \$400

ADDITION
(1025) NO. 3056 TWENTY-THIRD Ave., Oakland. Two-story addition to dwelling.
Owner.....W. D. Howe, Premises.
Architect...None.
Contractor...Harris & Hudson, 1957 E-38th, Oakland.
COST, \$1575

DWELLING
(1027) N E-SIXTEENTH 120 W 57th Ave., Oakland. One-story 5-room dwelling.
Owner.....Mrs. Mary Sparks, 1051 Oak, San Francisco.
Architect...None.
Contractor...M. H. Fish, 1420 Fountain, Alameda.
COST, \$1300

FRENCH RANGE
(1028) NO. 422 FOURTEENTH, Oakland. French range.
Owner.....Colonial Cafeteria Co., 422 14th, Oakland.
Architect...None.
Contractor...John G. Iis Co., 839 Mission, San Francisco.
COST, \$400

ALTERATION
(1029) NO. 450 E-FOURTEENTH, Oakland. Alterations.
Owner.....D. Andker, 670 14th, Okd.
Architect...None.
Contractor...S. J. Bertelsen, 667 39th, Oakland.
COST, \$500

DWELLING
(1030) S E-TWENTY-SECOND 150 E 28th Ave., Oakland. One and one-half-story 4-room dwelling.
Owner.....F. A. Holton, 1950 E-24th, Oakland.
Architect...None.
Day's work. COST, \$1000

DWELLING
(1031) SW THIRTY-EIGHTH AVE and Nevil, Oakland. One-story six-room dwelling.
Owner.....Ananda C. Friberg, 2176 48th Ave., Oakland.
Architect...None.
Contractor...Chas. Friberg, 2176 48th Ave., Oakland.
COST, \$2500

DWELLING
(1032) E THIRTY-NINTH AVE 500 N Carrington, Oakland. One-story 5-room dwelling.
Owner.....Mrs. E. Murphy, S. F.
Architect...None.
Contractor...John R. Faulkes, 9828 E-14th, Oakland.
COST, \$1985

ALTERATIONS
(1033) S EIGHTH 50 W Harrison, Oakland. Alterations.
Owner.....Chan Fuen.
Architect...None.
Contractor...Oscar Johnson, 595 Sycamore, Oakland.
COST, \$400

REPAIRS
(1034) NE HIGH AND HOPKINS, Oakland. Repairs.
Owner.....Gabrid Demery, 444 11th, Oakland.
Architect...None.
Contractor...Fred Hambleton, 575 43rd, Oakland.
COST, \$450

FRAME CHURCH
(1035) W HARRISON 110.83 N 23rd W 117.55 N 100 E 130 S 100.75, Oakland. All work for one-story frame church.
Owner.....Seventh Church of Christ Scientist, Oakland.
Architect...William A. Newman, Hewes Bldg., S. F.
Contractor...Anthony & Heyer, Dalziel Bldg., Oakland.
Filed June 3, '15. Dated May 1, '15.
1st and 15th of each month.... 75%
Usual 35 days..... 25%
TOTAL COST, \$7800
Bond, none. Limit, June 15, 1915. Forfeit, \$10. Plans and specifications filed.

Building Contracts Awarded Berkeley.

No.	Owner	Contractor	Amt.
987	Hanson	Sinclair	2500
990	Boardman	Fisher	600
991	Whitacr	Buskirk	400
992	Parsens	Kidder	1000
1001	McCarthy	Scott	4000
1019	Bd of Education	Owner	5900
1020	Cutter Lab.	Sattin	650
1021	McDuffie	Mason	8000
1026	Hassan	Kollmer	6000
1036	Davis	De Kay	420

(Correction in Owner's Name)

DWELLING
(978) E ROOSEVELT 30 S Channing Berkeley. One and one-half-story three-room dwelling.
Owner.....G. T. Barron, Berkeley.
Architect...None.
Contractor...I. W. Kavins, 2402 Roosevelt, Berkeley.
COST, \$400

DWELLING
(987) E COLUSA 40 S Joseph, Berkeley. One-story 5-room dwelling.

Owner.....J. S. Hanson, 1633 Josephine, Berkeley.
Architect...None.
Contractor...C. E. Sinclair, 5333 Locksley Ave., Oakland.
COST, \$2500

ALTERATIONS
(990) SE ALVARADO AND VICENTE Road, Berkeley. Alterations.
Owner.....F. W. Boardman, 190 Alvarado Road, Berkeley.
Architect...None.
Contractor...G. A. Fisher, 2918 Domingue Ave., Berkeley.
COST, \$600

GARAGE
(991) N ASHBY AVE 400 E College Ave., Berkeley. Garage.
Owner.....A. W. Whitacr, 2731 Ashby Ave., Berkeley.
Architect...Milwain Bros., Delger Bldg., Oakland.
Contractor...J. W. Buskirk, 3535 Meadow, Berkeley.
COST, \$400

ADDITION
(992) S DURANT 175 W Piedmont Ave., Berkeley. Addition and alterations.
Owner.....Rev. E. L. Parsens, 2732 Durant, Berkeley.
Architect...Julia Morgan, Holbrook Bldg., San Francisco.
Contractor...Kidder & McCullough, 2075 Addison, Berkeley.
COST, \$1000

DWELLING
(1001) W SPRUCE 120 S Eunice, Berkeley. Two-story 7-room dwelling.
Owner.....John McCarthy.
Architect...James W. Plachek, Acheson Bldg., Berkeley.
Contractor...Jas. Scott, 1154 Oxford, Berkeley.
COST, \$4000

BRICK ADDITION
(1019) N KITTREDGE 100 E Grove, Berkeley. One-story brick addition to school (Domestic Science).
Owner.....Board of Education.
Architect...None.
Day's work. COST, \$5900

BARN
(1020) NW SIXTH AND GRAYSON, Berkeley. Barn.
Owner.....Cutter Laboratory, Prem.
Architect...None.
Contractor...H. J. F. Sattin, 2536 Chilton Way, Berkeley.
COST, \$650

DWELLING
(1021) SW CLAREMONT AVE AND Avalon, Berkeley. Two-story 11-room dwelling.
Owner.....Mrs. Sophie B. McDuffie, 2328 Piedmont Ave., Bkly.
Architect...H. H. Gutterson, 68 Post, San Francisco.
Contractor...Mason-McDuffie Co., Cor. Shattuck & Addison, Bkly.
COST, \$8000

DWELLING
(1026) N PLAZA DRIVE 250 E Domingo Ave., Berkeley. Two-story 8-room dwelling.
Owner.....E. A. Hassan, 2500 Etna, Berkeley.
Architect...None.

Contractor...J. O. Noble, 1813 Stuart
Berkeley.

COST, \$6000

GARAGE, ETC.

(1036) LOTS 11 AND 12 BLK 4, Berkeley Square, Berkeley. All work for garage and pergola.

Owner.....Mrs. J. O. Davis, Berkeley
Architect...W. H. Ratcliff Jr., 1st National Bank Bldg., Bkly.

Contractor...De Kay & Co., 2000 Shattuck Ave., Berkeley.

Filed June 4, '15. Dated June 3, '15.
Payments each month..... 75%
Usual 35 days..... 25%

TOTAL COST, \$426

Bond, none. Limit, 40 days. Forfeit, none. Plans and specifications filed.

Building Contracts Awarded

ALAMEDA COUNTY.

No.	Owner.	Contractor	Amt.
1004	Zimmerman	Driscoll	1000
1005	Praught	Smith	600
1006	Jensen	Jensen	1000
1007	Koch	Roth	400
1008	Heydeaber	Owner	1000
1009	Same	Same	1000
1010	Noble	Noble	1800
1011	Noble	Noble	1800
1012	Brown	Jones	400

ADDITION

(1004) NO. 1926½ PARK, Alameda. Addition.

Owner.....C. H. Zimmerman, Ala.
Architect...None.
Contractor...Chas. Driscoll, Tracy, Cal.
COST, \$1000

ADDITION

(1005) NO. 1112 LAFAYETTE, Alameda. Addition.

Owner.....Rev. J. B. Praught, 1913 San Antonio, Alameda.
Architect...None.
Contractor...J. W. Smith, 2109 Santa Clara Ave., Alameda.
COST, \$600

DWELLING

(1006) N PACIFIC AVE 25 E "J." Alameda. One-story 5-room dwelling.

Owner.....M. Jensen, 1511 Menburn, Alameda.
Architect...None.
Day's work. COST, \$1000

ALTERATIONS

(1007) NO. 1513 PARK, Alameda. Alterations.

Owner.....Mrs. J. Koch, Premises.
Architect...None.
Contractor...Conrad Roth, 2117 Pacific Ave., Alameda.
COST, \$400

DWELLING

(1008) NO. 830 LINCOLN AVE., Alameda. One-story 4-room dwelling.

Owner.....A. Heydeaber, Premises.
Architect...None.
Day's work. COST, \$1000

DWELLING

(1009) NO. 832 LINCOLN AVE., Alameda. One-story 4-room dwelling.

Owner.....A. Heydeaber, 830 Lincoln Ave., Alameda.
Architect...None.
Day's work. COST, \$1000

DWELLING

(1010) NO. 2521 NOBLE AVE., Alameda. One-story 5-room dwelling.

Owner.....G. H. Noble, 2220 Central Ave., Alameda.

Architect...None.
Day's work. COST, \$1800

DWELLING

(1011) NO. 2531 NOBLE AVE., Alameda. One-story 5-room dwelling.

Owner.....G. H. Noble, 2220 Central Ave., Alameda.
Architect...None.
Day's work. COST, \$1800

ALTERATIONS

(1012) NO. 1520 STANTON, Alameda. Alterations.

Owner.....Annie J. Brown, Premises.
Architect...None.
Contractor...Jones & McGovern, 1622 Berkeley Way, Bkly.
COST, \$400

BUILDING OPERATIONS FOR MAY.

OAKLAND.

Classifications of Bldgs.	No. of Permits	Cost.
1-story dwellings.....	46	\$ 76,285
1½-story dwellings.....	3	6,450
2-story dwellings.....	10	42,800
2-story flats.....	1	4,000
2-st apartments.....	2	29,500
3-story stores and flats.	1	3,000
2-story stores and flats.	1	4,995
Steel & concrete theatre and stores.....	1	100,000
1-story stores.....	5	13,700
1-story warehouse.....	1	75
1-story greenhouses.....	2	500
Gasoline service stations	2	550
1-story field house.....	1	747
1-story club house.....	1	550
1-story concrete garage	1	200
1-story brick shed.....	1	100
Garages, sheds & stables	21	3,165
Tank frame.....	1	100
Alterations, additions & repairs	89	63,318
Total	190	\$350,035

SUMMARY.

New construction.....	101	\$286,717
Alterations, additions & repairs	89	63,318
Total	190	\$350,035
Building operations in Berkeley amounted to \$331,650 and those for Alameda amounted to \$36,975.		

ABANDONMENT OF BUILDING CONTRACT.

Owner, Thomas W. Forrest; architect, Schirmer, Bugbee & Co.; contractor, Alfer Petersen. Lot 60 and Ptn. Lot 70, Crocker Highlands, Oakland. Contract filed May 29, 1915.

NOTICE OF NON-RESPONSIBILITY.

ALAMEDA COUNTY.

June 2, 1915—NE E-FOURTEENTH and NW Fifth Ave NW 75xNE 125, Okd. Mathilde Morrissey as to improvements on leased property....

COMPLETION NOTICES.

ALAMEDA COUNTY

May 28, 1915—LOT 16 BLK 30 Amended Map Fairmount Park, Bkly. Mrs Agnes Ericson to Oscar Swanson.....May 28, 1915

June 1, 1915—SW E-TWELFTH 150 SE First Ave SE 75xSW 180, Okd. F R Fagioli to Sommarstrom BrosJune 1, 1915
June 2, 1915—LOT 55 Map Gorrill Glen, Oakland. Harris & Hudson to whom it may concern. June 2, 1915
June 3, 1915—LOT 13 Redwood Glen Tract, Okd. A M Werum by A F Werum to W C Brown. June 4, 1915
June 3, 1915—N E-FOURTEENTH bet 38th and 39th Aves; 30 feet frontage, Okd. Frank Arena to S J Davina and David A McKay.....
June 3, 1915—NW BRUCE 33-5 SW E-32nd SW 33-4xNW 100, Okd. Ole Kolen to whom it may concernJune 1, 1915
June 3, 1915—PTN LOT 102 Map Pleasant Valley Court, Okd. Alfred J Hopper to whom it may concernJune 3, 1915
June 3, 1915—N 10 LOT 4 and S 31 Lot 3 Blk "T" Waterside Terrace, Ala. Alameda Investment Co to William and Clarence Porter (Porter Bros.)June 3, 1915

LIENS FILED.

ALAMEDA COUNTY.

May 28, 1915—BROADWAY NOS. 4050-82, being ptn Lot 4 Blk "H" Map Weston Tract, Okd. Joseph D Bell (Bell's Wall Beds) vs Mary Grace Dwyer\$94
May 28, 1915—E HIGH 443.38 S Congress Ave S 50xE 120, Okd. Melrose Lumber & Supply Co vs Warren A De Sosa and Crescent Investment Co\$237.70
May 28, 1915—W 25 LOT 19 and all Lot 20 Blk "Q" Map No. 2 of Sbdvn of ptn Central Oakland Tract, E of Telegraph Ave, Okd. Union Floor Co, \$100; Francis Jaques, \$40 vs Eugene A Schmidt and Herbert Johnston
June 4, 1915—E TELEGRAPH AVE 590.41 N 56th N 50xE 150, Oakland. George Martel and Milo J Anderson (Martel & Anderson) vs Margaret P & William S Van Hoosear and E C Anderson.....\$106.50
June 4, 1915—SW EIGHTH AND Webster S 75xW 75, Okd. Nils Anderson vs Gee Sam Kee and Bertha A Sneathen\$2825

SAN JOSE AND THE SANTA CLARA VALLEY

CONVENT—2 story and base, reinforced concrete, \$100,000. Santa Clara, Santa Clara Co., Cal. Architect, John J. Foley, 46 Kearny street, S. F. Owners, Carmelite Sisters, Santa Clara. The building has been designed in the Mission style, and will be erected on property near that of the Santa Clara College. The building will cover a ground area of 200 by 200 feet. The main portion of the structure will contain the chapel, library, recreation room and living apartments. Interior will be finished in pine and hardwood. There will be steam heat with a complete oil burning equipment, vacuum cleaning and a hot water supply. Ornamental plaster and art glass windows will be used in the chapel. Exterior of the building will be faced with cement plaster. A clay tile roof is specified. Plans are now being prepared.

CLUB HOUSE—1 story and base, frame, \$4,000. San Jose, Santa Clara Co., Cal. Architect, Julia Morgan, Holbrook Bldg., S. F. Owners, The Country Woman's Club of San Jose. The building will be erected on Saratoga Road, and has been designed similar to a large residence. There will be a main assembly room, reception hall, banquet room and kitchen. Interior will be finished in pine. Hardwood floors will be used. There will be an open fire place with tile or brick mantel. Exterior of the building will be covered with rustic and shingles. Plans are complete and figures will be called for shortly.

SEWER WORK, ETC.—Cost not stated. Hillsborough, San Mateo Co., Cal. Engineer, City Engineer, Hillsborough. Owners, City of Hillsborough. At the last meeting of the Trustees the installation of an 8-inch sewer over San Mateo Creek at Baywood avenue was ordered. It was also ordered that 1500 feet of guard rails be placed along Crystal Springs road.

STORE ALTERATION AND ADDITION—Class C construction. Cost not stated. Palo Alto, Santa Clara Co., Cal. Architect, Henry Shermund, Mills Bldg., S. F. Owners, Thoits Estate, Palo Alto. The Thoits Building, adjoining the Frazer Department Store, has been leased to the latter and will undergo extensive alterations. Included in the work will be new store fronts, marble work, plastering, hardwood interior finish, electric work, painting and plumbing. Plans are complete and figures will be taken at once.

BUILDING CONTRACTS
SANTA CLARA COUNTY.

FRAME DWELLING
LOT IN SHOTTENHAMER TRACT NO. 2. —. All work for six-room frame dwelling.

Owner.....C. Bauer.
Architect...None.
Contractor..J. A. Wagner, 320 S-16th St., San Jose.

Filed May 24, '15. Dated May 21, '15.
Frame up\$587.50
When plastered, \$112.50 and deed to lot in Shottenhamer Tract, S. J
When finished 587.50
Usual 35 days..... 587.50
TOTAL COST, \$2350.00

Bond, \$1500. Sureties, J. A. Wagner and C. P. Fowler. Limit, 90 days. Forfeit, none. Plans and specifications filed.

MONUMENT
ST. JAMES PARK on St. John Street, between 1st and 3rd Sts., San Jose. All work for monument.

Owner.....M. R. Robins, Philadelphia, Pennsylvania.
Architect...P. P. Cret, Philadelphia, Pa., and August Headman, New Call Bldg., S. F.
Contractor..Vermont Marble Co., 244 Brannan, San Francisco.

Filed May 24, '15. Dated May 14, '14.
When excavated for.....\$ 250
When completed 1831
Usual 35 days..... 694
TOTAL COST, \$2775

Bond, \$1600. Limit, none. Forfeit, \$10 per day. Plans and specifications filed.

COMPLETION NOTICES
SAN MATEO COUNTY.

RECORDED	ACCEPTED
May 29, 1915—LOTS 18-21 BLK No. 4 Sbdvn No. 5, Burlingame. Marcus and Lillian E Krigbaum to Peter Jensen.....	May 26, 1915
June 1, 1915—LOTS 7 AND 9 BLK 24, Redwood Highlands. Harry H Putnam to Jas S Irving and Mae L Irving.....	May 28, 1915

LIENS FILED.
SAN MATEO COUNTY.

RECORDED	AMOUNT
May 29, 1915—LOTS 31 AND 32 BLK 12, Central Park, Redwood City. Gray-Thorning Lumber Co vs P Bechler	\$489.45

MARIN, CONTRA COSTA AND SONOMA COUNTIES

STREET PAVING AND SEWERS—Cost not stated. Richmond, Contra Costa Co., Cal. Engineer, City Engineer, Richmond. Owners, City of Richmond. Plans for a sewer and for the paving of Laurel avenue in this city have been completed by the City Engineer and will be adopted by the City Council at their next meeting, when the bids on the work will be called for.

STREET PAVING—Cost not stated. Richmond, Contra Costa Co., Cal. Engineer, City Engineer, Richmond. Owners, City of Richmond. On request of R. H. Curry, plans and specifications for the paving of five blocks of South Tenth street with bitulithic and crushed rock have been ordered prepared by the Council and will be submitted at their next meeting.

THEATRE AND STORES—2 story and base, reinforced concrete, \$35,000. Vallejo, Solano Co., Cal. Architect, B. J. Joseph, New Call Bldg., S. F. Owner, Albert. Bernheim. The building will be erected on Georgia street west of Marin, and will cover a large ground area. Besides the theatre the first floor will contain a number of stores. Upper floor will be arranged for offices. Interior of the theatre will be finished in ornamental plaster. Pine trim will be used. There will be steam heat and vacuum cleaning. Special electric work and sheet metal work is called for in the theatre. Patent store fronts are specified. Exterior of the building will be faced with cement plaster. Plans are complete and figures are being taken.

Contracts Awarded

STREET PAVING—Cost as follows. Santa Rosa, Sonoma Co., Cal. Engineer, City Engineer, Santa Rosa. Owners, City of Santa Rosa. Contractors, City Street Improvement Co., S. F. Contract prices 15½¢ per square foot.

STREET PAVING—\$90,000. Richmond, Contra Costa Co., Cal. Engineer, City Engineer, Richmond. Owners, City of Richmond. Contractors, Ransome-Crummey Co., Oakland. Contract price, \$90,000. Note: This contract was formerly awarded to G. W. Cushing but has been transferred.

BUILDING CONTRACTS
CONTRA COSTA COUNTY.

COTTAGE
WALLS ADDITION, LOTS 22 AND 23 Blk 186, Richmond. Finish and erect two-room and basement cottage.
Owner.....Pietro Ghidella, 326 Wall St., Richmond.

Architect...None.
Contractor..Leo Persica, Richmond.
Filed May 22, '15. Dated May 14, '15.
Foundation laid and building braced\$400
Roof on and inside walls finished 600
20 days after..... 340
TOTAL COST, \$1340

Bond, none. Limit, 60 days. Forfeit, none. Plans and specifications filed.

HEATING AND VENTILATING
FAIRMONT SCHOOL, Richmond. All work for heating and ventilating in Fairmont School.

Owner.....Board of Education of Richmond School District, Richmond.

Architect...Leland & Haley, Holbrook Bldg., San Francisco.
Contractor..J. C. Hurley Co., 506 6th, San Francisco.

Filed May 26, '15. Dated May 22, '15.
Last day of each month..... 75%
Usual 35 days..... 25%
TOTAL COST, \$3079

Bond, \$769.75. Surety, New England Casualty Co. Limit, forfeit, none. Plans and specifications filed.

CLASS "C" STORE BUILDING
LOT 20 BLK 19, City of Richmond Tct., Richmond. Excavating, concrete and cement work, brick, tile, plumbing, including all connections to sewer, plastering, painting, carpenter work, electric work, hardware and steel work for one-story Class "C" brick store building.

Owner.....Fred C. Schram, 422 Macdonald Ave., Richmond.
Architect...James Narbett, Berry Bldg., Richmond.

Contractor..Carl Overaa, 1808 Roosevelt Ave., Richmond.

Filed May 23, '15. Dated May 22, '15.
Brick walls up ready to receive ceiling joists\$710
Roof completed and ceiling plastered 710
Completed and accepted..... 710
Usual 35 days..... 710
TOTAL COST, \$2,840

Bond, \$1420. Sureties, J. J. Davis and J. H. Duus. Limit, 60 working days. Forfeit, none. Plans and specifications filed.

FRAME BUILDING
LOTS 1 AND 2 BLK 48 as in Amended Map of City of Richmond. Labor and materials, including tools, implements and appliances required to perform and complete according to plans and specifications a one-story frame building with concrete foundation.

Owner.....Frank L. Grunhart, 3111 2d Ave., Sacramento.

Architect...None.
Contractor..W. H. Ecker, 1306 Bissell Ave., Richmond.

Filed May 25, '15. Dated May 18, '15.
Frame up ¼
Plaster on ¼

Usual 35 days..... 3/4
TOTAL COST, \$2020
 Bond, \$1010. Surety, Southwestern
 Surety Insurance Co. Limit, Before
 July 15. Forfeit, none. Plans and
 specifications filed.

COMPLETION NOTICES

MARIN COUNTY.

RECORDED **ACCEPTED**
 May 29, 1915—SOUTH C ST., San
 Rafael. H P Donnelly to J E
 Warner.....May 29, 1915

RELEASE OF LIENS

MARIN COUNTY.

RECORDED **AMOUNT**
 June 1, 1915—FAIRFAX. E K Wood
 Lumber Co to J H Franchi and
 Croker Land Co.....\$194.66

LIENS FILED

MARIN COUNTY.

RECORDED **AMOUNT**
 May 28, 1915—San Anselmo. E K
 Wood Lumber Co (cpn) \$227.74; R
 Leonhart, \$52.50; P J Boscus, \$90.55
 J T Neal, \$75 vs King Chas Lay-
 lander

FRESNO, MODESTO STANISLAUS AND CENTRAL CALIFORNIA

RESIDENCE—1 story and base, frame, \$2,000. Fresno, Fresno Co., Cal. Architect, none. Owner, O. N. Leathers, 3251 Illinois street, Fresno. The dwelling will be erected in Arlington Heights, and has been designed for a six-room house. Interior will be finished in pine and redwood. Some hardwood floors will be used. There will be an open fire place in the living room with tile or brick mantel. Exterior of the dwelling will be covered with rustic. Plans are complete and the work will be done by Day Labor.

RESIDENCE—1 story and base, frame, \$2,000. Fresno, Fresno Co., Cal. Architect, none. Owner, H. H. Schenk, 790 T street, Fresno. The dwelling will be erected in Arlington Heights and has been designed to contain six rooms, bath and sleeping porch. Interior finish will be of pine and redwood. Some hardwood floors will be used. There will be an open fire place with tile or brick mantel. Bath room will have tile wainscot. An automatic water heater will be installed. Exterior of the dwelling will be covered with rustic and cement plaster. Plans are complete and in the hands of the owner who will do the work by Day Labor.

RESIDENCE—1 story and base, frame, \$3,000. Fresno, Fresno Co., Cal. Architect, none. Owner, N. Semper. The dwelling has been designed for a six-room house with bath. Interior will be finished in pine and redwood. There will be hardwood floors in the living room, dining room and reception hall. Plans provide for furnace heat and open fire places. Mantels will be of tile or brick. Tile wainscot will be used in the bath room. An automatic water heater will be installed. Exterior of the dwelling will be covered with rustic and cement plaster on metal lath. Plans are complete and in

the hands of the owner who will do the work by Day Labor.

APARTMENT HOUSE—2 story and base, brick, \$60,000. Fresno, Fresno Co., Cal. Architect's name not given. Owners, Olender Bros., 1833 Tulare street, Fresno. The building will be erected at the corner of H and Tulare streets, and will cover a large ground area. Interior has been arranged for a large number of two, three and four room suites. There will be pine and hardwood interior finish, hardwood floors and tile wainscot in the bath rooms. Plans provide for steam heat, a hot water supply and vacuum cleaning. All apartments will have wall beds and private baths. Exterior of the building will be faced with pressed brick. Plans are complete and in the hands of the owners who are now taking segregated figures on the work.

ARMORY AND STORES—2 story and base, brick, \$25,000. Fresno, Fresno Co., Cal. Architect, R. F. Felchin, Rowell Bldg., Fresno. Owner, F. P. Black. The building will be erected on I street between Tulare and Kern streets, and will be arranged for stores on the first floor and the second floor for an armory. Interior will be finished in pine with a maple floor in the drill room. There will be steam heat and a hot water system. Patent store fronts will be used. Exterior of the building will be faced with pressed brick. Plans are complete and segregated figures are being taken.

SCHOOL—1 story and base, brick. Cost not stated. Porterville, Tulare Co., Cal. Architect, F. W. Griffin, Porterville. Owners, Worth School District. The building has been designed to contain four class rooms. Interior will be finished in pine with maple floors in the class rooms. There will be a central heating system and modern school plumbing. Exterior of the building will be faced with stock brick. Plans are now being prepared.

Contracts Awarded

SCHOOL—1 story and base, frame, \$5,715. Bakersfield, Kern Co., Cal. Architect, Thomas B. Wiseman, Producers' National Bank Bldg., Bakersfield. Owners, Panama School District. Contractors, Curry & Dylgar, Bakersfield. Contract price, \$5,715.

OIL RESERVOIR—Reinforced concrete. Cost not stated. Bakersfield, Kern Co., Cal. Engineer's name not given. Owners, Associated Oil Co. Contractors, Van Sant-Houghton Co., Hooker-Lent Bldg., S. F. Contract price not stated.

Highway Bids Opened By Commissioners.

Contracts for Two Pieces of Work Awarded and Bids Under Consideration for Other Work.

Bids were opened by the State Highway Commission, Forum Building, Sacramento, for the construction of State Highways in Tulare County, Monterey County, Colusa County and Humboldt County. Contracts for the work in Monterey and Humboldt Counties were awarded, but bids taken under advisement for the work in other counties. Following is a complete list of the bids received together with the Engineer's

estimate and a list of the materials furnished by the State:

Tulare Co., Div. 4, Route 10, Sec. A.
 Taylor & Berliner, L. A.....\$24,957.20
 W. A. Dantaville, Paso Robles 20,378.50
 Geo. S. Benson & Sons, L. A.... 17,628.50
Engineer's Estimate, \$16,499.05.

Materials furnished by State: Pipe railing, corrugated iron pipe, reinforcing steel, Portland cement, sand and coarse aggregate. Total, \$17,592.50.

Monterey Co., Div. 5, Route 2, Sec. B.
 W. A. Dantaville, Paso Robles..\$20,340.50
 Manuel Jacinto, Sacramento.... 26,250.00
 Lou G. Hare, Salinas..... 22,733.00
 C. H. & A. W. Gorrill, S. F..... 28,328.50
 James Fitzpatrick, Sac..... 28,889.75
 Petersen & Grier, S. F..... 23,380.75
 Hoffman & McLaren, Oak..... 28,409.75
Engineer's Estimate, \$29,777.53.

Materials furnished by State: Pipe railing, reinforcing steel, corrugated iron pipe, Portland cement, sand and coarse aggregate. Total, \$45,351.80.

Contract awarded to W. A. Dantaville, Paso Robles, \$20,340.50.

Colusa Co., Div. 3, Route 7, Sec. C.
 B. W. Hunt & Sons, Alameda..\$42,242.20
 Taylor & Berliner, L. A..... 42,002.00
 Commary-Peterson Co., S. F.... 43,859.50
 L. F. Gerdetz, S. F..... 40,052.00
 Bent Bros., L. A..... 53,487.70
 James Fitzpatrick, Sac..... 42,722.00
 Marin Rock Co., San Anselmo..\$1,548.00
 C. H. & A. W. Gorrill, S. F.... 41,489.50
Engineer's Estimate, \$48,857.18.

Materials furnished by State: Pipe railings, reinforcing steel, corrugated iron pipe, Portland cement, sand and coarse aggregate. Total, \$52,622.68.

Humboldt Co., Div. 1, Route 1, Sec. E.
 W. B. Hunt & Sons, Alameda..\$69,316.80
 Frank L. Smith Co., Eureka.. 68,607.10
 Bates, Borland & Ayer, Oak.... 55,061.10
 A. C. McLean Const't Co., S. F 71,063.40
 L. F. Gerdetz, S. F..... 54,399.00
 Twohy Bros. Co., S. F..... 72,865.30
 Hoffman & McLaren, Oak..... 55,789.80
 Fairbanks & Baecht, Willits 60,376.20
 James Fitzpatrick, Sac..... 66,764.50
 Mercer-Fraser Co., Eureka..... 65,806.30
 G. W. Conners, Eureka..... 60,050.90
 F. Rolandi, S. F..... 77,729.70
 W. A. Bechtel, Alton..... 70,147.00
 A. Robertson & R. R. Smith
 Fortuna 65,012.52
 Crowley, Cloney & Green,
 Eureka 75,772.40
Engineer's Estimate, \$65,728.83.

Materials furnished by State: Pipe railings, reinforcing steel, corrugated iron, Portland cement. Total, \$20,020.78.

Contract awarded to Bates, Borland & Ayer, Oakland, \$55,061.10.

BUILDING CONTRACTS

FRESNO COUNTY.

DWELLING
 LOT 1 BLK 19, Alta Vista Tract,
 Fresno. Dwelling.
 Owner.....C. A. Edgewood.
 Architect .E. E. Sweet.
 Contractor..C. V. Smith, 1371 Del Mar,
 Fresno.
COST, \$3670

DWELLING
 LOT 16 BLK 35, Arlington Heights.
 Fresno. Dwelling.
 Owner.....O. N. Leathers, 3251
 Illinois, Fresno.
 Architect ...None.
 Day's work. **COST, \$1700**

DWELLING
 LOTS 23 AND 24 BLK 48, Arlington
 Heights, Fresno. Dwelling.

Owner.....H. H. Schenk, 790 T St.,
Fresno.
Architect...None.
Days work. COST, \$2000

DWELLING
REAR 60 FEET LOTS 31 AND 32 BLK
171, Fresno. Dwelling.
Owner.....N. Semper.
Architect...None.
Day's work. COST, \$3000

DWELLING
LOTS 7 AND 8 BLK 9, Alhambra,
Fresno. Dwelling.
Owner.....Mrs. Carley.
Architect...None.
Contractor..Homer & Johnson.
COST, \$2000

COMPLETION NOTICES

FRESNO COUNTY.

RECORDED ACCEPTED
May 28, 1915—NO. 30 (oil well) on
Sec 11-20-15, Fresno. Kern Trad-
ing & Oil Co to W D Head Drilling
Co.....May 26, 1915
June 1, 1915—LOT 4 BLK 20 Alta
Vista Trct, Fresno. F B Billings to
whom it may concern..May 29, 1915
May 29, 1915—LOTS 7 TO 10 BLK 72,
Fresno. Herman H Brix to R F
Felchlin.....May 26, 1915
May 29, 1915—LOT 10 BLK 20 Alta
Vista Tract, Fresno. R G Meyering
to whom it may concern..May 28, 1915
June 2, 1915—LOTS 27 AND 28 BLK
1, Van Ness Park, Fresno. Herbert
Levy to whom it may concern.....
June 1, 1915

SACRAMENTO, STOCKTON AND NORTHERN CALIFORNIA

BRIDGE—Reinforced concrete. Cost
not stated. Eureka, Humboldt Co., Cal.
Engineer, County Surveyor, Eureka.
Owners, Humboldt County. Plans and
specifications have been completed for
the construction of a 20-foot reinforced
concrete bridge which is to be erected
over Wolverton Creek at Burnell's
Crossing in Road District No. 2. Plans
are now out for figures and bids will
be opened on June 15th. Plans and
specifications can be secured from the
office of the County Surveyor.

SCHOOLS—1 and 2 story, frame and
concrete. Cost as follows. Sacramento,
Cal. Architect, State Architect George
B. McDougall, Sacramento. Owners,
State of California. At the last meet-
ing of the Advisory Board of the State
Department of Engineering, official ap-
proval of plans and specifications for
improvements at the various State
schools was given. Six new buildings
to cost \$31,500 are to be erected at the
Preston School of Industry. These
plans were approved and bids will be
called for shortly. The San Francisco
State Normal School will undergo ex-
tensive alteration, the amount of \$112-
000 having been appropriated for this
work. At the Chico State Normal a
new power house will be constructed
of the reinforced concrete type at a
cost of \$2,500. Further mention of this
work will be made when official bids
are advertised.

STATE BRIDGE AND HARBOR
WORK—Cost not stated. Sacramento,
Cal. Engineers, State Highway Com-
mission, Forum Bldg., Sacramento.
Owners, State of California. The Board

ordered the rejection of all bids for
the construction of the bascule bridge
on the State Highway crossing the
Yolo basin, and also the rejection of
all bids for the strip of highway to be
constructed from the town of Red
Bluff to the northern boundary of Te-
hama County. Plans for the construc-
tion of a viaduct over the Embarca-
dadero for the use of pedestrians were
approved, as were the plans and speci-
fications for the extension of pier No.
20 and the improvement of the en-
trance to the passenger station, all on
the San Francisco water front.

STATE HIGHWAY WORK—Cost not
stated. California. Engineer, State
Highway Commission, Forum Bldg.,
Sacramento. Owners, State of Cali-
fornia. Bids were opened at the last
meeting of the State Highway Com-
mission for highway construction in
Tulare County, Monterey County, Co-
lusa County and Humboldt County. A
complete list of the bids submitted will
be found under the heading of San
Francisco in this issue.

STREET PAVING, GUTTERS, ETC.
—Cost not stated. Sacramento, Cal.
Engineer, City Engineer, Sacramento.
Owners, City of Sacramento. Bids will
be opened on June 17th for the follow-
ing street work: Improvement of
Clark avenue, from the southerly line
of J street to the northerly line of
Schuyler alley, by the construction of
curbs, gutter, iron stone vitrified sewer
pipe drains. Plans and specifica-
tions can be secured from the City
Clerk's office.

CRUSHED ROCK AND FUEL OIL—
Cost not stated. Santa Rosa, Sonoma
Co., Cal. Engineer, City Engineer,
Santa Rosa. Owners, City of Santa
Rosa. The City Clerk has been di-
rected to advertise for bids for 3,000
cubic yards of crushed rock and for
fuel oil for the paving plant.

Contracts Awarded

SCHOOL—1 story, frame, \$2,393. Sacra-
mento, Cal. Architect, none. Own-
ers, Dillard School District. Contrac-
tors, Lucas & Frates, Sacramento. Con-
tract price, \$2,393.

SCHOOL—1 story and base, hollow
tile, \$32,364. Fair Oaks, Sacramento
Co., Cal. Architects, Sellon & Bailey,
Sacramento. Owners, Fair Oaks School
District. Contractors, Campbell &
Turner, 326 Ochsner Bldg., Sacramento.
Contract price, \$32,364.

STREET PAVING—Cost not stated.
Sacramento, Cal. Engineer, City En-
gineer, Sacramento. Owners, City of
Sacramento. Contractors, McGillivray
Construction Co., 1007 7th street, Sacra-
mento. Contract price not stated.

BUILDING CONTRACTS

SACRAMENTO COUNTY.

STORE AND LODGE ROOMS
NW PARK AND THIRTY-FIFTH, on
E 80 feet Lots 4 and 5, S E G and Ry
Co's Sub, South Sacramento. Two-
story brick and steel stores and
lodge rooms.
Owner.....H. C. Muddax, 2930 K St.,
Sacramento.
Architect...None.
Contractor..Ralph Muddox, 1315 29th
St., Sacramento.
COST, \$24,900

ADDITION

NO. 1321 FOURTH ST., on S ½ of N ½
Lot 8 and S ½ of W ½ Lot 7, M, N,
14th and 5th Sts., Sacramento. Move
present building to rear and build
new brick addition of 11 rooms and
bath.

Owner.....Alice M. Littlefield, 820
15th St., Sacramento.
Architect...None.
Contractor..Gene Pendergast, 1311 22d
St., Sacramento.
COST, \$4500

FRAME DWELLING

NO. 1124 Q ST., W ½ of N ½ Lot 4, Q,
R, 11th and 12th Sts., Sacramento.
One-story six-room frame dwelling.

Owner.....P. J. Ryan, 1120 Q St.,
Sacramento.
Architect...None.
Contractor..C. A. Williams, 1214 Q St.,
Sacramento.
COST, \$2400

MOVE DWELLING

NO. 1428 THIRD ST., S 35 feet of W 55
feet Lot 5, N, O, 2nd and 3rd Sts.,
Sacramento. Move dwelling to new
location.

Owner.....Daniel McGushin, 3rd and
O Sts., Sacramento.
Architect...None.
Contractor..Gene Pendergast, 1311 22d
St., Sacramento.
COST, \$1000

ALTERATIONS

NO. 202 J ST., on N ¼ Lot 1, J, K, 2nd
and 3d Sts., Sacramento. Place counter
and make restaurant, etc.

Owner.....Innis-Brown Co., J and 2d
Sts., Sacramento.
Architect...None.
Contractor..P. Santos, 714 M St., Sacra-
mento. COST, \$500

SLEEPING PORCH

NO. 1515 SEVENTEENTH ST., on S ¼
Lot 1 O, P, 17th and 18th Sts., Sacra-
mento. Sleeping porch on dwlg.

Owner.....Fred Berdeen, Premises.
Architect...None.
Contractor..R. M. Smith, 2017 18th St.,
Sacramento.
COST, \$400

RESIDENCE

MAGNOLIA AVE, bet 37th and 40th in
N 175 feet of E 40½ feet of Lot 72
Sub "B" Half Acre Lots, Sacramento.
Five-room residence.

Owner.....Gordon Culver, 3500 Mag-
nolia Ave., Sacramento.
Architect...None.
Contractor..W. M. Kennedy, 3330
Orange Ave., Sacramento.
COST, \$1900

LIENS FILED.

SACRAMENTO COUNTY.

RECORDED AMOUNT
June 2, 1915—U, V, 11TH AND 12TH
Sts., Sacramento. (School house).
Carlaw Brothers vs City of Sacra-
mento and H S Williams.....\$91.50

COMPLETION NOTICES

SAN JOAQUIN COUNTY.

RECORDED ACCEPTED
May 27, 1915—NW SUTTER & MAIN,
Stockton. Commercial & Savings

Bank to Pacific Mfg Co, May 22;
Standard Elec Constr Co, May 22;
Thomas Day Co, May 22, 1915

LOS ANGELES AND SOUTHERN CALIFORNIA

APARTMENT HOUSE—4 story and base. Class C construction, \$120,000. Los Angeles, Cal. Architects, California Architectural and Construction Co., California Bldg., L. A. Owners, Ella H. Potts and Rowena P. Caruthers. The building will be erected on the north side of Adams street, extending through from Hope to Palm Drive. There will be a total of 160 rooms ar-

ranged in suites of two and three rooms, all with private baths and wall beds. Interior will be finished in pine with hardwood veneer and hardwood floors. There will be steam heat, a hot water system, elevator service and vacuum cleaning. Entrance will be finished in marble and tile. Bath rooms will have tile wainscot. Exterior of the building will be faced with pressed brick and cement plaster. Plans are now being prepared.

CHURCH—1 story and base, frame. Cost not stated. Pasadena, Los Angeles Co., Cal. Architects, Buchanan & Brockway, 65 North Raymond avenue, Pasadena. Owners, Washington

E. H. Williams

Chalmer Munday

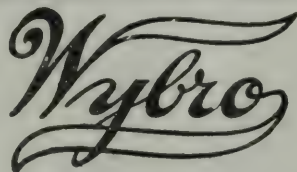
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L. A. LARSEN, Publisher, 560 Mission St., S. F.

Christian Congregation, Pasadena. The building has been designed to contain besides the main auditorium, five class rooms, parlors and study. Interior will be finished in pine with some ornamental plaster and art glass windows. There will be a central heating system. Exterior of the building will be covered with rustic and cement plaster. Plans are now being prepared.

SCHOOL—2 story and base, brick, \$45,000. Los Angeles, Cal. Architects, Withey & Davis, Story Bldg., L. A. Owners, City of Los Angeles. The building will be erected at the corner of University avenue and Rowan, and has been designed to contain eight class rooms, an auditorium and departments of domestic science and manual training. Interior will be finished in pine with maple floors in the class rooms. There will be steam heat, vacuum cleaning, modern school plumbing and program clocks. Exterior of the building will be faced with pressed brick. Plans are complete and out for figures. Bids will be opened by the Board of Education on June 17th. Plans and specifications can be secured from the secretary of the Board of Education in the Security Bldg., L. A.

STREET WORK—Cost not stated. Fullerton, Orange Co., Cal. Engineer, City Engineer Renshaw, Fullerton. Owners, City of Fullerton. Plans for the construction of the Brea Road were approved at the last meeting of the City Trustees, and specifications on the work were ordered published and bids called for.

STORES AND OFFICES—2 story and base. Class B construction, \$25,000. Los Angeles, Cal. Architect, Albert C. Martin Higgins Bldg., L. A. Owner, Madeline Wills. The building will cover an area of 65 by 165 feet, and has been leased to The Desmonds. The first floor will be arranged for stores. Upper floor will contain offices. Interior will be finished in pine and redwood. There will be steam heat and modern electric work and plumbing. Patent store fronts are specified. Exterior of the building will be faced with pressed brick. Plans are complete and figures are now being taken.

Contracts Awarded

FACTORY—3 story and base, reinforced concrete, \$30,000. Los Angeles, Cal. Architect, E. A. Stuhman, L. A. Owners, Coco Cola Co. Contractors, Leonardt & Peck, H. W. Hellman Bldg., L. A. Contract price, \$30,000.

RESIDENCE—2 story and base, frame, \$15,000. Altadena, Los Angeles Co., Cal. Architect, none. Owner, Dr. Whitney Waterman, 840 North Michi-

gan avenue, Pasadena. Contractor, E. A. Wyman, 139 Franklin street, Pasadena. Contract price, \$15,000.

RESIDENCE—2 story and base, frame. Cost not stated. Pasadena, Los Angeles Co., Cal. Architect, S. O. Clements, 1620 Shatto street, L. A. Owner, Robert P. Flint. Contractor, Thomas C. Marlowe, Story Bldg., L. A. Contract price not stated.

SCHOOL—2 story and base, brick, \$37,618. Los Angeles, Cal. Architect, C. F. Skilling, Garland Bldg., L. A. Owners, City of Los Angeles. Contractors, Somers-Lund Co., Security Bldg., L. A. Contract price, \$37,618.

SCHOOL—2 story and base, brick, \$23,200. Los Angeles, Cal. Architects, Kysor & Biggar, Wright & Callender Bldg., L. A. Owners, City of Los Angeles. Contractors, The Merchants Realty and Investment Co., Van Nuys Bldg., L. A. Contract price, \$23,200.

SCHOOL—1 story and base, concrete and frame, \$15,795. Los Angeles, Cal. Architect, Frank L. Stiff, Van Nuys Bldg., L. A. Owners, City of Los Angeles. Contractor, Edward Arnaelsteen, 613 East Washington street, L. A. Contract price, \$15,795.

RESERVOIR—Earth and concrete. Cost not stated. San Luis Obispo, San Luis Obispo Co., Cal. Engineer's name not given. Owners, Producers' Transportation Co. Contractors, Allison & Cole, San Francisco. Contract price not stated.

PORTLAND AND OREGON

SCHOOL—2 story and base, frame, \$18,000. Warrenton, Ore. Architects, Tourtellotte & Hummel, Rothchild Bldg., Portland. Owners, City of Warrenton. The building will cover an area of 120 by 70 feet, and has been designed to contain ten class rooms and an auditorium having a seating capacity of 500. Interior will be finished in pine. Maple floors will be used in the class rooms. A separate building has been designed to contain a gymnasium. There will be steam heat, modern school plumbing and program clocks. Exterior of the building will be faced with cement plaster on metal lath. Plans are complete and figures are now being taken.

SCHOOL GROUP—1, 2 and 3 story, brick, \$100,000. Portland, Ore. Architects, Dolye & Patterson, Worcester Bldg., Portland. Owners, St. Helens Hall. Tentative sketches for a group of buildings to be placed in St. Helens Hall, the Episcopal School for girls, recently destroyed by fire, have been prepared. The group includes a one-story chapel, a two-story school building and a three-story dormitory. The exterior of all the structures will probably be faced with red pressed brick, although nothing definite has been decided upon. A site for the proposed buildings will be selected at an early date. Working drawings will be ordered at once. Further mention will be made of this work.

SCHOOL—2 story and base, brick, \$50,000. Monmouth, Ore. Architect, John V. Bennes, Chamber of Commerce Bldg., Portland. Owners, Monmouth School District. No details have been given out. It is generally understood the building will contain ten class rooms and an assembly hall. Further

mention will be made of the work when bids are called for.

LODGE HALL AND STORES—3 story and base, brick, \$25,000. Oregon City, Ore. Architect, P. Chapwell Browne, Mohawk Bldg., Portland. Owners, Odd Fellows and Moose Hall Associations. The building will cover an area of 66 by 90 feet. There will be stores on the first floor and a large ball room, offices and lodge rooms on the second floor. Interior will be finished in pine with some maple floors. A central heating system will be installed. Patent store fronts are specified. Exterior of the building will be faced with pressed brick. Plans are now being prepared.

SCHOOL—2 story and base, brick and frame, \$100,000. Portland, Ore. Architect, F. A. Naramore, Supt. of School Properties, Portland. Owners, City of Portland. The building will be known as unit A of the Franklin street School, and will be erected at the corner of 54th and Division streets. Besides the class rooms, departments of domestic science, manual training and an auditorium, there will be a swimming tank and play room. Interior finish will be of pine with maple floors in the class rooms. There will be steam heat, an oil burning plant, modern school plumbing, vacuum cleaning and program clocks. Exterior of the building will be faced with pressed brick and cement plaster. Plans are complete and out for figures. Bids will be opened on June 17th. Separate bids are being taken for the general contract and for the heating, plumbing and electric work.

Contracts Awarded.

WAREHOUSE—3 story and base, brick, \$35,000. Portland, Ore. Architects, Doyle & Patterson, Worcester Bldg., Portland. Owners, Mason-Ehrman Co. Contractor, James P. Taylor, MacLeay Bldg., Portland. Contract price, \$35,000.

SEATTLE AND WASHINGTON

BANK AND OFFICES—3 story and base, reinforced concrete, \$75,000. Vancouver, B. C. Architects, Somerville & Putman, White Bldg., Seattle. Owners, Merchants' Bank of Canada. The building will be erected at the corner of Granville and Pender streets, and will cover a considerable ground area. Construction will be fire proof throughout, with reinforced concrete walls, floors and roof slabs. The entire first floor of the building will be occupied by the bank. Interior will be finished with hardwood, ornamental plaster, ornamental bronze and iron. Special bank equipments and fittings will be installed. There will be coin and safety deposit vaults. Upper two floors will be divided into offices both single and en suite, and will be finished in pine and hardwood. Marble floors and wainscot will be used in the corridors. Plans provide for steam heat, vacuum cleaning and metal window sash and frames. The exterior of the building will be faced with pressed brick and cut stone. Plans are complete and figures are being taken.

STORES AND PRINTING HOUSE—4 story and base, reinforced concrete, \$50,000. Seattle, Wash. Architects, Bebb & Gould, Denny Bldg., Seattle. Owners Puget Sound News Co. The

building will be erected at the corner of Second and Virginia streets, covering an area of 48 by 103 feet. Interior of the first floor will be finished for the offices of the owners. Upper floors will contain reportorial rooms and mechanical equipment. Interior finish will be of pine and hardwoods. There will be freight and passenger elevators, metal window sash and frames, steam heat and hot water system. Patent store fronts are specified. Marble and tile wainscot will be used. Exterior of the building will be faced with terra cotta. Plans are now being prepared.

HOW TIMBER IS FREQUENTLY DAMAGED.

Experiments at the Forest Service laboratory of the Department of Agriculture have determined that the strength of a piece of wood may be seriously impaired by slight compression failures due to rough handling. Dropping a beam across a skid may cause a compression failure at the point at which the beam strikes the skid and it will be at this point that the beam gives way when it breaks under a strain too severe for the weakened fibers to withstand. Hitherto unaccountable breakage in hickory wagon spokes and other presumably strong materials are now attributed to compression failures caused by wind storms in the period of growth or by hard usage in lumbering and manufacturing processes. These compression failures show themselves in the form of little diagonal streaks or wrinkles across the grain, and are always a sure sign of weakness.—Scientific American.

FRENCH LINE TO AMERICAN PORTS

[Commercial Agent E. G. Babbitt, San Francisco, May 14.]

It is stated by the local press that Count Guy de Fayolle, general manager of the Transports Maritimes Co., of France, has announced that a new line of freight and passenger steamers would be inaugurated shortly between San Francisco and Marseille, France. The proposed line will operate steamers about once a month from Marseille to Colon, via Mediterranean ports, through the Panama Canal, calling at Mexican ports, San Pedro, San Francisco, and probably Tacoma and Seattle.

The Transports Maritimes owns 29 steamers. Four lines are run to South America and another to the Lesser Antilles. Beginning June 15 a line will be opened from Marseille to Hampton Roads, Galveston, and New Orleans.

OUR BIG SCRAP HEAP.

Metal Valued at Nearly Sixty Million Dollars Recovered from Junk and Waste.

In 1914 the value of the "secondary metals," exclusive of gold, silver, platinum, iron, and steel, recovered in the United States was \$57,039,706, according to J. P. Dunlop, of the United States Geological Survey. This is a decrease from 1913 of \$15,746,321, the secondary metals recovered in that year being valued at \$72,786,027.

The term "secondary" does not imply that these metals, which are recovered from scrap metal, sweepings, skimmings, drosses, etc., are of inferior quality, but is used to distinguish them from "primary metals," which are derived from ore. While the Survey figures relative to lead, zinc, copper, aluminum, tin, and antimony given in this statement cover a large field and form an essential addition to the reports on primary metals, the scope of the inquiry probably reveals less than one-half the extent of the waste-metal trade. The value of the old iron and steel reused amounts to millions of dollars.

For a few purposes requiring especial purity of material it is necessary to employ primary or virgin pig metal, but as a general rule secondary metals can be used in whole or in part, and most foundries use them. The manufacturing and railway centers contribute the bulk of the metal waste, and when trade and consequently transportation are dull the production of scrap metal declines. Over 90 per cent of the refining and smelting of drosses and scrap metals in the United States is confined to the territory east of St. Louis and north of Ohio River.

The output of secondary copper (including that in brass) in 1914 was 127,882 tons, being over 22 per cent of the primary copper smelted in the United States from domestic ores during the year.

The secondary lead recovered amounted to 61,062 tons, equal to over 11 per cent of the primary refined lead produced in the United States.

The amount of secondary zinc recovered in 1914 was 71,642 tons, equal to over 20 per cent of the production of primary zinc during the year.

The recovery of secondary tin is of essential importance, there being no domestic tin ore smelted in the United States. However, some tin concentrates were exported from Nome, Alaska, in 1914. The secondary tin recovered in 1914 (12,447 tons, valued at \$8,887,158) was over 26 per cent of the tin imported during the year.

In aluminum the recoveries in 1914 amounted to 4,522 tons, valued at \$1,673,146.

Copies of the detailed Survey statement of the secondary metal output can be had on application to the Director, U. S. Geological Survey, Washington, D. C.

RADIO FOG SIGNALING.

Preliminary tests are being made, in preparation for more extensive tests, with radio fog-signaling apparatus. The sending out of special fog signals by radio from lighthouses, lightships, and passenger ships would promote safety at sea during fog.

COMMERCIAL LAWS OF FOREIGN COUNTRIES.

Edwin M. Borchard, law librarian of Congress, has completed the preparation of the manuscript on the commercial laws of various European countries which the Bureau of Foreign and Domestic Commerce has been collecting for a couple of years. These reports will be sent to press and copies

will shortly be available at nominal prices by the Superintendent of Documents, Washington, D. C.

Mr Borchard has now been engaged by the Bureau of Foreign and Domestic Commerce to make a study of the commercial laws of South American countries. In order to do this at first hand it is expected that he will sail early in June to those countries. The scope of his investigations is presented in the following statement. Should American business men have experienced difficulties and problems along these lines it is suggested that they communicate them to the Bureau of Foreign and Domestic Commerce in order that Mr. Borchard will be able to handle the subject in the most practical way. It is desired to obtain especially the information that is needed in carrying on business with and in Latin American countries. It is expected that the investigations there will deal with the following matters:

1. The position of foreigners and foreign corporations with respect to commercial rights and formalities necessary to establish an agency or branch establishment. The matter of taxation, general and special.

2. The right to sue be sued, and herein of the following matters: Necessity for powers of attorney, their form and manner of authentication, in what cases necessary, and whether different for corporations, firms, or individuals.

3. Method of securing representation by attorney, whether retainer necessary, customary fees, whether dependent upon success of litigation, and whether contingency fees are accepted. Classes of attorneys and general state of the bar as to competency and reliability.

4. Whether plaintiff, particularly American, must give security for costs, its amount, and form. The amount of court costs in the different courts dealing with commercial matters.

5. When and under what conditions and legal requirements is attachment possible. Necessity for bond and amount thereof.

6. Execution of judgment. Form and procedure. Exemption and preferences. Fees. Execution of foreign judgment.

7. Creditors' rights. Method of securing claim, whether chattel mortgage may be given—form, and manner of execution. Creditors' rights on a sale on consignment. Steps necessary to secure creditors' claims against bankrupt estates—form, time-limit of presenting proofs, representation by power of attorneys, general procedure in bankruptcy.

8. Judicial organization. Jurisdiction, particularly as to sum in litigation of the different courts which deal with commercial matters and rights of appeal. Special commercial courts and trade arbitration boards.

9. Matters of banking law, including bills of exchange and promissory notes of interest to an American merchant.

10. Other matters which will suggest themselves in the course of the investigation.

EARTHQUAKE RESISTANT BUILDING MATERIAL.

[Special Agent Garrard Harris, San Salvador, Salvador.]

Salvador, owing to the presence of many volcanoes, is perhaps more susceptible to earthquakes than any other country in the world. It has, however, experienced in recent years no such disasters as have occurred in Italy, and this condition has been brought about largely because the people have recognized the earthquakes as something to be reckoned with, and have therefore been able, on account of the mild climate, to erect habitations that do not collapse under the tremors. In

earlier days there were some notable earthquakes that ruined the city of

San Salvador on numerous occasions.

Violent Shocks and Their Effects—Type of Buildings Radically Changed.

According to authentic records, San Salvador was first located by Don Diego Alvarado, December 1, 1524, at a place that is now a mere hamlet, called La Bermuda, about 10 kilometers (6.2 miles) from the present city of Suchitoto, and about 30 miles from the present site of its capital. A few years later it was moved to the present situation. It was the capital of the State from 1821, and of the Central American Federation during the period 1839-1854. In the latter year the capital was moved to Cojutepeque because of Salvador's being ruined by an earthquake. Shocks sufficiently violent to be the subject of historical notice are recorded in 1575, 1593, 1659, 1707, 1798, 1839, 1854, 1873, and 1880. A number of severe ones have occurred since the last-named date, but in that year the people realized that to use adobe (sun-dried brick) walls was merely to invite disaster and probably death, so a new type of building was evolved, and is still in process of being improved, not only in the city of San Salvador but also in other cities and towns of the Republic.

Characteristics of New Construction—Its Effectiveness Fully Demonstrated.

The rigidity of thick and heavy adobe walls was abandoned by those who could afford to build of other material. The heavy Spanish tiles for roofs were likewise dispensed with, for many of the casualties of the past had been caused by the collapse of these roofs during a shock. The poorer people began to build their houses of upright poles or beams, on which dried reeds were tacked or wrapped with string or rope, and between these reeds and over them was plastered clay or mud. It dried and was then finished off smoothly inside and out with another coat after which it looked fairly well. Tin and corrugated iron were used for roofing when the owner was able to buy them; other material, such as a palm thatch or similar expedient, was used, while many continued the use of the tiles. The well-to-do followed the same general plan. To the 2 by 4 uprights, which were very firmly nailed at bottom and top and braced to prevent collapse, corrugated iron was nailed on the outside. Over this a layer of almost pure cement was placed and smoothed off, giving an appearance of real solidity and one by no means unpleasing. Light plastering inside, and light but strong partitions were used with corners braced. Corrugated iron was used for the roofing in most instances. Since 1880 the wisdom of this type of construction has been many times demonstrated, when earthquakes of considerable violence have failed to injure the houses, or to hurt anyone living in them.

Some Notable Earthquake-Resisting Buildings—Reinforced Concrete.

The magnificent national hospital at San Salvador is of a later type. It is composed of pressed steel plates inside and out, bolted to wrought-iron framework, and the roofing is of corrugated iron. A handsome church in course of erection, with two extraordinary tall steeples, is following this general design, with the addition of a great deal of fine cornice work. The church will cost about 1,000,000 pesos

silver, and its constructors and others interested are confident it will stand against any sort of earthquake. The cathedral fronting the Parque Bolivar is of the same general type of construction, but has the appearance of the greatest solidity rather than of flimsiness, although one would naturally expect the latter impression in view of the material used. Its roof is of tin and iron.

The magnificent new National Palace, or capitol building, as Americans would call it, which occupies an entire large square and is itself built in the form of a hollow square, has been constructed of specially reinforced concrete. Thus far it has not shown a crack since its completion, although some decidedly hard earthquakes have occurred. The National Theatre, in process of construction, is being built along the same lines, and although there is a great deal of delicate column work in it and not a piece of wood, it shows no effects and is not expected to. A large part of the building materials—cement, iron for reinforcement, corrugated iron for roofing and siding, etc.—has come from the United States. Salvador has been a very good customer in that regard.

People Tiring of Monotony of Style.

There is noticeable in the newer buildings that are being erected by those who can afford to be particular about appearances the desire to get away from the monotony of style which has largely prevailed as a result of the enforced limitation of available building material. It is believed that the present is a favorable time for makers in the United States of goods suitable for the conditions obtaining in Salvador to get into the market and create a demand for the materials which will give the same results in security and yet afford a larger degree of satisfaction to those artistically inclined.

Kinds of American Products Likely to Meet With Favor.

The makers of the beautiful pressed steel interiors so much in use in banks, business houses, and buildings of like character in the United States should find a responsive market not only for business houses but for residences. The light and serviceable "beaver board" and similar material should at once receive recognition and appreciation. It would appear also that a woven-wire substitute for lathing upon which plaster or a more electric composition could be placed would meet with approval, and the idea would be applicable to exteriors. In fact with a layer of the wire mesh and the composition for the exterior and a similar layer for the interior, a distinct improvement should be achieved over the corrugated iron and a cooler house provided. The requirement of warmth does not have to be considered in building in Central America, the only problem being to erect cool houses. The composition for these exterior and interior finishes would probably be more appreciated if put up already tinted, but the tints would have to be of the hold-fast type for the exteriors. The tropical sun of the dry season and constant rains of the alternate period play havoc with colors.

It has likewise been suggested by contractors that a different style of roof covering would undoubtedly be appreciated. Corrugated iron, while serviceable, is not altogether artistic, even when painted with red lead or iron paint, and a sort of interlocking metal shingle, not requiring the use of many nails or other fastenings of the sort, would be likely to fit in admirably with local requirements, as would pressed exterior finish to resemble brick or stone. Whether asbestos shingles would do so is problematical: there would perhaps be a market for them if they were made in larger sizes than are usually seen in the United States. One objection to the corrugated iron is that it is very noisy during the rainy season. Roofings composed of pitch, bitumen, impregnated paper, and materials of a similar nature simply will not do, as they cannot stand up under the sunlight any length of time.

What is here stated as to earthquake conditions in Salvador applies in a modified sense to the western part of Guatemala and the northwestern part of Honduras as well and to parts of Nicaragua, where earthquakes occur at times. It appears that in the furnishing of light building material there is a considerable field here to be developed by the United States manufacturers.

[Names of architects of San Salvador, who must be addressed in Spanish, and of commission men, who may be addressed in English, may be obtained from the Bureau of Foreign and Domestic Commerce or its branch offices.]

CHILEAN MARKET FOR CONDUIT.

[Commercial Attache Verne L. Havens, Santiago, March 6.]

Electric lighting is general in the cities of Chile, particularly in Santiago and Valparaiso. In steel and concrete buildings steel conduit is used, and in brick and adobe houses brass conduit or porcelain insulators are used in wiring. Steel conduits cost 19 cents per yard, and brass conduits are sold for 4 cents. One of the electrical contractors states that about 10 per cent of the wiring is done with steel conduit, between 60 and 70 per cent with brass conduit, and the remainder with porcelain insulators. Brass is used because it is cheap and easy to work. Practically all tubing, both brass and steel comes from Germany. The steel tubing comes with the threads cut.

Most of the electrical business is controlled through European houses. One electrical contractor who buys all his supplies from European houses states that he would not be willing to buy supplies from American catalogues because of the fear that he would not get just what he required, as the conditions are quite different from those in the United States. The tubing or conduit generally used in Chile and recognized and accepted by the two light and power companies of Valparaiso and Santiago is what is known as Bergmann tubing. Any material used in electrical installations has to be accepted by the traction and lighting company. However, an inspector of electrical installations is employed by the Chilean Government, and it is

suggested that manufacturers or contractors take up with this inspector the question of the use of their material.

Criticism of American Methods—Regulations and Laws in Force.

It has been stated that dealing with American houses have proved unsatisfactory in a number of cases, because if not quite enough money is sent for the article the order is not filled, and if too much money is sent some additional article is forwarded to the purchaser which he does not want, or the balance is retained as a credit against future purchases. The criticism of the occasional increase in charge above that quoted is also made against American firms by one of the electrical contractors. They understand that quotations in the United States often vary for the domestic trade, and that it is quite possible for variation to occur between receiving the quotation and placing the order; but inasmuch as the foreign business is sought, they feel that quoted prices should be maintained, at least until there is time for the order to be sent.

The regulations of the light and power company of Santiago require that persons desiring to make installations in houses where power is to be used must agree to submit to the regulations and conditions fixed by the company and must use material approved by the company. These instructions also demand that 1,000 pesos (\$140 at the present rate of exchange) be deposited by the person desiring to make installations, and that the company have the right to change the installations for his account if they are not properly done from the company's point of view, and shall also have the right to impose fines against him up to 50 pesos (\$7) each for infractions against the regulations, deducting these fines or charges from the 1,000 pesos deposited. It has occasionally occurred that the company would not connect with house installations made by persons whom they had not authorized, but the company is now forbidden by law to refuse to make connections when the person making them has done the work in conformity with the law. Any fines imposed are to be for the benefit of the city, and are to be made in conformity with the report of the general inspection of electrical installations.

The Association of Fire Insurance Companies has no electrical code of its own. The tramway and light company, the National Government, and the Association of Fire Insurance Companies have inspectors of electrical installations.

Reasons for Preferring Light Conduit Correspondence in Spanish.

It is obvious that the heavy American conduit, weighing 50 per cent more than the samples sent, is superior, but the question as to the need of the heavy conduit is at least an open one in the minds of the consumers. The matter of first cost is very important in Chile, and it is necessary to quote very close to the ordinary prices before the question of quality becomes of much interest. This might not be true in a country where there were many wooden buildings, but wooden buildings with electric lights are rare throughout Latin America.

Most of the contractors or merchants who handle conduits are more or less

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familiar with English, but there would be absolutely no chance for error in corresponding in Spanish with anybody in Chile and it probably would be pleasing to most of the people of the country.

[The regulations of the light company, the laws relating to electric installation, and samples of brass and steel conduit used in Chile may be seen at the Bureau of Foreign and Domestic Commerce or its branch offices.]

RECORD LOG IS CUT.

STIRLING CITY (Butte Co.)—The largest tree cut for some time by the Diamond Match Company at its logging camps near Stirling City was cut at Camp No. 2 last Fall. The tree was too large to be handled safely on the skates and small cars, so it was left to dry until this Spring.

The log is sixteen feet long and about nine feet in diameter at the large end and seven at the small. It contains about 5,500 feet of lumber.

The fast moving events in the world's arena seem to be forcing the United States into war. If we are forced into this cataclysm it will be in the name of humanity and for the rights of nations. Even a week is likely to determine the question one way or the other. It will be the question of the rights of nations and the stability of laws applied to nations, as well as individuals. It will test the citizenship of many. For those students of history who know the trying times of 1861 there can be no doubt as to the outcome. We are a nation and no foreign country can control our actions. We may be unprepared for war, as we covet no other country's possessions nor seek to extend our system where it is not wanted. But in the crucial test it will be found that loyalty to the stars and stripes and what they stand for is not wanting and despite the mouthings of Hearst and the subsidized press it will be found that we have confidence in the man at the helm second only to that of Lincoln in this greatest crisis since the days of Lincoln.

The Chronicle lately has adopted an ultra-peace policy. What its motive is it does not disclose. But the old criticisms of non-interference in Mexico have been replaced by criticisms of the jingoes and a remonstrance against increasing either the army or navy. No American wants to see his country saddled with the expense of an army or navy. But just so long as there are military or naval bullies abroad in the world it is up to Uncle Sam to be able to give a good account of himself if he is attacked.

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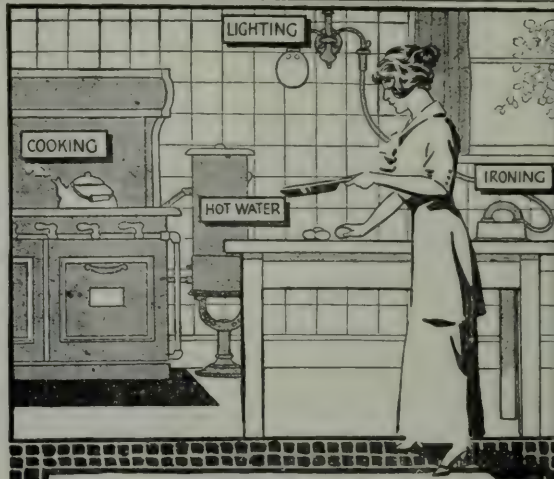
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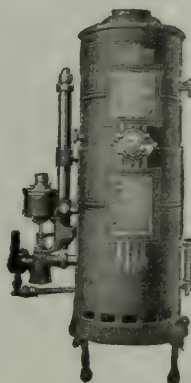
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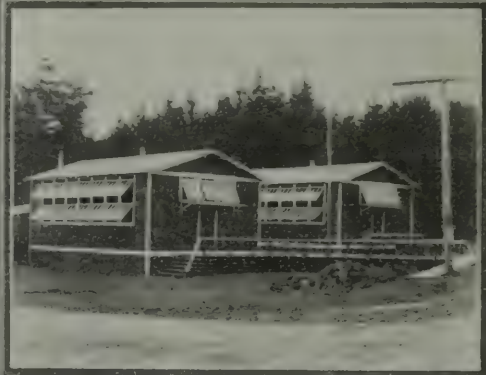
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Building and Engineering News

Devoted to the Architectural, Building, Engineering and Industrial Activities
of the Pacific Coast.

Issued Weekly, \$3.00 per year

San Francisco, June 16, 1915

Fifteenth Year, No 24

The United States Government has at the Exposition a line of exhibits showing the varied activities in which it is engaged, and the educational value of this display can only be fully appreciated after a complete study of these exhibits.

The road exhibit in Machinery Hall gives a lesson in road building from the Roman times down to the most modern types of present day road building, and also shows in models the proper and economic location of roads, culverts and bridges.

The road building question is a live one today all over the United States, and as we are in the State of California asked to vote fifteen millions more for roads, it will be worth while to study this exhibit and post ourselves somewhat before deciding if we want to spend any more millions on the kind of roads we have been getting for the first eighteen millions we voted a few years ago.

The cheapness of some of the road construction that we have witnessed during the last few years will cause many voters to stop and think twice before casting his or her ballot in favor of another dose of road bonds.

SCIENTIFIC PROGRESS IN GERMANY DURING THE WAR.

That necessity is the mother of invention is being emphasized in a remarkable way in Germany where the present war has shut off the importation of various materials hitherto considered indispensable in the manufacture of munitions of war and the Engineering and Mining Journal recently published a communication for which it vouches and which shows some of the progress being made:

Means have been found to manufacture gun and rifle cartridges and the fuse heads of grenades without copper or brass. Soft iron, having a small copper content, and zinc, treated by a special process, are made to replace to a large extent copper and brass.

Realizing that the prolongation of the war may result in a shortage in aluminum, though the chief raw material for the manufacture of this, *beauxite*, comes from northern France, a Heidelberg chemist has discovered an apparently rational process for recovering aluminum oxide from ordinary clay containing about 30 per cent Al-2 O-3. The process also provides for the simultaneous

extraction of the alkalis, particularly potash. Two aluminum factories will soon be completed and will make Germany independent of foreign countries as to this metal.

Attention is being given to the substitution of magnesium for aluminum. It has been shown that metallic magnesium, and particularly a magnesium-aluminum alloy, may possibly replace copper as an electrical conductor. Another large magnesium plant is being erected to use the large quantities of magnesium chloride which are a by-product of the potash industry, hitherto considered worthless.

England having cut off the supply of gasoline and petroleum, and although benzol will satisfactorily replace the former, two synthetic processes have been worked out for producing gasoline, which will play a large role in the future. A process for making gasoline from mineral oils has been simplified and a large plant will soon be operating. A second new gasoline manufacturing process has been invented by a professor in a prominent technical school, based on the assumption that if hydrogen be added to unsaturated hydrocarbons, gasoline will be formed as in nature. Bituminous coal being regarded as unsaturated hydrocarbons, it is proposed to add hydrogen to these and make gasoline, a new plant for which is expected to be in operation soon. Petroleum is being replaced by acetylene, which can be burned in safety lamps more cheaply.

To offset the shutting off of the supply of saltpeter of Chilean nitrates and thereby the manufacture of important explosives, very large works are being erected to convert the nitrogen of the air into ammonia and this into nitric acid by the contact process.

Sulphuric acid having become so expensive, ammonium carbonate made by the Haber process is permitted to come in contact with gypsum, which by a complete reaction forms ammonium sulphate and calcium carbonate. Germany's large deposits of magnesium sulphates are to be similarly used. Also by decomposing magnesium or barium sulphates with coal the sulphide is formed which is further decomposed by carbonic acid into barium carbonate and hydrogen sulphide, which by suitable combustion is transformed into sulphurous acid or sulphur. The sulphuric acid made from this is exceedingly pure and the supplies of barium sulphate are enormous.

California Productions.

By George Nelson, C. E.

INTRODUCTION.

Recent events have emphasized the fact that we are depending on Europe for the greater part of the chemicals used in our arts and industries, and that the time has come for us to take hold and establish our independence in these industries. It can be done, but it will take both work, brains and capital, but once started we will be more than able to hold our own, for we have spontaneously displayed just as much ingenuity along chemical lines as along mechanical.

California is possessed of enormous riches in her mineral deposits, and enjoys an abundance of cheap water-power possibilities in addition to her seemingly inexhaustible supply of petroleum. With the proper technical direction, this combination can be made to place California in the front rank among the industrial states.

The production of several of the California mineral substances has already assumed such proportions that they are world famous and able to attract capital from all over the money centers for their exploitation.

Of these Petroleum and Gold take first rank, the totals for the period considered being 174 million dollars for the Petroleum and 379 million dollars for the Gold. Of these two the Petroleum has given rise to far bigger industries here in California, giving employment to far more men than the Gold.

Petroleum has built pipe lines, railroads, refineries, towns, harbors, ships and all the appurtenances to these main features of this great industry, and what is more it has solved the fuel problem for California, thereby giving the greatest impetus possible to the development of industries in our State.

Petroleum has, also, with the help of the motor truck solved the transportation problem for regions somewhat remote from railroads.

What the Electric Railroads are doing for the farming and fruit raising communities, the motor truck will do for the mining and quarry districts, bring them in touch with the main lines of the steam railroads and thus in contact with the world markets.

It has therefore occurred to the writer that a survey of the last 25 years of the industrial conditions and the ups and downs of the industries, represented graphically with a few commenting remarks, would be of some use in calling attention to the possibilities of this State as a manufacturing state.

The figures used in these diagrams have been taken from the compilations of the State Mining Bureau and the United States Geological Survey, and are therefore official.

The diagrams are as self explanatory as it is possible to make them, but a few remarks as to how to read them will not be amiss.

The scale is of necessity not the same on all the diagrams.

The value in dollars or the amount of production has been made shaded or light according to the demand of the exigencies of the work arising during the construction of the diagrams, and it will make no difference in the reading of them.

The diagrams, with a few exceptions, consist of two sets of columns, one white and one shaded, the smallest is always supposed to be standing in front of the tallest without regard to color, and both are to be read from the bottom line up. The figures placed on the sides also indicate this way of reading the diagrams and are added as a supplementary guide.

Here follows the index to the series: Index to Diagrams "California Productions."

1. Cement.
2. Brick.
3. Lime and Limestone.
4. Broken Stone.
5. Gypsum.
6. Clay Products.
7. Copper.
8. Quicksilver.
9. Lead.
10. Magnesite.
11. Manganese.
12. Chrome.
13. Bituminous Rock.
14. Asphalt.
15. Asbestos.
16. Gold.
17. Silver.
18. Platinum.
19. Petroleum.
20. Natural Gas.
21. Coal.
22. Salt.
23. Soda.
24. Borax.
25. Granite.
26. Rubble.
27. Paving Blocks.
28. Marble.
29. Sandstone.
30. Mineral Paint.
31. Pyrites.
32. Antimony.
33. Iron Ore.
34. Fullers Earth.
35. Infusorial Earth.
36. Mineral Water.
37. Slate.
38. Soapstone.
39. Sand—Glass.
40. Gems.
41. Totals for Period.
42. Totals for 1913.

Cement.

This diagram needs no explanation. It shows that up to 1902 California cement was not recognized as of much account outside of a purely local demand. From 1902 to 1908 it shows a healthy growth, in spite of the fact that new plants were being established, and from 1908 it shows a phenomenal growth, unparalleled anywhere and also shows an industry in a good and healthy condition. It shows the effect that the development of rein-

forced concrete construction has had on the cement industry since the reconstruction of San Francisco commenced.

Up to 1903 only one plant had succeeded in establishing itself in California, but in 1903 two more plants started operations, and five others have since then been established and are now in operation.

Competition has evidently been the life of this industry, and when it is considered that California ranks third in the production of cement, the only states ahead of it being Pennsylvania and Indiana, it must be conceded that this industry is ably handled and sets a pace for others well worth imitating. With the South American and other overseas markets opened up to us we expect to see this gigantic stride kept up and California eventually take the lead among the States.

Cement is today used extensively in all engineering construction, and its uses are being extended almost daily.

In water works construction it is being used for floors, walls, roofs and foundation for filtration plants and pump houses.

In sewerage works it is being used for pipe lines and purification plants of all kinds.

In harbor works it is being used for piles, quay walls, breakwaters, docks, warehouses, silos, coal bunkers, canal locks and canal linings.

In shore protection works it is being used for groynes, seawalls, bulkheads, jetties.

In irrigation works it is being used for pipe lines of all sizes, intakes and outlets, dams and canal linings.

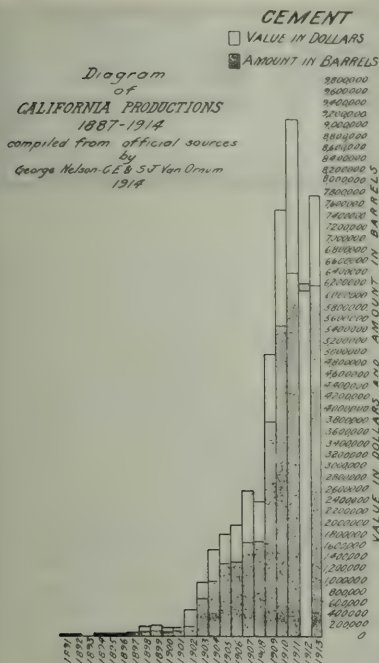
In hydroelectric power construction it is being used for dams of all kinds and sizes, power houses, piers for penstocks, wheel pits and engine foundations, and bases for transmission towers.

In building construction its use has been tremendously increased since the introduction of reinforced concrete construction.

In highway and street construction its use has been in the last few years enormously extended, both as a base for asphalt pavements and also as a paving material in itself, only covered with a thin coat of oil and sand. It is also extensively used in highway bridges of all kinds and in street culverts, curbs, sidewalks, gutters, retaining walls, lamp posts and telephone conduits.

In railroad construction it is rapidly superseding all wooden structures such as bridges, trestles, culverts, retaining walls, stations, train sheds, platforms, and is also being used for telegraph poles, fence posts, grain elevators and smoke stacks.

In the farming community it is being used for roundhouses, water towers, signal towers, tunnel linings, railway ties, used for farm buildings, dairies, stables, water troughs and shingles.



It is used in fortification works, as bottoms for war ships, as tombs and tomb stones, and lately Edison has found a new and rather refined use for it in making his new unbreakable phonograph records.

No other material has been put to so many and varied uses as cement.

Francisco started, at which year he price of brick shows to be the highest; since then the production has almost been stationary, ranging between 330 and 360 million bricks per year. The value has been somewhat more changeable, ranging between 2½ million dollars and 3 million dollars.

It is worthy of note that the stationary period in the brick production coincides with the rapid rise in the cement production, which in turn is caused by the development of reinforced concrete construction.

As California possesses a great abundance of brick clays and other brick materials, it is safe to say that it will be used more and more for building purposes in the country towns and on the farms where wooden frame buildings are now the prevailing type of construction, as it gives a greater protection against fires and lends itself readily to very artistic treatment.

The different kinds of brick manufactured here are:

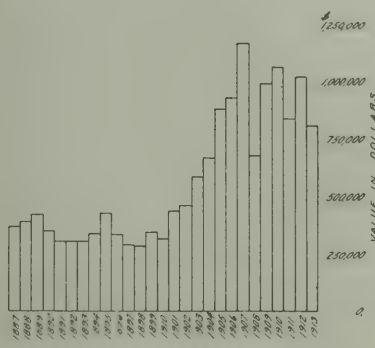
1. Common or Building brick, except fronts or facings.
2. Stock brick, carefully made, perfect edges.
3. Pressed brick or face brick, finer grade.
4. Roman brick—a special size for fronts.
5. Ornamental brick for decorative purposes.
6. Enameled or glazed brick for bath rooms and sanitary linings.
7. Fire brick.
8. Vitrified brick.

LIME & LIMESTONE

□ VALUE IN DOLLARS

Diagram of CALIFORNIA PRODUCTIONS 1887-1914

compiled from official sources by George Nelson C.E. & S.J. Van Ornum 1914



Lime and Limestone.

This diagram only shows the value, no amounts either in tons or barrels being available for more than the last three years. Up to 1911 all lime and limestone quarried was reported together, but since then the limestone quarried and crushed for road purposes has been reported as crushed rock, and hence the apparent decrease of that year.

Limestone is found almost all over California, and is an extensively used material. It is used in building, for cement, furnace slag, fertilizer, glass manufacture, etc. When burnt, lime is used for:

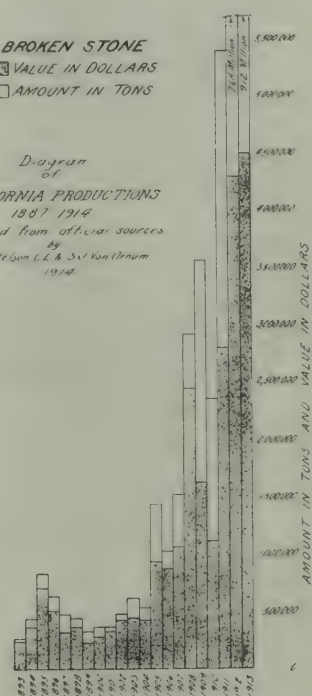
1. Dehydrating alcohol.
2. Disinfectants.
3. Dying.
4. Fertilizers.
5. Flux and glazes in pottery.
6. Furnace flux.
7. Furnace hearths.
8. Furnace linings where the basic steel process is used.
9. Insecticide.
10. Aqua ammonia.
11. Bone ash.
12. Calcium carbide.
13. Gas.
14. Glass.
15. Paper.
16. Potassium bichromate.
17. Soap.
18. Soda.
19. Molds and crucibles.
20. Oxy-hydrogen light.
21. Polishing materials.
22. Refining beet sugar.
23. Tanning, in removing hair from hides.

BROKEN STONE

□ VALUE IN DOLLARS
■ AMOUNT IN TONS

Diagram of CALIFORNIA PRODUCTIONS 1887-1914

compiled from official sources by George Nelson C.E. & S.J. Van Ornum 1914



Broken Stone.

No data available before 1893. Diagram shows very small development up to 1908, when the San Francisco reconstruction with reinforced concrete brings up both the output and the price. The output again drops in 1910, but in 1911 with the wide spread agitation and consequent building of Good Roads all over the country, the production again goes up, keeps up and will keep up from now on as the new types of permanent road surfaces all use rock as the chief ingredient.

This diagram only represents the production of broken stone used for road purposes and concrete and sand and gravel.

Continued.

Brick.

The Brick Diagram shows that statistics of this so common and much used building material were not available before 1893. It shows that the growth was somewhat erratic up to 1902, when it commenced to go up rapidly until it reached 360 million brick in 1907, the year the reconstruction of San

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560 Mission Street.

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George Nelson, C. E., Editor Engineering Department.
W. D. Manville, News Editor.

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APARTMENT HOUSES

SAN FRANCISCO—Apartment house, 3 story and base, frame, \$15,000. Architect, Edward E. Young, 251 Kearny street, S. F. Owner, James Cantley, 1370 Green street, S. F. The building will be erected on the south side of Sacramento street west of Jones and will have a frontage of 27½ feet by a depth of 76½ feet. Exterior has been arranged for six apartments. A private garage will occupy the basement. Interior will be finished in pine, blue gum and elm panels. Hardwood floors will be used in the principal rooms. Plans provide for steam heat and a hot water supply. All apartments will be equipped with wall beds. Marble and tile wainscot will be used in the entrance. Exterior of the building will be covered with rustic and cement plaster on metal lath. Plans are complete and figures are now being taken.

SAN FRANCISCO—Apartment house, 4 story and base. Class C construction. Cost not stated. Architect, Arthur G. Scholz, Phelan Bldg., S. F. Owner, John Edward Stiffen. The building will be erected on the east side of Hyde street south of Ellis, covering an area of 25 by 137½ feet. Interior has been arranged for three apartments of two, three and four rooms each to the floor. Interior will be finished in pine with some hardwood panels and hardwood floors in the living and dining rooms. There will be steam heat and automatic elevator, hot and cold water supply, and vacuum cleaning. Bath rooms will be finished in tile. Exterior of the building will be faced with pressed brick trimmed with terra cotta. Plans are now being prepared.

SAN FRANCISCO—Apartment house, 3 story and base, brick and steel, \$45,000. Architects and engineers, Koenig & Christiansen, Humboldt Bank Bldg., S. F. Owner, O. A. Craemer. The building will be erected on the south side of Turk street, east of Hyde, and has been designed to contain a total of 32 apartments of two and three rooms. All apartments will have wall beds with private bath rooms. Interior finish will be of pine with hardwood panels and some hardwood floors. Plans provide for steam heat, a hot and cold water supply, and vacuum cleaning. Bath rooms will be finished in tile. Marble and tile wainscot will be used in the entrance lobby. Exterior of the dwelling will be faced with pressed brick. Plans are complete and segregated figures are being taken.

SAN FRANCISCO—Apartment house, 3 story and base, frame. Cost not stated. Architects, Rousseau & Rousseau, 110 Sutter street, S. F. Owner's name withheld. The building will be erected on the east side of 7th street south of Howard, and has been designed to contain a total of 42 apartments. Each suite will contain one room and a

kitchenette and a connecting bath. Interior will be finished in pine and redwood. There will be steam heat and a hot and cold water supply. Bath rooms will be finished in imitation tile. Marble and tile wainscot will be used in the vestibule. Exterior of the building will be faced with pressed brick veneer. Plans are now being prepared.

SAN FRANCISCO—Apartment house, 3 story and base. Class C construction, \$25,000. Architect, none. Owners, McKillop Bros., 540 Cole street, S. F. The building will be erected on the west side of Mission street, south of 14th, and has been designed to contain three stores on the first floor, besides fourteen modern apartments on the upper two floors. Interior finish will be of pine and redwood. All apartments will have wall beds and private baths. There will be steam heat and a hot water supply. Bath rooms will be finished in tile. Patent store fronts are specified. Exterior of the building will be faced with pressed brick. Plans are complete and in the hands of the owner who will do the work by Day Labor. Materials are now being purchased.

SAN FRANCISCO—Apartment house, 4 story and base. Class C construction. Cost not stated. Architects, Rousseau & Rousseau, 110 Sutter street, S. F. Owner's name withheld. The building will be erected in the Fifty Vara District, and has been designed to contain a total of 30 apartments arranged in suites of two and three rooms with bath. All apartments will be equipped with wall beds. Interiors will be finished in pine and hardwood panels. Hardwood floors will be used in the living and dining rooms. Plans provide for furnace heat, hot and cold water supply, an automatic elevators will be finished in tile. Marble and tile wainscot will be used in the entrance vestibule. Exterior of the building will be faced with pressed brick trimmed with terra cotta. Plans are now being prepared.

OAKLAND, CAL.—Apartment house, 3 story and base, frame, \$40,000. Architect, none. Owner, E. A. Schmidt, 482 40th street, Oakland. The building will be erected on the south side of 10th street west of Fallon, and has been designed to contain a total of 96 rooms which will be arranged in suites of two and three rooms. All apartments will have wall beds and private baths. Interior finish will be of pine and elm. Some oak floors will be used. There will be steam heat and a hot water system. Oil burning furnace will be installed. Bath rooms will be finished in tile. Marble and tile wainscot will be used in the bath rooms. Exterior of the building will be covered with cement plaster on metal lath. Plans are complete and in the hands of the owner who is now taking subfigures on the work.

LONG BEACH, LOS ANGELES CO., CAL.—Apartment house, 4 story and base, Class C construction, \$30,000.

Architect, Arthur G. Lindley, Hollingsworth Bldg., L. A. Owner's name not given. The building will be erected on Ocean avenue, covering an area of 38 by 100 feet. There will be a total of 25 suites of two and three rooms. All apartments will have wall beds and private baths. Interior finish will be of pine with some elm panels and hardwood floors. Plans provide for steam heat, a hot water system and an automatic elevator. Bath rooms will be finished in tile with composition floors. Marble and tile wainscot will be used in the entrance. Exterior of the building will be faced with cement plaster. Plans are complete and figures are being taken.

BANKS

TROPICO, LOS ANGELES CO., CAL.—Bank and stores, 1 and 2 story and base, brick. Cost not stated. Architect, Myron Hunt, Hibernian Bldg., L. A. Owners, First National Bank of Tropic. The building will be erected on a corner lot and has been designed to contain the bank and eight stores in the one-story section. The second floor will be arranged for modern offices. Special bank equipment, vaults and bank fixtures are specified. Interior will be finished in pine and hardwood. Exterior of the building will be faced with pressed brick. Plans will be ready for figures within thirty days.

BONDS.

FRESNO, FRESNO CO., CAL.—Permission for the Fresno Interurban Railway Company to issue 250 shares of stock at 80 and \$70,000 bonds at 90 has been made by the Railroad Commission. The issue is for the purpose of continuing construction work.

MARICOPA, KERN CO., CAL.—Election of the Maricopa High School District will vote bonds of \$16,000 on June 21st to provide funds for the erection of a high school building. The issue will be in the denomination of \$1,000 each.

WEST PARK SCHOOL DISTRICT, CAL.—The voters of the West Park School District will pass upon a proposition of issuing bonds of \$12,000 for the making of additions to the present school buildings.

BURBANK SCHOOL DISTRICT, LOS ANGELES CO., CAL.—Burbank School District will hold an election on June 21st to vote on the proposition of issuing and selling bonds in the sum of \$25,000 for the betterment of the school buildings in this district.

SAN BERNARDINO, SAN BERNARDINO CO., CAL.—The San Bernardino Chamber of Commerce has arranged a campaign for a bond issue for the construction of a city hall and convention hall.

VISALIA, TULARE CO., CAL.—Preliminary steps have been taken by the city officials for calling a special election to vote bonds of \$65,000 to provide funds for the extension of the outfall sewer system. An election held three months ago to vote on an issue of \$80,000 failed to carry.

Preliminary steps have also been taken for the submission of a proposal to issue \$35,000 in bonds for the construction of a civic auditorium.

SAN LUIS OBISPO, SAN LUIS OBISPO CO., CAL.—A committee headed by J. W. Barnberg of this city is drafting a call for a bond issue of \$1,500,000 to be presented to the Supervisors at their meeting this month. This money is to be expended in building a network of good roads throughout the county.

GLENDORA, LOS ANGELES CO., CAL.—By a vote of 116 to 26 against this city has authorized a bond issue of \$6,000 for acquisition of fire fighting apparatus.

LOS ANGELES, CAL.—A special election will be held in Los Angeles some time in August, as soon as possible after the law enacted by the last legislature which permits the formation of bond districts within the city limits of municipalities becomes effective, for the purpose of issuing \$1,000,000 bonds for the purchase and improving of the Union Hollywood Water Company. The purchase price of the system is \$553,000.

OAKDALE IRRIGATION DISTRICT, STANISLAUS CO., CAL.—The Board of Directors of the Oakdale Irrigation District has advertised the sale of \$400,000 bonds bearing interest at 6%, bids to be received not later than July 6th. The money will be used in construction work.

HOLTVILLE, IMPERIAL CO., CAL.—The City Board of Trustees is considering the proposition to call an election to raise funds for the paving of several streets in this city.

MERCED, MERCED CO., CAL.—John Graham of Merced has been elected president of the Yosemite-to-the-Sea Goods Roads Association. This association has endorsed the proposed bond issue of \$15,000,000, which provides for \$12,000,000 for the completion of the main trunk lines of the State, and \$3,000,000 for the construction of cross-country roads to connect with the trunk lines.

RED BLUFF, TEHAMA CO., CAL.—As a result of a movement for a new high school building, launched at the high school graduation exercises, Judge Ellison as appointed a committee of fifteen who will co-operate with the High School Trustees and the Red Bluff Chamber of Commerce in working out details of the plan for a new building.

RICHMOND, CONTRA COSTA CO., CAL.—E. R. Harlow, chairman of the Board of Trustees, reports that the Richmond Union High School is overcrowded and an addition should be built to the present building. The proposition of calling a bond election is now under consideration.

RIVERSIDE, RIVERSIDE CO., CAL.—A local newspaper reports that the people of the north side are working on a petition for the calling of a bond election at which time the proposition of voting bonds for the erection of a school building will be decided.

AUBURN, PLACER CO., CAL.—The City Trustees have passed resolutions setting forth the necessity for a bond election to build and construct a septic sewer tank and enlarge present sewer system, and install an electric fire alarm system and purchase three auto fire trucks. The sewer to cost \$15,000; fire trucks \$5,000, fire alarm system \$2,000.

SATICOY, VENTURA CO., CAL.—An election held in the Saticoy School District recently was declared invalid and

another election has been called. The proceeds of the sale of the bonds, which are for \$18,000, will be used in the erection of a new school building.

GEYSERVILLE, SONOMA CO., CAL. A special election held in the Geyserville, Oriental, Pena, Independence, Canyon and Hamilton School Districts carried by a large majority.

Plans for the proposed building will be called for soon.

FRESNO, FRESNO CO., CAL.—At a recent meeting of the City Council the matter of calling a bond election for civic improvements was brought before the Council by Mayor Snow, but as he received no encouragement from the members the matter was dropped.

SAN JOSE, SANTA CLARA CO., CAL.—First steps were taken by the Chamber of Commerce Executive Committee to provide Santa Clara County with one of the best and most complete systems of roads to be found in the State, when a committee was appointed to devise ways and means of promoting the project.

MARTINEZ, CONTRA COSTA CO., CAL.—Branding the present water system as worthless for fire protection, the City Trustees have placed themselves on record as favoring the immediate installation of a municipally owned system. The Trustees have instructed Trustees J. J. McNamara and J. E. Colton to secure estimates for the purchase of a tank of 55,000 barrels capacity and the selection of a site on Thomas Hill.

At a recent meeting of the Contra Costa County Supervisors July 2nd was the date set for the holding of an election to vote on the proposition of creating a lighting district in Crockett and Valona.

BRAWLEY, IMPERIAL CO., CAL.—Bonds in the sum of \$14,000 have been voted for a school building. A new grammar school will be erected and the present building repaired.

VICTORVILLE, SAN BERNARDINO CO., CAL.—Bonds of \$25,000 for the erection of a school building were voted on June 5th by the Victor Valley High School District.

LOS ANGELES, CAL.—The State Supreme Court has sustained the validity of the \$6,500,000 power bond issue of the city of Los Angeles. Bonds to the amount of \$1,500,000 will be marketed at once and the funds used to complete the San Francisquito power plant and erect a transmission line from the plant to a central point in the city.

TUCSON, ARIZ.—The Board of Supervisors will call a special election to vote bonds of \$400,000 for the improvement of highways.

BRIDGES AND DAMS

SAN FRANCISCO—Bridge, steel and reinforced concrete, \$120,000. Engineer, City Department of Engineering, Temporary City Hall, S. F. Owners, City and County of San Francisco. Plans for the new bridge to be erected over Channel street at Fourth have been completed and approved by the Board of Works. Bids will be opened on June 23rd. The bridge will be of the steel bascule type supported by reinforced concrete piers. Plans and specifications can be secured from the Board of Public Works.

SAN FRANCISCO—Passenger aprons, steel construction. Cost not stated. Engineer, Assistant State Engineer Newman, Ferry Bldg., S. F. Owners, State of California. Bids are now being taken by the State Board of Harbor Commissioners for the construction of four side aprons for passengers entering and leaving the upper decks of the ferry boats. Bids will be opened on June 17th. Plans and specifications can be secured from the office of the State Board of Harbor Commissioners at the Ferry Bldg.

RED BLUFF, TEHAMA CO., CAL.—Bridges, steel and reinforced concrete. Cost not stated. Engineer, County Surveyor Lunning, Red Bluff. Owners, Tehama County. The Board of Supervisors has directed County Surveyor Lunning to prepare plans and specifications for the construction of all bridges which the county must build on the highway route between Corning and Proberta. In addition to the several smaller bridges it will be necessary for the county to build a new bridge across Elder Creek and to either build a new bridge across Thomes Creek or move the bridge now located just east of the railroad at Richfield to a point several hundred feet up stream and west of the railroad bridge. Surveyor Lunning was also instructed to prepare plans and specifications for a bridge across Oat Creek at Proberta, on the Proberta-Red Bluff highway link, and for an underground railroad crossing at a point south of Red Bluff.

REDWOOD CITY, SAN MATEO CO., CAL.—Culvert, reinforced concrete. Cost not stated. Engineer, County Surveyor, Redwood City. Owners, San Mateo County. The Supervisors have instructed the County Surveyor to prepare plans and specifications for a culvert or bridge at the foot of Millbrae hill. Plans will be presented at the next meeting of the Board when bids will probably be called.

SALINAS, MONTEREY CO., CAL.—Bridges, 2, reinforced concrete, \$32,290 and \$28,500. Engineer, County Surveyor, Salinas. Owners, Monterey County. L. G. Hare, Salinas, presented the low bid for the construction of the Neponset bridge at \$34,387 (engineer's estimate \$30,000), and W. L. Gillam & Son, San Jose, the low bid for the Nacimiento bridge at \$27,730 (engineer's estimate \$28,500). Bids have been taken under advisement.

EUREKA, HUMBOLDT CO., CAL.—Bridge, steel and reinforced concrete. Cost not stated. Engineer, County Surveyor, Eureka. Owners, Humboldt County. According to word received from this city specifications for the proposed bridge over Salmon Creek near Beatrice are nearing completion and bids will soon be called.

RED BLUFF, TEHAMA CO., CAL.—Bridges, 4, reinforced concrete and steel. Cost not stated. Engineer, County Surveyor Lunning, Red Bluff. Owners, Tehama County. The Board of Supervisors has accepted plans and specifications for four different types of bridges, one of which will be used to span the sand sloughs west of Red Bluff. Bids are being taken on each of the four types of bridges. The total length of the three bridges will be about 3,300 feet, and they will span the sand slough just east of Red Bluff, requiring a bridge about 2,200 feet

long; the Samson Slough, one-half mile farther east, requiring a bridge about 150 feet long, and the Paynes Creek Slough, about 600 feet wide. Bids will be opened on the bridges on June 29th. The four types of bridges provide for either concrete or steel, and long or short span.

SONORA, TUOLUMNE CO., CAL.—Bridge, reinforced concrete. Cost not stated. Engineer, County Surveyor, Sonora. Owners, Tuolumne County. Plans and specifications for a concrete bridge to replace the present bridge below Jamestown on the line of the State Highway have been ordered prepared by the County Supervisors. Bids will be taken on the completion of the plans.

SONORA, TUOLUMNE CO., CAL.—Bridge, reinforced concrete, \$2,948. Engineer, County Surveyor, Sonora. Owners, Tuolumne County. The lowest bid received for the construction of a reinforced concrete bridge over Big Creek in Road District No. 44 was that of E. H. Snyder and W. A. Stratton, Sonora, at \$2,948. Four other figures were received. All bids were taken under advisement.

REDDING, SHASTA CO., CAL.—Bridges, 2, steel and reinforced concrete, \$7,000 and \$4,000. Engineer, County Surveyor, Redding. Owners, Shasta County. The Supervisors have approved plans and specifications for two new bridges of steel construction, one across Clover Creek near Millville and one across Clear Creek near Igo, which will be 280 feet long. The first structure will cost approximately \$4,000, the second \$7,000. Bids for the construction of both structures are now being taken. Plans and specifications for the work may be secured from the County Surveyor at Redding.

STOCKTON, SAN JOAQUIN CO., CAL.—Bridges, steel and reinforced concrete. Cost as follows. Engineer, County Surveyor, Stockton. Owners, San Joaquin County. Eight bids were opened by the County Supervisors for the construction of bridges over the Middle and Old Rivers, and all bids were taken under advisement. It is thought that Tibbitts-Pacific Co. of San Francisco will be awarded the contract, their bid being: Old River—substructure, \$17,950; socket piling, \$14,820; superstructure, \$50,490; wooden pier block, \$53,789; protection piers, \$3,400. Middle River—substructure, \$19,515; socket piling, \$15,400; superstructure, \$48,930; wooden pier block, \$52,322; protection piers, \$3,400. Other bidders on the work were: Security Construction Co.; Messmer & Rice, Penn Bridge Co.; Ross Construction Co.; Thomson Bridge Co.; the Midland Bridge Co.; and California Construction Co. The contract will probably be awarded at the next meeting of the Supervisors.

SAN LUIS OBISPO, SAN LUIS OBISPO CO., CAL.—Bridges, 2, reinforced concrete. Cost not stated. Engineer, County Surveyor A. F. Parsons, San Luis Obispo. Owners, San Luis Obispo County. At the last meeting of the County Supervisors bids were ordered received until July 8th at 10 a. m. for the construction of two bridges to be erected in San Luis Obispo County. One will be of reinforced concrete construction and will be erected over Sulphur Creek on the State Highway, about four miles from San Luis Obispo,

and on the San Luis Obispo and Monterey road. The other will be constructed over San Luis Obispo Creek at Miles Station on the State Highway on the San Luis Obispo and Arroyo Grande road.

SAN LUIS OBISPO, SAN LUIS OBISPO CO., CAL.—Bridges, 2, reinforced concrete. Cost not stated. Engineer, County Surveyor A. F. Parsons, San Luis Obispo. Owners, San Luis Obispo County. The County Surveyor has been instructed to prepare plans and specifications for the construction of a bridge across Chorro Creek on the San Luis Obispo and San Simeon road. Plans were also ordered for the construction of a bridge on the Buckley road near the B. Cerrini place.

Contracts Awarded

PETALUMA, SONOMA CO., CAL.—Bridge, steel and reinforced concrete, \$8,691. Engineer, County Surveyor, Santa Rosa. Owners, Sonoma County. Contractor, D. E. Albers, Santa Rosa. Contract price, \$8,691. This contract calls for the construction of the bridge over Dry Creek at Lamberts.

AUBURN, PLACER CO., CAL.—Bridge, reinforced concrete, \$4,888. Engineer, County Surveyor, Auburn. Owners, Placer County. Contractors, Jenkins & Wells, Sacramento. Contract price, \$4,888.

YREKA, SISKIYOU CO., CAL.—Bridges, 7, steel and reinforced concrete, \$29,650. Engineer, County Surveyor, Yreka. Owners, Siskiyou County. Contractors, Penn Bridge Co. Contract price, \$29,650. Two structures over Hudon Creek, near Hornbrook, must be begun by July 20th. Work on two other bridges over Cottonwood Creek and Klamath River must start by September 7th and three others by November 1st. The work must be completed by January 1, 1916. The first two will be concrete structures and the others will be of steel construction.

STOCKTON, SAN JOAQUIN CO., CAL.—Bridges, 2, steel and concrete, \$71,490 and \$71,495. Engineer, County Surveyor, Stockton. Owners, San Joaquin County. Contractors, Tibbitts Pacific Co., S. F. Contract price, Old River bridge, \$71,490 and Middle River bridge \$71,495.

CHURCHES.

PORTLAND, ORE.—Sunday school, 3 story and base, reinforced concrete, \$40,000. Architects, Tourtellotte & Hummel, Rothchild Bldg., Portland. Owners, Methodist Episcopal Church. The building will be erected on the property on the corner of 12th and Taylor streets, and will cover a considerable ground area. Construction will be of reinforced concrete throughout. Interior has been arranged for large class rooms, main assembly hall, auditorium, separate study rooms and library. Interior finish will be of pine with some hardwood and maple floors. There will be steam heat and modern plumbing. Considerable art glass work is specified. Exterior of the building will be faced with cement plaster. A contract for the foundation work has already been let to J. A. Backstand, Chamber of Commerce Bldg., Portland. Plans are complete for the balance of the work and figures will be taken at once.

Contracts Awarded

SEBASTOPOL, SONOMA CO., CAL.—Church, 2 story and base, frame, \$9,-300. Architect, W. J. Wythe, Central Bank Bldg., Oakland. Owner, Methodist Episcopal Church of Sebastopol. Contractor, Chas. J. U. Koenig, 180 Jessie street, S. F. Contract price, \$10,-300.

COURT HOUSES.

SAN FRANCISCO—City Hall painting, \$26,000. Architects, Bakewell & Brown, 251 Kearny street, S. F. Owners, City and County of San Francisco. Bids opened at the regular Wednesday afternoon meeting of the Board of Public Works for the painting of the new City Hall show D. Zelinsky low on propositions 1 and 2 as follows: \$26,000 and \$19,570. He will probably be awarded the contract. A complete list of the figures will be found under the heading of San Francisco in this issue.

SUSANVILLE, LASSEN CO., CAL.—Court house, 2 story and base, reinforced concrete, \$80,000. Architect, George C. Sellon, 1005 K street, Sacramento. Owners, Lassen County. Preliminary plans have been prepared for a reinforced concrete court house to be erected in Susanville. Construction will be fireproof throughout. Besides the usual offices provided for the various county officials the building will contain two court rooms, office for the County Surveyor and an assembly hall. All of the county officials will be provided with fireproof vaults. Interior finish will be of metal and hardwood. Marble and tile are specified for the corridors. There will be steam heat, vacuum cleaning and modern plumbing. Hollow tile interior partitions are specified. The exterior of the building will be faced with pressed brick and granite. Working drawings will be completed shortly. Further mention will be made of the work.

DEPOT PLAYS COMPLETED.

VISALIA, TULARE CO., CAL.—Plans for the proposed new depot building to be erected by the Southern Pacific Company in this city have been completed and bids for the construction of the building will be called for as soon as all requirements have been met with.

The company has had two sets of plans prepared. One of these provides for a structure designed in the Mission style and the other for a different style of architecture.

It is the intention of the railroad company to allow the people of Visalia to vote on the two plans and choose the one that most appeals to them.

FACTORIES AND WAREHOUSES.

SAN FRANCISCO—Warehouse, 2 story and base, brick and steel, \$30,000. Engineer, Henry T. Grieb, 1020 Greenwich street, S. F. Owners, Harbor Warehouse Co. The building will be erected at the northwest corner of Bay and Kearny streets, and will cover an area of 205 by 133 feet. Construction will be of steel and brick. Interior will be arranged for storage purposes. A cement floor is specified on the first floor. A portion of the first floor front

will be finished for offices. There will be freight elevators, metal window sash and frames, and Kinnear steel rolling doors. Exterior of the building will be faced with stock brick. Plans are complete and segregated figures are now being taken.

OAKLAND, CAL.—Municipal Wood Yard office and rooms, 3 story and base, \$12,477. Architect, J. J. Donovan, Security Bank Bldg., Oakland. Owners, City of Oakland. Bids opened by the City Council for the construction of the administration building at the Municipal Wood Yard show W. A. Newsum of San Francisco low at \$12,477. All bids were referred to the Commissioner of Public Works and the City Attorney.

FIREHOUSES AND JAILS

SAN FRANCISCO—Detention Home, 9 story and base. Class A construction, \$135,000. Architect, Louis C. Mullgardt, Chronicle Bldg., S. F. Owners, City and County of San Francisco. The following contracts have been awarded for the construction of the new juvenile detention home: The Pacific Contracting Co., 45 Kearny street, general construction, \$97,771; Dyer Bros. structural steel, \$31,350; John Spargo, excavating and foundation work, \$4,400; Otis Elevator Co. elevator work, \$5,885; H. Larson, plumbing, \$14,350; Rex Electric Co., electrical work, \$3,635; Atlas Heating and Ventilating Co., heating and ventilating, \$3,590.

SAN FRANCISCO—Fire houses, 2, 2 story and base. Class C. Cost as follows. Architects, Ward & Blohme, Alaska-Commercial Bldg., S. F. Owners, City and County of San Francisco. At the Friday morning session of the Board of Public Works bids were opened for these two buildings. Contracts have not been awarded. A. Kohn was low on the general construction of Engine House No. 3 at \$18,930; J. M. Lettich low on the plumbing at \$3,260; and Boynton Engineering Co. low on the electric work at \$790. Harvey A. Klyce was low on Engine House No. 5 at \$24,373; J. E. O'Mara low on the plumbing at \$3,700; and Boynton Engineering Co. low on the electric work at \$895. A complete list of these figures will be found under the heading of San Francisco in this issue.

FLATS

SAN FRANCISCO—Flats, 3 story and base, frame, \$3,006. Architect, A. W. Richardson, 937 Church street, S. F. Owner, Michael Cain, 309 28th avenue, S. F. The building will be erected on the west side of 21st avenue, north of Irving, and has been designed to contain two modern flats of five and six rooms each. Interior finish will be of pine with some hardwood veneer. Hardwood floors will be used in the living room, dining room and reception hall. There will be open fire places and tile or brick mantels. Bath rooms will be finished in tile. Automatic water heaters will be installed. Exterior of the building will be covered with rustic and cement plaster on metal lath. Plans are complete and the work will be done by Day Labor.

SAN FRANCISCO—Flats, 2 story and base, frame, \$3,000. Architect, none. Owner, Thomas Kilkeny, 4438 Geary street, S. F. The building will be

erected on the north line of Geary street east of 9th avenue, and will cover an area of 25 by 60 feet. There will be a store on the first floor. Upper floor will be arranged for two modern flats. Interior finish will be of pine with some elm panels. Hardwood floors will be used in the living and dining rooms. There will be an open fire place in each living room with tile or brick mantel. Automatic water heaters are specified. Imitation tile wainscot will be used in the bath room. Exterior of the building will be covered with rustic and cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor.

GOVERNMENT WORK & SUPPLIES

Traveling Crane.

The following bids were received by the U. S. Reclamation Service, Los Angeles, Cal., for traveling crane and I beam trolley for Yakima project, Wash.:

Reading Crane and Hoist Works, Reading, Pa., item 1, \$460; 2, \$30; 3, Reading; 20 days.

Whiting Foundry Equipment Co., Harvey, Ill., item 1, \$515; 2, \$22; at Harvey, 21 days.

Northern Engineering Works, Detroit, Mich., item 1, \$475; 2, \$30; at Detroit, 45 days.

H. Channon Co., Chicago, Ill., item 1, \$480; 2, \$52; at Chicago, 20 days.

Maris Bros., Philadelphia, Pa., item 1, \$520; 2, \$23; at Philadelphia, 50 days.

The Euclid Crane and Hoist Co., Los Angeles, Cal., item 1, \$559; 2, \$35; at Euclid, Ohio, and St. Louis, Mo., 30 days.

The Brown Hoisting Machinery Co., Cleveland, Ohio, item 1, \$570; 2, \$56; at Cleveland, 45 days.

Victor R. Browning & Co., Cleveland, Ohio, item 1, \$575; 2, \$24.80; at Cleveland, 30 days.

Smith-Booth-Usher Co., Los Angeles, Cal., item 1, \$620; 2, \$31; at Cleveland, 15 working days.

Manning, Maxwell & Moore, San Francisco, Cal., item 1, \$635; at San Francisco, 15 days.

Cleveland Crane and Engineering Co., Wickliff, Ohio, item 1, \$695; 2, \$45; at Wickliff, 45 days.

Yale & Towne Manufacturing Co., New York, N. Y., item 1, \$727.70; 2, \$56; at Cleveland and Stamford, Conn., 45 days.

Baker Iron Works, Los Angeles, Cal., item 1, \$810; 2, \$32; at Los Angeles, 30 days.

Niles-Bement-Pond Co., New York City, item 1, \$900; at Philadelphia, 45 days.

Fulton Engine Works, Los Angeles, Cal., item 1, \$994; 2, \$40; at Los Angeles, 25 days.

Joshua Hendy Iron Works, Sunnyvale, Cal., item 1, \$1,020; 2, \$60; at Sunnyvale, 35 days.

The Exeter Machine Works, Pittston, Pa., item 1, \$1,375; 2, \$46; at Pittston, 35 days.

Wright Manufacturing Co., Lisbon, Ohio, item 2, \$23.60; at Lisbon, 7 days.

Panama Canal Requisitions.

The purchasing officer of the Panama Canal will soon call for bids for furnishing the following supplies and material:

4,265,000 lbs structural steel, including rivets, turned and erection bolts.

16,700 lbs hand railing.
36,000 lbs down spouts, including copper thimbles and necessary fastenings.

Keyport, Wash., Storehouse.

The following bids were received by the chief, bureau of yards and docks, Navy Department, Washington, D. C., for the construction of a fireproof torpedo storehouse at the naval torpedo station, Keyport, Wash.:

Hans Pederson, Madison Building, Seattle, Wash., \$42,300.

Eckman & Mowat, Mutual Life Building, Seattle, Wash., \$42,650.

The Chamberlain Construction Co., 428 Globe Building, Seattle, Wash., \$12,945.

The Sound Construction and Engineering Co., Lowman Building, Seattle, Wash., \$40,500.

Martin & Dugan, Northern Bank Building, Seattle, Wash., \$36,513.

W. N. Concannon Co., 525 Market street, San Francisco, Cal., \$47,373.

The A. W. Quist Co., 705 2nd avenue, Seattle, Wash., \$46,207.

Finne & Gjarde, 725 Northern Bank and Trust Building, Seattle, Wash., \$42,185.

The Pearson Construction Co., New York Building, Seattle, Wash., \$37,925.

The Butler Contracting Co., Central Building, Seattle, Wash., \$39,900.

Charles H. Schaar, 721 21st avenue, Seattle, Wash., \$42,036.

McHugh & Creeman, Providence Building, Tacoma, Wash., \$45,950.

Lent & Benbenick, Bremerton, Wash., \$44,060.

Pacific States Construction Co., Burke Building, Seattle, Wash., \$42,790.

John Wallin, Tacoma, Wash., telegraphic bid, \$45,653.50.

Fleines & Dahl, Seattle, Wash., \$41,240.

Burke Ward, 513 31st avenue, Seattle, Wash., \$40,990.

Erickson & Larson, Seattle, Wash., \$37,246.

Army Work Authorized.

The quartermaster general of the Army has directed that repairs be made to the hospital and hospital steward's quarters at the following posts: Fort Bliss, Tex.; Fort Huachuca, Ariz.; Fort McIntosh, Tex.; Fort Sam Houston, Tex.; Fort Sill, Okla.; Schofield Barracks, Honolulu, H. T.; Fort Shafter, H. T.; and Fort Bayard General Hospital, Ariz. Authority has also been given for the construction of one double set of N. C. O. quarters at the Army and Navy General Hospital, Hot Springs.

Pearl Harbor, Kitchen Equipment.

All bids received May 1 at the bureau of yards and docks for kitchen equipment for the naval hospital, Pearl Harbor, have been rejected. New bids will be called for through the bureau of supplies and accounts for the various items required.

Oil-Burning Plant.

The following bid was received by the supervising architect for installing an oil-burning plant for heating boilers in the public building at Roswell, N. Mex.:

S. T. Johnson Co., San Francisco, Cal., \$1,450; July 20.

Pueblo Bonito, Building.

The bid of Boyd & Yoder, Crown Point, N. Mex., \$19,600 in amount, has been accepted for constructing two brick college dormitories at Pueblo Bonito School.

San Diego, Cal., Water and Sewer System.

The following bids were received by the chief of the bureau of yards and docks, Navy Department, Washington, D. C., for constructing sewer and water systems at the naval radio station, San Diego, Cal.:

Messmer & Rice, Los Angeles, Cal., item 1, \$12,513.

The Holland Construction Co., San Diego, Cal., item 1, \$12,882.

C. H. Julian, 1228 2nd street, San Diego, Cal., item 1, \$13,924.

Eggert & Ukropina, Washington Building, Los Angeles, Cal., item 1, \$16,420.

Erling Rohde, San Diego, Cal., item 1, \$15,665.50.

Isabel Construction Co., San Diego, Cal., item 1, \$12,885.

The Power Equipment Co., San Francisco, Cal., item 1, \$10,650.

Denver, Colo., Mechanical Equipment.

The contract for the mechanical equipment of the U. S. post office building at Denver, Colo., has been awarded to the Chas. Irving Plumbing and Heating Co., Denver, Colo., at \$3,728.

Fresno, Cal., Alterations.

The contract for alterations in the U. S. post office at Fresno, Cal., has been awarded to Howard Dickey, Fresno, Cal., at \$3,990.

SAN FRANCISCO—Subtreasury completion. Class A construction. Cost not stated. Architect, Milton J. Dyer, 825 Cayahoga Bldg., Cleveland, Ohio. Owners, United States Government. Plans and specifications have received the official approval for the completion of the second floor of the new subtreasury building in this city. The work will include new interior partitions, hardwood and metal trim, ornamental iron or bronze, marble, tile or mosaic work, plumbing, electric work, lighting fixtures and special mechanical equipment. Bids will be opened on July 7th at 3 p. m. Plans and specifications can be secured from the architect. An official proposal appears in another column of this issue.

SEATTLE, WASH.—Arsenal, 1 story and base, reinforced concrete. Architect's name not given. Owners, United States Government. According to word received from Brigadier General M. Thompson, Haight Bldg., Seattle, the lowest bid received for the construction of the new arsenal building at the encampment grounds, Cosgrove, American Lake, show John Wallin & Co., 850 Fifth street, Tacoma, Wash., low on this work. Bids were taken on several alternate propositions. The average cost of construction is \$18,889. Sixteen firms submitted figures on the work. No action looking towards an award has yet been taken. Further mention will be made of the work.

HOSPITALS

SAN FRANCISCO—Hospital group, 2, 4 story and 1, 2 story. Class A construction, \$400,000. Architect, Herman Barth, 12 Geary street, S. F. Owners, City and County of San Francisco. Competitive plans submitted by Architect Barth for the proposed southeast addition to the present City and County Hospital have been selected by the jury. The two four-story ward buildings will be designed for male patients, while the two-story structure will be given over to female patients. Construction will be fireproof throughout. The style of architecture harmonizes with that of the present building. Details of construction have not yet been announced. Further mention will be made of the work as plans progress.

SAN FRANCISCO—Hospital incinerators. Cost not stated. Architect, Architectural Department, Temporary City Hall, S. F. Owners, City and County of San Francisco. Plans and specifications for the incinerator to be erected at the San Francisco Hospital are complete and read for figures, according to reports from the Bureau of Architecture. Further mention will be made of the work when bids are called for. J. E. O'Mara has been awarded the contract for the power plant for this incinerator on his bid of \$2,377.

Contracts Awarded

SAN FRANCISCO—Cubical system, Isolation Hospital, \$7,900. Architect, City Department of Architecture, Temporary City Hall, S. F. Owners, City and County of San Francisco. Contractor, O. Monson. Contract price, \$7,900.

LIBRARIES.

PENDELTON, ORE.—Library, 2 story and base, brick or hollow tile, \$25,000. Architects, Johnson & Mayer, Commercial Club Bldg., Portland, associated with Raymond W. Hatch, Pendleton. Owners, City of Pendleton. Plans have been completed by the above mentioned architects for the proposed new Pendleton Carnegie Library and have been forwarded to the Carnegie Corporation for final approval. The nature of construction has not yet been determined. Interior will be arranged for two large reading rooms, office for the librarian and stack room. Interior will be finished in pine with maple floors and some hardwood veneer. Metal book stacks are specified. There will be steam heat, vacuum cleaning and modern lighting. Exterior of the building will be faced with stucco. Further mention of the work will be made when bids are called for.

CALEXICO, IMPERIAL CO., CAL.—Library, 1 story and base, brick and hollow tile, \$25,000. Architects, Allison & Allison, Hibernian Bldg., L. A. Owners, Town of Calxico. The building will be erected in three units, first the central portion and then two wings. The design is in the classic style. Interior will be finished in pine with maple floors in the principal rooms. There will be metal book stacks. Exterior of the building will be faced with cement plaster. The central unit, which will be erected first, will cost in the neighborhood of \$10,000. Plans are now being prepared.

RAILROAD CONSTRUCTION AND EQUIPMENT.

SAN FRANCISCO—Municipal car barns addition, 1 story, reinforced concrete and steel. Cost not stated. Architect, City Department of Architecture, Temporary City Hall. Owners, City and County of San Francisco. Plans and specifications for the addition of one story to the present Municipal Car Barns on Geary street have been approved and are now out for figures. Bids for this work will be opened on June 23rd. Plans and specifications can be secured from the City Department of Architecture. Bids will be taken by the Board of Public Works for this work. An official proposal appears in another column of this issue.

BECKWITH, PLUMAS CO., CAL.—Railroad construction. Cost not stated. Engineer's name not given. Owners, Davey Bros., Sardine. Davey Bros. of Sardine Valley will build a railroad and a saw mill on the Sierraville road about two miles from Beckwith. The railroad will be built into a valuable belt of timber known as the McAlpine Timber. Negotiations are now under way for a right of way for the road across the land owned by A. E. Bulson.

RESIDENCES.

SAN FRANCISCO — Residence, 2 story and base, frame, \$9,500. Architect, Frank S. Holland, 100 Haight street, S. F. Owner's name withheld. The building will be erected in Ashbury Heights, and has been designed to contain nine rooms, bath, shower and sleeping porch. A separate garage will be erected in the rear of the property. Interior finish of the dwelling will be of pine, hardwood and white enamel. Hardwood floors will be used throughout the first story. There will be furnace heat and open fire places. Mantels will be of tile or brick. Bath room will be finished in tile. Automatic water heater is specified. Exterior of the dwelling will be covered with kiln brick veneer and metal lath and plaster. Plans are complete and figures are now being taken.

BERKELEY, ALAMEDA CO., CAL.—Residence, 2 story and base, frame, \$3,500. Architect, none. Owner, E. L. Jenks, 2977 Piedmont avenue, Berkeley. The dwelling will be erected on the east side of Claremont avenue opposite Eton avenue, and has been designed for a seven-room house with bath and sleeping porch. Interior will be finished in pine with some white enamel. Hardwood floors will be used in the living room, dining room and reception hall. Plans provide for furnace heat and open fire places. Mantels will be of tile or brick. Bath rooms will be finished in Germanstone and equipped with showers. An automatic water heater is specified. Exterior of the building will be covered with cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor.

SAN MATEO, SAN MATEO CO., CAL.—Residence, 2 story and base, frame, \$6,500. Architect, Charles C. Frye, 20 Montgomery street, S. F. Owner's name withheld. The dwelling has been designed to contain nine rooms, three

baths and two sleeping porches. Interior finish will be of pine and hardwood with white enamel in the bed rooms. Plans provide for furnace heat and open fire places. An automatic water heater will be installed. Bath rooms will be finished in tile and equipped with showers. Mantels will be of tile or brick. Exterior of the dwelling will be covered with shingles. Plans are now being prepared.

ROSS VALLEY, MARIN CO., CAL.—Bungalow, 1½ story and base, frame, \$4,000. Architect, Charles C. Frye, 20 Montgomery street, S. F. Owner's name withheld. The dwelling has been designed to contain seven rooms, bath and sleeping porch. Interior finish will be of pine, hardwood and white enamel. Hardwood floors will be used in the principal rooms. There will be furnace heat and open fire places. Mantels will be of tile. Tile wainscot will be used in the bath room. An automatic water heater is specified. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are now being prepared.

SAN FRANCISCO — Residence, 2 story and base, frame, \$3,000. Architect, none. Owner, James Welch, 2442 20th avenue, S. F. The dwelling has been designed for a six-room house and will be erected on the west side of 18th avenue near Anza. Interior will be finished in pine with some elm panels. Hardwood floors will be used in the living and dining rooms. There will be furnace heat and open fire place. Mantel will be of tile or brick. Tile wainscot will be used in the bath room. Exterior of the house will be covered with rustic and cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor. Materials are now being purchased.

SAN FRANCISCO — Residence, 2 story and base, frame, \$3,000. Architect, none. Owners, Johnson & Johnson, 818 14th street, S. F. The dwelling will be erected on the west side of 17th avenue north of Clement, and has been designed for a six-room house with bath. Interior will be finished in pine with some elm panels. Hardwood floors will be used in the principal rooms. There will be an open fire place and tile or brick mantel. Tile wainscot will be used in the bath room. An automatic water heater will be installed. Exterior of the house will be covered with rustic and cement plaster on metal lath. Plans are complete and in the hands of the owners who will do the work by Day Labor. Materials are now being purchased.

BERKELEY, ALAMEDA CO., CAL.—Sorority house, 3 story and base, frame, \$25,000. Architect, G. A. Applegarth, Call Bldg., S. F. Owners, Delta Delta Sorority. The building has been designed along lines similar to a large residence. Interior will be finished in pine and hardwood with hardwood floors in the principal rooms. There will be a central heating system, a hot water circulating system and vacuum cleaning. There will be several bath rooms which will be finished in tile and equipped with showers. Exterior of the house will be covered with cement plaster on metal lath. Plans are now being prepared.

OAKLAND, CAL.—Residence, 1 story and base, frame, \$2,000. Architects,

Oliver & Thomas, Pantages Theatre Bldg., Oakland. Owner, O. M. Bullock. The dwelling has been designed for a five-room house with bath and sleeping porch. Interior will be finished in pine with some white enamel. Hardwood floors will be used in the living and dining rooms. There will be an open fire place and tile or brick mantel. Bath room will have tile wainscot. An automatic water heater will be installed. Exterior of the house will be covered with cement plaster on metal lath. Plans are complete and the work will be done by Day Labor.

OAKLAND, CAL.—Residence, 1 story and base, frame, \$2,000. Architect, Merrill Newsom, 1748 Broadway, Oakland. Owner C. E. Charleston. The dwelling has been designed for a six-room house with bath and sleeping porch. Interior will be finished in pine throughout. There will be some hardwood floors. An open fire place and tile mantel will be included. Bath room will have imitation tile wainscot. An automatic water heater will be installed. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are complete and the work will be done by Day Labor.

OAKLAND, CAL.—Residence, 1 story and base, frame, \$3,000. Architect, Merrill Newsom, 1748 Broadway, Oakland. Owner, Gene Higgins. The dwelling has been designed for a six-room house with bath and sleeping porch. Interior will be finished in pine with some white enamel. Hardwood floors will be used in the living room and dining room. There will be an open fire place and tile or brick mantel. Bath room will have tile wainscot. An automatic water heater will be installed. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are complete and the work will be done by Day Labor.

TURLOCK, STANISLAUS CO., CAL.—Residence, 1 story and base, frame. Cost not stated. Architect, Henry Shermund, Mills Bldg., S. F. Owner, Howard Whipple. The dwelling has been designed for an eight-room house with two baths and sleeping porch. Interior will be finished in pine and hardwood veneer with white enamel in the bed rooms. Hardwood floors will be used in the living room, dining room and reception hall. There will be open fire places and tile or brick mantels. Exterior of the house will be covered with cement plaster on metal lath. Bids are being taken.

VALLEJO, SOLANO CO., CAL.—Residence, 2 story and base, frame, \$5,000. Architect, Merrill Newsom, 1748 Broadway, Oakland. Owner, G. De Bonis. The dwelling has been designed for an eight-room house with two baths and sleeping porch. Interior finish will be of pine and white enamel. Hardwood floors will be used in the living room, dining room and reception hall. There will be furnace heat and open fire places. Mantels will be of tile. Tile wainscot will be used in the bath room. An automatic water heater will be installed. Exterior of the house will be covered with rustic and cement plaster on metal lath. Plans are complete and the work will be done by Day Labor.

SCHOOLS.

BERKELEY, ALAMEDA CO., CAL.—School, 1 story and base, frame and plaster, \$52,000. Architect, Walter D. Reed, Oakland. Owners, City of Berkeley. Bids opened for the construction of this building showed Fred H. Field low on the general construction at \$35,798, and Siebert & Co. and J. C. Hurley Co. tie at \$6,479 on the heating and ventilating. Contracts will be awarded this week.

WOODLAND, YOLO CO., CAL.—School heating and ventilating. Cost not stated. Architect, W. H. Weeks, 75 Post street, S. F. Owners, Woodland School District. Plans are complete and bids will be opened on June 18th for the heating and ventilating to be installed in the new Woodland grammar school. Plans and specifications can be secured from the office of the architect.

ARCATA, HUMBOLDT CO., CAL.—School addition, 1 story, frame and plaster. Cost not stated. Architect's name not given. Owners, Arcata Union High School District. The Trustees are advertising for bids for the construction of a 40 by 70 foot annex to the present school building. The annex will be used as an assembly hall. Plans provide for a maple floor and interior finish of pine. Plans and specifications for the work may be secured from the trustees of the district.

SEBASTOPOL, SONOMA CO., CAL.—School heating system. Cost not stated. Architects, Ernest L. Norberg and Thomas Edwards, Bank Bldg., Burlingame. Owners, Sebastopol Grammar School District. Plans are complete and figures will be opened on June 18th for furnishing and installing a central heating system in the new grammar school building at Sebastopol. Plans can be secured from the architects.

ORANGE COVE, FRESNO CO., CAL.—School, 1 story and base, hollow tile, \$10,000. Architects, Bowen & Davis, Griffith-McKenzie Bldg., Fresno. Owners, Orange Cove School District. The building will contain four class rooms. Interior finish will be of pine. There will be a central heating system and modern school plumbing. Exterior of the building will be faced with cement plaster. Plans are complete and now out for figures. Bids will be opened on June 19th. Plans and specifications can be secured from the architects.

LOS ANGELES, CAL.—School, 1 story and base, brick, \$30,000. Architect, John T. Blee, Union League Bldg., L. A. Owners, City of Los Angeles. The building will be erected at Barton Hill, and has been designed to contain six standard sized class rooms and an auditorium. Interior will be finished in pine with maple floors in the class rooms. A central heating system, modern school plumbing and vacuum cleaning will be installed. Exterior of the building will be faced with pressed brick. Plans are now being prepared.

CUCAMONGA, SAN BERNARDINO CO., CAL.—School, 1 story, reinforced concrete, \$16,000. Architect, E. L. Hopkins, Byrne Bldg., L. A. Owners, Central School District of Cucamonga. The building will contain four class rooms, auditorium and departments for domestic science and manual training. Interior will be finished in pine. There will be a central heating system. Ex-

terior of the building will be faced with cement plaster. Plans are complete and out for figures. Bids will be opened on June 28th. Plans and specifications can be secured from the architect.

LOS ANGELES, CAL.—School addition, 2 story and base, brick, \$30,000. Architects, John P. Krempel and Walter E. Erkes, Henne Bldg., L. A. Owners, City of Los Angeles. The building has been designed for a six-room addition to the present building at 7th avenue and Washington street. Besides the class rooms there will be a large auditorium. Interior will be finished in pine with maple floors in the class rooms. The present steam heating system will be extended into the new portion of the building. Exterior will be faced with pressed brick. Plans are now being prepared.

Plans are also being prepared for a similar addition to the building at the corner of Hobart Boulevard and 10th street. The cost will also be in the neighborhood of \$30,000.

LOS ANGELES, CAL.—School, 2 story and base, brick, \$45,000. Architects, Walker & Vawter, Hibernian Bldg., L. A. Owners, City of Los Angeles. The building will be erected at the corner of South Park and Manchester avenues, and has been designed to contain eight class rooms, auditorium and departments of domestic science and manual training. Interior finish will be of pine with maple floors in the class rooms. There will be a central heating system, modern school plumbing and vacuum cleaning. Program clocks will also be installed. Exterior of the building will be faced with pressed brick. Plans are complete and out for figures. Bids will be opened on June 24th. Plans and specifications can be secured from the Secretary of the Board of Education in the Security Building.

SHERIDAN, ORE.—School, 1 story and base, brick and tile, \$16,500. Architect, Ernest Kroner, Worcester Bldg., Portland. Owners, City of Sheridan. The building has been designed to contain six class rooms and an auditorium. Interior will be finished in pine with some maple floors. There will be steam heat and program clocks. Exterior of the building will be faced with pressed brick. Plans are complete and figures are now being taken.

Contracts Awarded

SACRAMENTO, CAL.—School, 1 story and base, frame, \$7,564.23. Architect's name not given. Owners, Arden School District. Contractors, Scoble & Matson, Sacramento. Contract price, \$7,564.28.

LOS ANGELES, CAL.—School, 1 story and base, brick, \$18,963. Architect, Parker O. Wright, Security Bldg., L. A. Owners, City of Los Angeles. Contractors, Barber-Bradley Construction Co., 1824 East 15th street, L. A. Contract price, \$18,963.

LOS ANGELES, CAL.—School, 2 story and base, brick, \$63,806. Architects, Dennis & Hewitt, Fay Bldg., L. A. Owners, City of Los Angeles. Contractors, Charles W. Kent & Son, Glendale, general construction, \$63,806. Foss & Jones, Pasadena, heating and ventilating. H. E. Zelinsky, H. W. Hellman Bldg., L. A., painting. Note: Plumbing on this work has not been awarded.

LOS ANGELES, CAL.—Parochial school, 2 story and base, brick, \$19,000. Architect, E. J. Borgmeyer, Stimson Bldg., L. A. Owners, Roman Catholic Church. Contractor, William Kirk, I. W. Hellman Bldg., L. A. Contract price, \$19,000.

LOS ANGELES, CAL.—School, 1 story and base, reinforced concrete, \$17,750. Architect, Frank L. Stiff, Grosse Bldg., L. A. Owners, City of Los Angeles. Contractors, Broadway Construction Co., 235 East Washington street, L. A. Contract price, \$17,750.

SEWERS, STREET WORK & WATER SYSTEMS.

FRESNO, FRESNO CO., CAL.—Street paving, sidewalks, etc. Cost not stated. Engineer, City Engineer, Fresno. Owners, City of Fresno. Steps for paving all letter named streets from K street east were taken by the City Council at their last meeting when resolutions of intention for the paving of P street from Stanislaus to San Benito were passed. Plans and specifications having been adopted, resolutions for doing the following work were ordered: Widening of Thomas avenue from Blackstone avenue to Glenn avenue; sidewalk construction on both sides of S street from Tulare street to Mono street; opening of R street into Clark street on the northeast and Ventura avenue on the southeast. After all the requirements have been complied with, bids on this work will be called for.

FRESNO, FRESNO CO., CAL.—Government road work, \$50,000. Engineer, United States Engineers, Washington, D. C. Owners, United States Government, Tulare and Fresno Counties. The United States Government Engineering Department has completed the location survey of the new road to be built next year from Grant Park in Fresno and Tulare Counties to Giant Forest in the Sequoia National Park, over the ridge that runs down the Sierras, through Big Meadows, around Old Shelly Mountain to Jennie Ellis Lake, down the Kings River trail to Cahoon Meadows and into Wolverton and Giant Forest. Nine miles of this big new development road that opens a vast mountain region, will be built by the Supervisors of Tulare County. The remaining distance, 35 miles, lies within the boundaries of the National parks and will be built by the Government.

MADERA, MADERA CO., CAL.—Irrigation system. Cost not stated. Engineers, Miller & Lux, Merchants' Exchange Bldg., S. F. Owners, Miller & Lux. According to reports received, Miller & Lux of San Francisco are considering plans to organize a great irrigation district along the course of the San Joaquin River. Meetings are being held in San Francisco and an early decision is expected.

MODESTO, STANISLAUS CO., CAL.—Irrigation fill, earth and concrete, \$70,000. Engineer, F. C. Herrmann, Modesto. Owners, Modesto and Waterford Irrigation Districts. At a joint meeting of the Waterford Irrigation District Board of Directors and the Modesto Board, it was decided to refer the question of the use of water from the Modesto ditch to Engineer F. C. Herrmann of the Modesto District and

Engineer A. Griffin of the Waterford District. The two engineers will report on the probable cost of enlarging the main canal of the Modesto Irrigation District and with these figures available, the directors will finally consider the situation. It will probably take the engineers a month to make the investigation. Plans drawn by Engineer Herrmann were accepted, and all other plans abandoned, for building the Gasburg fill. Herrmann submitted three plans, each of which is to be bid on. One is for an earthen fill with a concrete culvert under it at the channel. The next provides for an earthen fill out to the deepest part of the crossing where a concrete arch will be built with columns to support the flume. The third plan provides for a concrete arch with supporting pillars. It is thought that bids on the work will be called for at next Saturday's meeting.

BAKERSFIELD, KERN CO., CAL.—Sewers. Cost not stated. Engineer, City Engineer Rea, Bakersfield. Owners, City of Bakersfield. City Engineer Rea is working on preliminary rough plans for sewer districts for the parts of East Bakersfield not included in sewer districts already established.

BAKERSFIELD, KERN CO., CAL.—Furnishing cement. Cost not stated. Engineer, County Surveyor, Bakersfield. Owners, Kern County. Three bids for supplying the county with 90,000 barrels of cement to be used in the construction of highways in Kern County opened by the Supervisors are as follows: The County of Los Angeles bid \$1.75 f. o. b. their plant and the Pacific Portland Cement Co. and the Santa Cruz Portland Cement Co. each bid at varying prices f. o. b. Kern County points. The bids were referred to the Highway Commission for analysis.

COLUSA, COLUSA CO., CAL.—Street paving, grading and gutters. Cost not stated. Engineer, City Engineer, Colusa. Owners, City of Colusa. Plans have been approved and figures are now being taken and will be opened on June 28th for the following street improvements: Paving of 10th street, from the south line of Jay street to the northerly line of the alley between Jay and Oak streets, and intersections, by curbing, grading and paving.

GRIDLEY, BUTTE CO., CAL.—Street improvements. Cost not stated. Engineer, City Engineer, Gridley. Owners, City of Gridley. Bids received for improving 15 blocks in this city show Clark & Henery Co., Ochsner Bldg., Sacramento and the Municipal Improvement Co., Richmond, as the low bidders. An award of contract will be made shortly.

SACRAMENTO, CAL.—Street work. Cost not stated. Engineer, City Engineer, Sacramento. Owners, City of Sacramento. Bids will be opened on June 22nd for the following street work: Curbing, grading, paving of Schley avenue, from the easterly line of 31st street to a point 35 feet east of the easterly line of Yardley avenue. U street from the easterly line of 8th street to the westerly line of 19th street. V street, from the westerly line of 19th street to the westerly line of 21st street, to be improved.

OAKDALE, STANISLAUS CO., CAL.—Pipe line. Cost not stated. Engineer, Chief Engineer, Oakdale Irriga-

tion District, Oakdale. Owners, Oakdale Irrigation District. At the last meeting of the Oakdale Irrigation District the engineer was instructed to construct a pipe line connecting the Crane lateral with the town main ditch to supply the farmers on the lower end of the latter ditch with more water.

WILLOWS, GLENN CO., CAL.—Irrigation system. Cost not stated. Engineer, John P. Ryan, Willows. Owners, Proposed Briscoe-Stony Creek Irrigation District. Engineer John P. Ryan's proposal to form an Irrigation district west of Willows, using Briscoe and Stony Creek water to wet the fruit belt has been taken up by a number of bankers and business men in Willows, and has met with unanimous approval. Plans to develop the scheme are developing and action is expected within a few weeks.

STOCKTON, SAN JOAQUIN CO., CAL.—Street improvements, \$29,580.60. Engineer, City Engineer, Stockton. Owners, City of Stockton. Plans and specifications for the improvement of East Market street from the northerly line of Fair Oaks avenue to the westerly line of Filbert street, by grading, curbing and guttering, construction of concrete sidewalks and asphalt-concrete pavements are complete. A call for bids on this work will probably be issued at the next meeting of the Council.

STOCKTON, SAN JOAQUIN CO., CAL.—Park pumping station. Cost not stated. Engineer, City Engineer, Stockton. Owners, City of Stockton. Plans and specifications for the construction of the new pumping station for the new park in the northwestern part of this city have been adopted by the City Council and a call for bids will be issued at an early date.

OROVILLE, BUTTE CO., CAL.—Street paving. Cost not stated. Engineer, City Engineer, Oroville. Owners, City of Oroville. The City Trustees have ordered the City Engineer to prepare the necessary plans and specifications for the paving of Montgomery street from Lincoln street to 4th avenue. On completion and approval of the plans bids will be called for.

HILLSBOROUGH, SAN MATEO CO., CAL.—Sewer construction. Cost not stated. Engineer, City Engineer, Hillsborough. Owners, City of Hillsborough. At the last meeting of the Trustees the installation of an eight-inch sewer over San Mateo Creek at Baywood avenue was ordered.

SANTA CRUZ, SANTA CRUZ CO., CAL.—Street improvements. Cost not stated. Engineer, City Engineer, Santa Cruz. Owners, City of Santa Cruz. The City Engineer has been instructed to prepare plans and specifications for walks on all unfinished parts of California street, from Van Ness avenue to Rigg street. The matter of resurfacing Mission street, from Emmett to Walnut avenue, is now being considered by the Council. The City Engineer was instructed at the last meeting to prepare plans and specifications for macadamizing Lincoln street, from Chestnut to Walnut avenue.

SAN JOSE, SANTA CLARA CO., CAL.—Furnishing cement. Cost not stated. Engineer, County Surveyor, San Jose. Owners, Santa Clara County. Bids received for furnishing the county with 50,000 barrels of cement have been re-

jected by the County Supervisors. Bids tallied in every one of the 22 individual items. The bids were made by the following firms: Standard Portland Cement Co., Pacific Portland Cement Co., consolidated; Henry Cowell Lime and Cement Co., and the Santa Cruz Portland Cement Co. Whether or not new bids will be called for is not known.

RICHMOND, CONTRA COSTA CO., CAL.—Sewer system extension. Cost not stated. Engineer, City Engineer, Richmond. Owners, City of Richmond. The City Engineer and the Street Committee are considering plans for the complete sewerage of the annexed district. It is planned to put in sewers in the East Shore Park Tract, Town of Stege Tract, Central Pullman Tract, Coleman Pullman Tract, Central Richmond Tract, Walls Addition, Pullman Townsite, Coleman Park and Bay View Park.

SEBASTOPOL, SONOMA CO., CAL.—Sewer construction. Cost not stated. Engineer, Town Engineer, Sebastopol. Owners, Town of Sebastopol. Plans and specifications for the construction of the High Street sewer have been adopted by the Town Board, and were referred to the Sewer Committee. Bids on the work will soon be called for. The Sewer Committee has been instructed to purchase an amount of first class 6-inch, salt glazed sewer pipe to be used in the construction of the south side sewer. The committee will also purchase a carload of gravel.

RICHMOND, CONTRA COSTA CO., CAL.—Street paving. Cost not stated. Engineer, City Engineer, Richmond. Owners, City of Richmond. Plans and specifications for the paving of Anita and 31st streets from Cutting Boulevard to Potrero avenue with standard macadam have been ordered prepared by the City Council. On completion and adoption of the plans bids will be called for.

VACAVILLE, SOLANO CO., CAL.—Retaining wall, reinforced concrete, \$980. Engineer, Town Engineer, Owners, Town of Vacaville. L. B. Withers, Berkeley, submitted the lowest bid for the reinforced concrete retaining wall to be erected in front of the school property. His bid was \$980. He will be awarded the contract.

RIO VISTA, SOLANO CO., CAL.—Street paving. Cost not stated. Engineer, Town Engineer, Rio Vista. Owners, Town of Rio Vista. The Board of Town Trustees has passed a resolution of intention to improve Front street from the northeasterly line of Logan street to the northeasterly line of Montezuma street. The improvement will consist of concrete curbs and gutters, grading and paving. Plans and specifications for the work are now on file in the office of the Town Clerk.

FULLERTON, ORANGE CO., CAL.—Road construction. Cost not stated. Engineer, City Engineer, Fullerton. Owners, City of Fullerton. Plans for the construction of the Brea road were approved at the last meeting of the City Trustees and specifications on the work were ordered published and bids called for.

SANTA CRUZ, SANTA CRUZ CO., CAL.—Crushed rock. Cost not stated. Engineer, County Surveyor, Santa Cruz. Owners, Santa Cruz County. Bids will be opened on June 25th for furnishing

and delivering 50,000 tons of crushed rock to the County of Santa Cruz. Full particulars can be secured by addressing the County Clerk at Santa Cruz.

Contracts Awarded

SAN FRANCISCO—Sewer construction, \$65,000. Engineers, Engineering Department, Temporary City Hall, S. F. Owners, City and County of San Francisco. Contractors, Healy-Tibbitts Construction Co., S. F. Contract price, \$65,000. Note: The contract covers the construction of a large sewer in 5th street from Howard to Brannan.

SONORA, TUOLUMNE CO., CAL.—Road Construction, \$6,989. Engineer, County Surveyor, Sonora. Owners, Tuolumne County. R. Reid, Sonora, submitted the lowest figure for the construction of the new road in the Fourth Road District and will probably be awarded the contract. His bid was \$6,989.

SAN LUIS OBISPO, SAN LUIS OBISPO CO., CAL.—Oil reservoir, reinforced concrete. Cost not stated. Engineer's name not given. Owners, Producters' Transportation Co. Contractors, Allison & Cole, San Francisco. Contract price not stated.

SACRAMENTO, CAL.—Street improvement. Cost not stated. Engineer, City Engineer, Sacramento. Contractors, McGillivray Construction Co., 1007 7th street, Sacramento. Contract price not stated.

STORES AND OFFICES.

SAN FRANCISCO—Stores and offices, 2 story and base. Class C construction, \$30,000. Architect, David C. Coleman, Merchants' National Bank Bldg., S. F. Owners, San Francisco Investment Co., Clunie Bldg., S. F. The building will be erected on property recently purchased on California street east of Leidesdorff, and will have a frontage of 25 feet by a depth of 124 feet. There will be a store on the first floor and offices above. Interior will be finished in pine and hardwood. Exterior of the building will be faced with pressed brick. Plans are now being prepared.

BERKELEY, ALAMEDA CO., CAL.—Stores, 1 story, brick, \$7,000. Architect, John Hudson Thomas, First National Bank Bldg., Berkeley. Owner, E. A. Heron. The building will be erected on the south side of University avenue east of Shattuck, covering an area of 50 by 98 feet. There will be three modern stores. Interior will be finished in pine and hardwood. Patent store fronts are specified. Exterior of the building will be faced with pressed brick. Plans are out for figures and separate figures are being taken for the general construction and the plumbing.

PALO ALTO, SANTA CLARA CO., CAL.—Store addition, 1 story and base, brick. Cost not stated. Architect, Henry Shermund, Mills Bldg., S. F. Owners, Thoits Estate. The Thoits Estate building at the southwest corner of University avenue and High street has been leased to the Frazer Department store and will undergo alterations. Included in the work will be new store fronts, marble and tile wainscot, sheet metal work, masonry, interior finish, mill work and electric work and plumbing. Plans are complete and figures are now being taken.

SEALED PROPOSALS

NOTICE TO CONTRACTORS.

THE BOARD OF PUBLIC WORKS has approved specifications for the construction of the 2nd story of the Geary street car barn and will invite sealed proposals for this work; said proposals to be received on **Wednesday, June 23, 1915.**

Specifications may now be obtained upon application at the office of the City Engineer.

PROPOSALS FOR CANAL SUPPLIES.

CANAL WORK—Department of the Interior, U. S. Reclamation Service, Washington, D. C.—Sealed proposals will be received at the office of the U. S. Reclamation Service, Great Falls, Mont., until **2 o'clock p. m. July 1, 1915,** for the construction of canals and structures on the Sun River project, Mont., involving about 455,000 cubic yards of excavation, about 4,290 cubic yards of reinforced concrete, the manufacture and laying of about 4,560 lineal feet of concrete pipe, and the placing in wooden structures of about 265,000 feet, B. M., of lumber. The work is situated about 25 miles northwest of Great Falls, Mont., and about 3 miles south of the towns of Bole, Sloan and Cordova, Mont., stations on the Choteau Branch of the Great Northern Railway. For particulars address the U. S. Reclamation Service, Washington, D. C., Great Falls, Mont., or Fort Shaw, Mont. A. P. DAVIS, Chief Engineer.

PROPOSALS FOR BUILDING.

BUILDING—Sealed proposals marked "Proposals for Residence, Clackamas, Ore." and inclosed in an envelope addressed to the commissioner of fisheries, Department of Commerce, Washington, D. C., will be received until **2 o'clock p. m. June 28, 1915,** and then opened, for the construction of a superintendent's residence at the Clackamas, Ore., fisheries station. For blank proposals address the superintendent, fisheries station, Clackamas, Ore.

PROPOSAL NOTICE.

PROPOSALS for furnishing and installing a gas range in County Jail No 1 will be opened by the Board of Supervisors in open session on **June 21, 1915, at 3 p. m.**

Proposal blanks furnished on application. J. S. DUNNIGAN, Clerk.

NOTICE TO CONTRACTORS.

SEALED BIDS will be received by W. F. McClure, State Engineer, Forum Building, Sacramento, California, up to and including **12 o'clock, noon, Wednesday, July 7, 1915,** said bids then and there to be publicly opened and read for furnishing all plant, materials, and labor, and doing the work required for the complete construction and erection of a building to be known as the Power House, Chico State Normal School, Chico, California, in accordance with the plans and specifications therefor, copies of which may be obtained on application to the State Department of Engineering, Sacramento, California.

Such bids will be received for the Entire Work, and must be submitted on forms prepared and furnished by the State Department of Engineering.

Cash a bidder's bond, or a certified check in the sum of ten per centum (10%) of the amount of the bid must accompany each bid.

A deposit of Ten (\$10.00) Dollars will be required on plans and specifications, the deposit to be returned immediately on the return of the plans and specifications to the State Department of Engineering at Sacramento, California, in good condition.

The State Department of Engineering reserves the right to reject any and all bids and to waive any informality in any bid received.

All bids must be addressed to W. F. McClure, State Engineer, Sacramento, California, and plainly marked on the envelope: "Proposal for Power House, Chico State Normal School, Chico, California." (SIGNED) W. F. McCLURE, State Engineer. (*)

PROPOSAL FOR STEEL INSPECTION.

TREASURY DEPARTMENT, Office of the Supervising Architect, Washington, D. C., June 4, 1915.—SEALED PROPOSALS will be received at this office until **3 o'clock P. M., June 24, 1915,** and then opened, for the inspection of structural steel and iron work for buildings erected under the control of the United States Treasury Department, from the date of the award of this contract to the end of the fiscal year, June 30, 1916, in accordance with specifications, copies of which may be obtained by applying to this office. JAS. A. WETMORE, Acting Supervising Architect. (*)

PROPOSALS FOR REFRIGERATORS.

REFRIGERATING EQUIPMENT—United States Marine Hospital, Port Townsend, Wash., Custodian's Office.—Sealed proposals will be received at this office until **3 p. m. June 22, 1915,** and then publicly opened, for a mechanically-cooled refrigerator, refrigerating machine and ice-making compartment at this building, in accordance with specification, copies of which may be obtained upon application, custodian.

PROPOSALS FOR SUBMARINES.

SUBMARINES—Proposals for constructing by contract sixteen submarine boats, Nos. 62-77, will be received at the Navy Department until **12 o'clock noon August 2, 1915,** when they will be publicly opened. Circulars for the information of bidders and general specifications for the construction of said vessels are ready for distribution among prospective bidders. Forms of proposal and contract may be had on application to the department. FRANKLIN D. ROOSEVELT, Acting Secretary of the Navy.

PROPOSALS FOR REFRIGERATORS.

REFRIGERATORS, ETC.—Treasury Department, Office of the Supervising Architect, Washington, D. C.—Sealed proposals will be received here until **June 22, 1915,** for installing in the Port Townsend, Wash., post office, mechanically-cooled refrigerators, refrigerating machine and ice-making compartment. For further information address the supervising architect.

STEEL HIGHWAY BRIDGE.

PROPOSALS FOR STEEL HIGHWAY BRIDGE ACROSS THE COLORADO RIVER.—Department of the Interior, Office of Indian Affairs, Washington, D. C.—Sealed proposals plainly marked on the outside of sealed envelope, "Proposals for steel highway bridge across the Colorado River near Topcock (Arizona)," and addressed to the Commissioner of Indian Affairs, Washington, D. C., will be received at the Indian Office until **2:00 P. M., June 19, 1915,** for furnishing materials and labor for the construction of a steel highway bridge across the Colorado River at or near Topcock, Arizona, in strict accordance with plans, specifications, and instructions to bidders, which may be examined at the office of the paper or periodical in which this advertisement appears, at United States Indian warehouses at Chicago, Illinois, St. Louis, Missouri, and at the office of the Superintendent of the Fort Mojave School, post office address, Mojave City, Arizona. For further information apply to the Superintendent of Fort Mojave School. CATO SELLS, Commissioner.

NOTICE TO CONTRACTORS.

OFFICE CONSTRUCTING QUARTERMASTER, Fort Mason, Cal.—SEALED

PROPOSALS will be received here until 11:00 A. M., June 19, 1915, and then opened for constructing a concrete ward at Letterman General Hospital, also and addition to laboratory. Further information on application. (*)

INVITATION FOR PROPOSALS.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., June 1, 1915.—Sealed proposals will be opened in this office at 3 p. m. July 7, 1915, for the completion of the Second story of the United States Subtreasury at San Francisco, California. Drawings and specifications may be obtained from J. Milton Dyer, 825 Cuyahoga Building, Cleveland, Ohio; from J. W. Roberts, Supervising Superintendent of Construction, 403 Post Office and Court House Building, San Francisco or at this office, at the discretion of the Acting Supervising Architect, JAS. A. WETMORE, Acting Supervising Architect. (*)

PROPOSALS FOR OIL BURNING PLANT.

OIL BURNING PLANT — Treasury Department, Supervising Architect's Office, Washington, D. C.—Sealed proposals will be opened in this office at 3 p. m. June 24, 1915, for an oil burning plant for heating boilers in the U. S. marine hospital at Port Townsend, Wash., in accordance with specification and drawing, copies of which may be obtained at this office or at the office of the custodian at Port Townsend, Wash., in the discretion of the Supervising Architect. JOSEPH A. WETMORE, Acting Supervising Architect.

PROPOSALS FOR CONCRETE AND EXCAVATING.

CONCRETE AND EXCAVATION — Department of the Interior, U. S. Reclamation Service, Washington, D. C.—Sealed proposals will be received at the office of the United States Reclamation Service, Provo, Utah, until 2 o'clock p. m. June 16, 1915, for construction, involving about 25,000 cubic yards of canal excavation and about 2,600 cubic yards of reinforced concrete. The work is located near Payson City, Utah, on the San Pedro, Los Angeles and Salt Lake Railroad and the Titanic Branch of the Denver and Rio Grande Railroad. For particulars address the United States Reclamation Service, Provo, Utah, or Washington, D. C. A. P. DAVIS, Chief Engineer.

NOTICE TO CONTRACTORS.

OFFICE OF THE SUPERVISING SUPERINTENDENT OF CONSTRUCTION, Room 403, U. S. Post Office Bldg., San Francisco, California, May 26, 1915.—SEALED PROPOSALS will be received at this office until 12 o'clock M., on the 22nd Day of June, 1915, and then publicly opened for New Boiler, an Extension of Boiler House, at the U. S. Marine Hospital Station, San Francisco, California, in accordance with the drawing and specification, copies of which may be had upon application at this office, or the office of the Custodian of the Station.

J. W. ROBERTS,
Superintendent. (*)

PROPOSALS.

OFFICE OF THE BOARD OF PUBLIC WORKS of the City and County of San Francisco.

Sealed proposals will be received at this office between the hours of 2 o'clock p. m. and 3 o'clock p. m. on Wednesday, the 16th day of June, 1915, for doing the following work, including the furnishing of the necessary labor and materials therefor, to wit: Vault Work of the City Hall.

Progressive payments will be made. Said work must be done in accordance with the specifications on file in the office of the Board of Public Works. The amount of bond for faithful performance of contract has been fixed at \$5,500.00.

All proposals offered must be accompanied by a check, certified by a responsible bank, payable to the order of the Clerk of the Supervisors, for an amount not less than ten per cent of the aggregate of the proposal.

Printed proposals forms will be furnished gratuitously upon application at the office of the Architect, and all proposals must be made upon such forms.

The Board of Public Works reserves the right to reject any and all bids.

By order of the Board of Public Works.
F. J. CHURCHILL,
Secretary.

CONSTRUCTION WORK ABROAD

AUSTRALIA.

[Reuter dispatch from Sydney to Europe dated May 15.]

Comprehensive Plans for Railways, Irrigation Works, Etc.

An agreement has been signed between the New South Wales Government and Norton Griffiths & Co. for the construction of public works to the value of \$50,000,000 within five years beginning July next.

The contracting firm undertakes to finance the works, which will be constructed in accordance with plans and specifications drawn up by the Department of Works, the Government paying 5 per cent on the cost of construction, paying for the land, and providing all materials. The works embrace 10 railways, including the new Sydney scheme, and the completion of the North Coast line, two water conservation schemes, and harbor works, and the enlargement of the main canal of the Murrumbidgee irrigation area. The current-award rates will be paid to employees. Norton Griffiths & Co. also undertake to underwrite and assist the Government to raise certain loans required periodically.

Provision is made with reference to disputes and arbitration, the Minister of Works retaining the right to cancel the agreement so far as it relates to any particular work found by arbitrators and an umpire to be extravagantly preformed.

CHILE.

[Commercial Attache Verne L. Havens, Santiago, April 20.]

Railroad Construction—Electric Plant.

Bids for 75 switch sets and crossings for the National Central Railways will be opened June 23 in Santiago. Bids must be accompanied by a check for 4,000 pesos of \$0.16 each, to be increased to 10 per cent of the bid of the successful bidder.

The Ministry of Railways has consummated the purchase of the ground necessary for the construction of its new shops in San Bernardo. Several American firms are interested in this project, which will be carried out, provided funds become available and the prices bid are not unreasonable.

The Bethlehem Chile Iron Mines have been granted authority to electrify their railway between Cruz Grande and Tofo. Specifications are being prepared to ask for public bids for the construction of the railway from Pua to Traiguén.

A concession has been granted to Jorge Leroux Trouve and Louis A. Raab to establish an electric lighting, power, and traction system in Temuco, in the Province of Cautin, a town of 24,405 population. Work must begin within six months from April 7, 1915.

W. J. Bryan preaches a good sermon, but it seems somewhat out of place. It was an axiom of Cromwell to "Trust in God, but keep your powder dry." So while faith and prayer are good things it is as true in the days of Wilhelm II as it was in the days of Napoleon I, that "The Lord fights on the side of the strongest battalions." This war would never have occurred if the prayers of the Pope could have prevented it. And the idea of this country standing as an example of high motive and peace and endeavoring to wish a peace on Europe while the present powers are in control is about as effective as trying to sink a battleship with a peashooter.

Bryan is right in saying that the present war is the result of the old system. And for that reason we are concerned that the old system is not perpetuated and fastened on the whole world. To prevent this we must stand for the rights of neutrals and for humanity or expect to stand alone when we ourselves are concerned.

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ADVANCE NEWS

Classified according to Location

SAN FRANCISCO.

APARTMENT HOUSE—3 story and base, frame, \$15,000. San Francisco. Architect, Edward E. Young, 251 Kearny street, S. F. Owner, James Cantley, 1370 Green street, S. F. The building will be erected on the south side of Sacramento street west of Jones, and will have a frontage of 27½ feet by a depth of 56½ feet. Exterior has been arranged for six apartments. A private garage will occupy the basement. Interior will be finished in pine, blue gum and elm panels. Hardwood floors will be used in the principal rooms. Plans provide for steam heat and a hot water supply. All apartments will be equipped with wall beds. Marble and tile wainscot will be used in the entrance. Exterior of the building will be covered with rustic and cement plaster on metal lath. Plans are complete and figures are now being taken.

APARTMENT HOUSE—4 story and base. Class C construction. Cost not stated. San Francisco. Architect, Arthur G. Scholz, Phelan Bldg., S. F. Owner, John Edward Stiffen. The building will be erected on the east side of Hyde street, south of Ellis, covering an area of 25 by 137½ feet. Interior has been arranged for three apartments of two, three and four rooms each to the floor. Interior will be finished in pine with some hardwood floors in the living and dining rooms. There will be steam heat and automatic elevator, hot and cold water supply and vacuum cleaning. Bath rooms will be finished in tile. Exterior of the building will be faced with pressed brick trimmed with terra cotta. Plans are now being prepared.

APARTMENT HOUSE—3 story and base, brick and steel, \$45,000. San Francisco. Architects and engineers, Koenig & Christiansen, Humboldt Bank Bldg., S. F. Owner, O. A. Craemer. The building will be erected on the south side of Turk street, east of Hyde, and has been designed to contain a total of 32 apartments of two and three rooms. All apartments will have wall beds and private bath rooms. Interior finish will be of pine with hardwood panels and some hardwood floors. Plans provide for steam heat, a hot and cold water supply and vacuum cleaning. Bath rooms will be finished in tile. Marble and tile wainscot will be used in the entrance lobby. Exterior of the dwelling will be faced with pressed brick. Plans are complete and segregated figures are being taken.

APARTMENT HOUSE—3 story and base, frame. Cost not stated. San Francisco. Architects, Rousseau & Rousseau, 110 Sutter street, S. F. Owner's name withheld. The building will be erected on the east side of Seventh street south of Howard, and has been designed to contain a total of 42 apartments. Each suite will contain

one room and a kitchenette and connecting bath. Interior will be finished in pine and redwood. There will be steam heat and a hot and cold water supply. Bath rooms will be finished in imitation tile. Marble and tile wainscot will be used in the vestibule. Exterior of the building will be faced with pressed brick veneer. Plans are now being prepared.

APARTMENT HOUSE—3 story and base. Class C construction, \$25,000. San Francisco. Architect, none. Owners, McKillop Bros., 540 Cole street, S. F. The building will be erected on the west side of Mission street, south of Fourteenth, and has been designed to contain three stores on the first floor, besides fourteen modern apartments on the upper two floors. Interior finish will be of pine and redwood. All apartments will have wall beds and private baths. There will be steam heat and a hot water supply. Bath rooms will be finished in tile. Patent store fronts are specified. Exterior of the building will be faced with pressed brick. Plans are complete and in the hands of the owners who will do the work by Day Labor. Materials are now being purchased.

APARTMENT HOUSE—4 story and base. Class C construction. Cost not stated. San Francisco. Architects, Rousseau & Rousseau, 110 Sutter street, S. F. Owner's name withheld. The building will be erected in the Fifty Vara district, and has been designed to contain a total of 30 apartments, arranged in suites of two and three rooms with bath. All apartments will be equipped with wall beds. Interiors will be finished in pine and hardwood panels. Hardwood floors will be used in the living and dining rooms. Plans provide for furnace heat, hot and cold water supply, an automatic elevator and vacuum cleaning. Bath rooms will be finished in tile. Marble and tile wainscot will be used in the entrance vestibule. Exterior of the building will be faced with pressed brick trimmed with terra cotta. Plans are now being prepared.

FLATS—3 story and base, frame, \$3,000. San Francisco. Architect, A. W. Richards, 937 Church street, S. F. Owner, Michael Cain, 309 28th avenue, S. F. The building will be erected on the west side of 21st avenue north of Irving, and has been designed to contain two modern flats of five and six rooms each. Interior finish will be of pine with some hardwood veneer. Hardwood floors will be used in the living room, dining room and reception hall. There will be open fire places and tile or brick mantels. Bath rooms will be finished in tile. Automatic water heaters will be installed. Exterior of the building will be covered with rustic and cement plaster on metal lath. Plans are complete and the work will be done by Day Labor.

RESIDENCE—2 story and base, frame, \$9,500. San Francisco. Archi-

tect, Frank S. Holland, 100 Haight street, S. F. Owner's name withheld. The building will be erected in Ashbury Heights, and has been designed to contain nine rooms, bath, shower and sleeping porch. A separate garage will be erected in the rear of the property. Interior finish of the dwelling will be of pine, hardwood and white enamel. Hardwood floors will be used throughout the first story. There will be furnace heat and open fire places. Mantels will be of tile or brick. Bath rooms will be finished in tile. Automatic water heater is specified. Exterior of the dwelling will be covered with klinker brick veneer and metal lath and plaster. Plans are complete and figures are now being taken.

MUNICIPAL CAR BARNS ADDITION—1 story, reinforced concrete and steel. Cost not stated. San Francisco. Architect, City Department of Architecture, Temporary City Hall. Owners, City and County of San Francisco. Plans and specifications for the addition of one story to the present Municipal Car Barns on Geary street, have been approved and are now out for figures. Bids for this work will be opened on June 23rd. Plans and specifications can be secured from the City Department of Architecture. Bids will be taken by the Board of Public Works for this work. An official proposal appears in another column of this issue.

BRIDGE—Steel and reinforced concrete, \$120,000. San Francisco. Engineer, City Department of Engineering, Temporary City Hall, S. F. Owners, City and County of San Francisco. Plans for the new bridge to be erected over Channel street at Fourth have been completed and approved by the Board of Public Works. Bids will be opened on June 23rd. The bridge will be of the steel bascule type, supported by reinforced concrete piers. Plans and specifications can be secured from the Board of Public Works.

PASSENGER APRONS—Steel construction. Cost not stated. San Francisco. Engineer, Assistant State Engineer Newman, Ferry Bldg., S. F. Owners, State of California. Bids are now being taken for the construction of four side aprons for passengers entering and leaving the upper decks of the ferry boats. Bids will be opened on June 17th. Plans and specifications can be secured from the office of the State Board of Harbor Commissioners at the Ferry Bldg.

CITY HALL PAINTING—\$26,000. San Francisco. Architects, Bakewell & Brown, 251 Kearny street, S. F. Owners, City and County of San Francisco. Bids opened at the regular Wednesday afternoon meeting of the Board of Public Works for the painting of the new City Hall show D. Zelinsky low on propositions 1 and 2 as follows: \$26,000 and \$19,570. He will probably be awarded the contract. A complete list of the figures will be

found under the heading of San Francisco in this issue.

DETENTION HOME—9 story and base. Class A construction, \$135,000. San Francisco. Architect, Louis C. Mullgardt, Chronicle Bldg., S. F. Owners, City and County of San Francisco. The following contracts have been awarded for the construction of the new juvenile detention home: The Pacific Contracting Co., 45 Kearny street, general construction, \$97,771; Dyer Bros., structural steel, \$31,350; John Spargo, excavating and foundation work, \$4,400; Otis Elevator Co., elevator work, \$5,885; H. Larson, plumbing, \$14,350; Rex Electric Co., electrical work, \$3,635; Atlas Heating and Ventilating Co., heating and ventilating, \$3,590.

WAREHOUSE—2 story and base, brick and steel, \$30,000. San Francisco. Engineer, Henry T. Grieb, 1020 Greenwich street, S. F. Owner, Harbor Warehouse Co. The building will be erected at the northwest corner of Bay and Kearny streets and will cover an area of 205 by 133 feet. Construction will be of steel and brick. Interior will be arranged for storage. A cement floor is specified on the first floor. A portion of the first floor front will be finished for offices. There will be freight elevators, metal window sash and frames. Kinnear steel rolling doors. Exterior of the building will be faced with stock brick. Plans are complete and segregated figures are now being taken.

FLATS—2 story and base, frame, \$3,000. San Francisco. Architect, none. Owner, Thomas Kilkenny, 4438 Geary street, S. F. The building will be erected on the north line of Geary street east of 9th avenue, and will cover an area of 25 by 60 feet. There will be a store on the first floor. Upper floor will be arranged for two modern flats. Interior finish will be of pine with some elm panels. Hardwood floors will be used in the living and dining rooms. There will be an open fire place in each of the living rooms with tile or brick mantels. An automatic water heater is specified. Imitation tile wainscot will be used in the bath rooms. Exterior of the building will be covered with rustic and cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor.

SUBTREASURY COMPLETION—Class A construction. Cost not stated. San Francisco. Architect, Milton J. Dyer, 825 Cayahoga Bldg., Cleveland, Ohio. Owners, United States Government. Plans and specifications have received the official approval for the completion of the second floor of the new sutreasury building in this city. The work will include interior partitions, hardwood and metal trim, ornamental iron and bronze, marble, tile or mosaic work, plumbing, electric work and lighting fixtures by special mechanical equipment. Bids will be opened on July 7th at 3 p. m. Plans and specifications can be secured from the architect. An official proposal appears in another column of this issue.

HOSPITAL GROUP—2, 4 story and 1 2 story. Class A construction, \$400,000. San Francisco. Architect, Herman Barth, 12 Geary street, S. F. Owners, City and County of San Francisco. Competitive plans submitted by Architect Barth for the proposed south-

east addition to the present City and County Hospital have been selected by the jury. The two four-story ward buildings will be designed for male patients, while the one-story structure will be given over to female patients. Construction will be fireproof throughout. The style of architecture harmonizes with that of the present building. Details of construction have not yet been announced. Further mention will be made of the work as plans progress.

HOSPITAL INCINERATORS—Cost not stated. San Francisco. Architect, Architectural Department, Temporary City Hall, S. F. Owners, City and County of San Francisco. Plans and specifications for the incinerator to be erected at the San Francisco Hospital are complete and ready for figures, according to reports from the Bureau of Architecture. Further mention will be made of the work when bids are called for. J. E. O'Mara has been awarded the contract for the power plant for this incinerator on his bid of \$2,377.

FIRE HOUSES—2, 2 story and base. Class C construction. Cost as follow. San Francisco. Architects, Ward & Blohme, Alaska-Commercial Bldg., S. F. Owners, City and County of San Francisco. At the Friday morning session of the Board of Public Works, bids were opened for these two buildings. Contracts have not been awarded. A Kohn was low on the general construction of Engine House No. 3 at \$18,930; J. M. Lettich low on the plumbing at \$3,260, and Boynton Engineering Co. low on the electric work at \$790. Harvey A. Klyce was low on Engine House No. 5 at \$24,373; J. E. O'Mara low on the plumbing at \$3,700, and Boynton Engineering Co. low on the electric work at \$895. A complete list of these figures will be found under the heading of San Francisco in this issue.

RESIDENCE—2 story and base, frame, \$3,000. San Francisco. Architect, none. Owner, James Welch, 2442 20th avenue, S. F. The dwelling has been designed for a six-room house and will be erected on the west side of 18th avenue near Anza. Interior will be finished in pine with some elm panels. Hardwood floors will be used in the living and dining rooms. There will be furnace heat and open fire place. Mantel will be of tile or brick. Tile wainscot will be used in the bath rooms. Exterior of the house will be covered with rustic and cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor. Materials are now being purchased.

RESIDENCE—2 story and base, frame, \$3,000. San Francisco. Architect, none. Owners, Johnson & Johnson, 818 14th street, S. F. The dwelling will be erected on the west side of 17th avenue north of Clement, and has been designed for a six-room house with bath. Interior will be finished in pine with some elm panels. Hardwood floors will be used in the principal rooms. There will be an open fire place with tile or brick mantel. Tile wainscot will be used in the bath room. An automatic water heater will be installed. Exterior of the house will be covered with rustic and cement plaster on metal lath. Plans are com-

plete and in the hands of the owner who will do the work by Day Labor. Materials are now being purchased.

STORES AND OFFICES—2 story and base. Class C construction \$30,000. San Francisco. Architect, David C. Coleman, Merchants' National Bank Bldg., S. F. Owners, San Francisco Investment Co., Clunie Bldg., S. F. The building will be erected on property recently purchased on California street east of Leidesdorff, and will have a frontage of 25 feet by a depth of 124 feet. There will be a store on the first floor and offices above. Interior will be finished in pine and hardwood. Exterior of the building will be faced with pressed brick. Plans are now being prepared.

Contracts Awarded

SEWER CONSTRUCTION—\$65,000. San Francisco. Engineers, Engineering Department, Temporary City Hall, S. F. Owners, City and County of San Francisco. Contractors, Healy-Tibbitts Construction Co., S. F. Contract price, \$65,000. Note: The contract covers the construction of a large sewer in 5th street from Howard to Brannan.

CUBICAL SYSTEM—Isolation Hospital, \$7,000. San Francisco. Architect, City Department of Architecture, Temporary City Hall, S. F. Owners, City and County of San Francisco. Contractor, O. Monson. Contract price, \$7,900.

City Bids Opened.

Painting for New City Hall Largest Contract Considered at Meeting of Board of Public Works.

Bids were opened Wednesday at the regular meeting of the Board of Public Works for constructing the foundations for a tank at the Geary Street Municipal Car Barns, for painting in the new City Hall, for a power plant for the incinerator at the San Francisco Hospital and for cubical system at the Isolation Hospital.

O. Monson was awarded the contract for the cubical system at \$7,900, and J. E. O'Mara was awarded the contract for the power plant for the incinerator on his bid of \$2,377.

At the same meeting of the Board plans and specifications were approved for the second-story to be added to the Geary Street Municipal Car Barns and bids will be called for at once.

Following is a complete list of all bids received:

Painting, New City Hall.

Bidder	Prop. 1	Prop 2	Unit A
D. Zelinsky	\$26,000	\$19,970	\$ 300
F. R. Kissel....	36,353	25,853	450
W. Bernstein ..	33,230	29,230	685
J. H. Keefe & Co	31,693	25,459	750
V. J. Donovan..	42,856	28,856	2,000
G. Orsi & Co....	47,500	40,000	2,000
R. Swan	26,670	23,150	320

Foundation Work For Tank.

F. Rolandi	\$690
Eaton & Smith.....	595
J. L. McLaughlin.....	596
Barrett & Hilp.....	595
C. E. Lambruth.....	948
J. Spargo	740

Power Plant For Incinerator.

Universal Engineering Co..	\$2,560
J. H. Eisenhart.....	3,408
J. E. O'Mara.....	2,377
Z. O. Field.....	2,490

O. Monson	3,780
Cubical System, Isolation Hospital.	
E. Warden	\$8,350
E. Carlson	8,630
O. Monson	7,900

Bids were opened at the Friday morning session of the Board of Public Works for the general construction of Engine Houses Nos. 3 and 5, designed by Architects Ward & Blohme, Alaska-Commercial Bldg. Bids were also received for the plumbing and electric work on each of the buildings separately. A Kohn was low on the general construction of Engine House No. 3 at \$18,930; J. M. Lettich low on the plumbing at \$3,260, and Boynton Engineering Co. low on the electric work at \$790.

Harvey A. Klyce was low on Engine House No. 5 at \$24,373; J. E. O'Mara low on the plumbing at \$3,700, and Boynton Engineering Co. low on the electric work at \$895.

At the same meeting of the Board bids were opened for street improvements and showed the following firms low: Eaton & Smith for the improvement of Van Ness avenue from Beach to North Point at \$10,400; S. Ostrander low for paving Buena Vista avenue at \$132; Fay Improvement Co. low for improvement of 17th street between Bryn and Hampshire at \$6,855.

No bids were received for furnishing a hot air tumbler for the laundry at the San Francisco Hospital and new figures will be received on June 18th.

Following is a complete list of the bids opened on the above mentioned work:

General Construction Engine House No. 3.

Masow & Morrison.....	\$22,495
H. A. Klyce.....	19,450
J. S. Hannah.....	18,997
W. A. Newsom.....	19,577
N. A. McLean.....	20,264
Dunnivant-Oakley Co.....	19,694
A. Kohn.....	18,930
C. L. Wold.....	19,987
O. C. Holt.....	19,472
Lange & Bergstrom.....	19,872
Heckenroth & Schell.....	19,216
O. Monson.....	19,937
W. D. Henderson.....	20,774

Plumbing, Engine House No. 3.

Kiernan & O'Brien.....	\$3,569
J. E. O'Mara.....	3,300
H. Lawson.....	3,400
Wittman-Lyman Co.....	4,189
A. Coleman.....	3,539
Turner Co.....	3,890
J. M. Lettich.....	3,260
Peterson-James Co.....	4,050
S. W. Band.....	3,334
Scott Co.....	3,437
F. W. Snook.....	3,584

Electric Work, Engine House No. 3.

Boynton Elec. Co.....	\$ 790
Newberry Elec. Co.....	1,215
Rex Elec. Co.....	1,198
Globe Elec. Co.....	1,472
Central Elec. Co.....	1,448
Gas & Elec. Appl. Co.....	1,324
H. S. Tittle.....	1,246
Turner Co.....	1,390
Butte Eng. & Elec. Co.....	1,295

Plumbing, Engine House No. 5.

J. E. O'Mara.....	\$3,700
H. Lawson.....	3,875
Wittman Lyman.....	4,693
Alex. Coleman.....	3,853
Turner Co.....	4,475
J. M. Lettich.....	3,884
S. W. Band.....	3,926

Scott Co.....	4,072
F. W. Snook.....	4,067
Electric Work, Engine House No. 5.	
Boynton Elec. Co.....	\$ 895
F. E. Newberry.....	1,470
Rex Elec. Co.....	1,496
Globe Elec. Co.....	1,788
Central Elec. Works.....	1,733
Gas & Elec. Appl. Co.....	1,508

H. S. Tittle.....	1,487
Turner Co.....	1,745
Butte Eng. & Elec. Co.....	1,675
Moving House at 176 Beaver Street.	
Eaton & Smith.....	\$1,588
McKabe & Brown.....	1,400
S. W. Ross.....	1,345
Church & Clark.....	2,000
O. Monson.....	1,150

Engine House No. 5, General Construction.

Bidder	Prop. 1	Prop. 2	Prop. 3
Masow & Morrison.....	\$31,995	\$30,120	\$31,645
Collman & Collman.....	24,500	.....	.....
Harvey A. Klyce.....	24,373	.....	.....
W. A. Newsom.....	25,888	24,788	25,588
Dunnivant-Oakley Co.....	27,395	25,194	24,869
A. Kohn.....	26,115	24,700	25,865
C. L. Wold.....	27,576	26,226	27,151
E. E. Gloor.....	27,950	26,250	27,650
O. C. Holt.....	26,472	24,672	26,072
Lange & Bergstrom.....	26,088	24,619	25,938
Heckenroth & Schell.....	26,270	25,031	25,970
O. Monson.....	25,915	24,230	25,900
W. D. Henderson.....	27,273	26,220	27,153

Building Contracts Awarded

San Francisco

No.	Owner	Contractor	Amt.
1660	Raisch	Cox	3000
1661	Raisch	Cox	3000
1662	Raisch	Cox	3000
1663	Jones	Jones	2000
1664	Dahl	Dahl	2000
1665	Nelson	Nelson	2500
1666	Nelson	Nelson	2500
1667	Nelson	Nelson	2500
1668	Puccinelli	Liebert	4000
1669	Schmidt	Schmidt	700
1670	Allen	Allen	5000
1671	Koenig	Koenig	3000
1672	Moore	Herman	800
1673	Frisbie	Lang	750
1674	Shain	Heskins	600
1675	Quinn	Maguire	600
1676	Urban Rlty	Urban Rlty	10000
1677	Orpheum	Novelty	400
1678	Stiefvater	Lundholm	450
1679	Thus	Thus	400
1680	Peterson	Hansen	400
1681	Marden	Marden	400
1682	Samuels	Samuels	400
1683	Zellerbach	Hoin	600
1684	Heyman	Heyman	2250
1685	Keenan	Keenan	4900
1686	Trinity M E Ch... ..	Brown	450
1687	Frank	Frank	500
1688	Mason	Olsen	400
1689	Cope	Rednall	450
1690	Bommer	Elliot	600
1691	Kleversahl	Buckley	500
1692	Anderson	Rudametkin	500
1693	Keenan	Keenan	4900
1694	Meyer	Pinkerton	645
1695	Same	Gaspard	5649
1696	Huot Rlty	Dunn	4235
1697	Same	Kunst	1790
1698	Same	Brueck	19060
1699	Hilliard	Cole	3000
1700	Christ Scient	Leiter	3457
1701	Wanamaker	Williams	4100
1702	Graves	Cal Mill	1860
1703	Same	Vermont	3539
1704	Gantner	Binet	4500
1705	Leventritt	Fernhoff	1447
1706	Peterson	Johnson	4634
1707	Volpe	Farnochio	1500
1708	Same	Same	1500
1709	Hansen	Segurson	2000
1710	Loretz	Stanley	500
1711	Hanlon	Hanlon	400
1712	Pidge	Pidge	400
1713	Mann	Stiefel	600
1714	Salvarezza	Canapa	400
1715	Foppiano	Foppiano	400
1716	Hermann	Atlas Heating	400
1717	Ross	Hantzsche	400
1718	Herrschafft	Herrschafft	500
1719	Walker	Farquharson	600
1720	Grace	Grace	1500
1721	Twombly	Lehnan	400
1722	Cain	Cain	3000
1723	Vebner	Smith	600
1724	Weil	Carson	900
1725	Peterson	Glaser	700
1726	Bothin	Bothin	400
1727	Priscot	Priscot	480
1728	Morshead	Auto Refng	2650
1729	City of S F	Grafer	925
1730	Vigneau	Grahn	1625

1731	Giannini	Fillipis	3160
1732	Kilkenny	Kilkenny	2800
1733	Mengenbauer	Schaadt	1000
1734	Sheehan	Crothers	900
1735	Rolph	Rolph	800
1736	Hewitt	Hewitt	950
1737	Morton	Morton	800
1738	Utoft	Utoft	1000
1739	Scoonover	Ward	2000
1740	Costello	Costello	450
1741	Marich	Landis	900
1742	Barry	Barry	950
1743	Denhardt	Heden	700
1744	Craemer	Craemer	30000
1745	Ryan	Ichters	1300
1746	Buck	Williams	20500
1747	Hale	Barrett	2700

DWELLING

(1660) W FOURTH AVE, 220 S Par-nassus. Two-story and basement dwelling.

Owner.....A. J. Raisch, Crocker Bldg., San Francisco.

Architect....None.

Contractor..Cox Bros., 1375 9th Ave., San Francisco.

COST, \$3000

DWELLING

(1661) W FOURTH AVE, 245 S Par-nassus. Two-story and basement frame dwelling.

Owner.....A. J. Raisch, Crocker Bldg., San Francisco.

Architect....None.

Contractor..Cox Bros., 1375 9th Ave., San Francisco.

COST, \$3000

DWELLING

(1662) W FOURTH AVE, 270 S Par-nassus. Two-story and basement dwelling.

Owner...A. J. Raisch, Crocker Bldg., San Francisco.

Architect....None.

Contractor..Cox Bros., 1375 9th Ave., San Francisco.

COST, \$3000

DWELLING

(1663) W TWENTY-THIRD AVE, 75 N Anza. Two-story and basement frame dwelling.

Owner.....Thos. M. Jones, 37 Guerre-ro street, S. F.

Architect....Owner.

COST, \$2000

FLATS

(1664) E TWENTY-EIGHTH AVE, 175 N Geary. Two-story and basement frame (2) flats (24-10x55-6).

Owner.....E. Dahl and G. E. Cruden,
1808 Hayes, S. F.
Architect...None.
Day's work. COST, \$2000

DWELLING

(1665) W TWENTY-EIGHTH AVE 341
S Lincoln Way. Two-story and base-
ment frame dwelling.

Owner..F. Nelson, 30 Presidio Terrace,
San Francisco.
Architect...None.
Day's work. COST, \$2500

DWELLING

(1666) W TWENTY-EIGHTH AVE 275
S Lincoln Way. Two-story and base-
ment frame dwelling.

Owner....F. Nelson, 30 Presidio Ter-
sidio Terrace, S. F.
Architect...None.
Day's work. COST, \$2500

DWELLING

(1667) W TWENTY-EIGHTH AVE 408
S Lincoln Way. Two-story and base-
ment frame dwelling.

Owner....F. Nelson, 30 Presidio Ter-
sidio Terrace, S. F.
Architect...None.
Day's work. COST, \$2500

FRAME FLATS

(1668) S MAGNOLIA AVE 27-6 E
Webster E 27-6xS 120. All work ex-
cept fixtures, finish hardware and
shades for two-story basement flats
with garage.

Owner.....Adolph Puccinelli.
Architect....A. Fraschina, 6 Imperial
Ave., S. F.
Contractor..Liebert & Martinelli, 159
Julian Ave., S. F.
Filed June 5, '15. Dated June 5, '15.
frame flats with garage.
Brown coated 1000
Completed and accepted 1000
Usual 35 days 1000
TOTAL COST, \$4000

Bond, \$2000. Sureties, John Banachow-
ski and Pilade Carmignani. Forfeit, \$5.
Limit, 90 days from granting permit.
Plans and specifications filed.

FRAME DWELLING

(1669) E ANDERSON 125 W Powhat-
tan. One-story and basement frame
dwelling.

Owner.....John C. Schmidt, 91 Ells-
worth, San Francisco.
Architect...None.
Contractor..John C. Schmidt, 91 Ells-
worth, San Francisco.
COST, \$700

FRAME DWELLING

(1670) E EIGHTH AVE 35 N Moraga.
Two-story and basement frame
dwelling.

Owner.....Gertrude B. Allen, Care
Allen & Co., 123 Sutter,
San Francisco.
Architect...Albert Farr, Foxcroft
Bldg., San Francisco.
Contractor..H. B. & L. D. Allen, 128
Sutter, San Francisco.
COST, \$5000

FRAME DWELLING

(1671) SW IRVING AND FIFTEENTH
Ave. Two-story and basement frame
dwelling.

Owner.....Wm. Koenig, 750 Parnassus
Ave., San Francisco.
Architect...None.
Day's work. COST, \$3000

CONSTRUCT ENTRANCE

(1672) NO. 1053 MARKET. Construct
entrance.

Owner.....H. J. Moore.
Architect...None.
Contractor..Herman & Ludwig, 636
Jessie, San Francisco.
COST, \$800

FRAME DWELLING

(1673) N SANTIAGO 82-6 W 17th Ave.
One-story and basement frame dwlg.

Owner.....Mrs. Frisbie.
Architect...None.
Contractor..A. Lang, 1850 19th Ave.,
San Francisco.
COST, \$750

ALTERATIONS

(1674) NO. 246 TWELFTH AVE.
Minor changes on dwelling.

Owner.....A. Shain, Premises.
Architect...None.
Contractor..— Heskins.
COST, \$600

REPAIRS

(1675) NO. 42 GROVE. Repair fire
damage on dwelling.

Owner.....Jas. R. Quinn, 2561 San
Bruno, San Francisco.
Architect...None.
Contractor..Jos. Maguire, 2559 San
Bruno, San Francisco.
COST, \$600

FRAME RESIDENCE

(1676) N MERCEDES WAY 225 E
Junipero Sierra Boulevard. Two-
story and basement frame residence.

Owner.....Urban Realty Improvement
Co., 858 Cerritos Ave., S. F.
Architect...Jos. A. Leonard, 85 Cer-
ritos Ave., San Francisco.
Day's work. COST, \$10,000

ELECTRIC SIGN

(1677) NO. 147 O'FARRELL Electric
sign.

Owner.....Orpheum Circuit, Premises
Architect...None.
Contractor..Novelty Elec. Sign Co., 165
Eddy, San Francisco.
COST, \$400

GLASS PARTITIONS

(1678) NO. 225 SACRAMENTO. Erect
glass partition and skylight.

Owner.....Stiefvater & Munch, Prem.
Architect...None.
Contractor..J. M. Lundholm, 1717 Wood
Alameda.
COST, \$450

ALTERATIONS

(1679) NO. 1534 IRVING. Alter front
for garage.

Owner.....A. Thus, Premises.
Architect...None.
Day's work. COST, \$400

ALTERATIONS

(1680) NO. 7 MARKET. Alter bakery.

Owner.....Jacob Peterson, Premises.
Architect...None.
Contractor..C. W. Hansen, 110 Jessie,
San Francisco.
COST, \$400

DWELLING

(1681) — TWENTY-SEVENTH AVE
200 S Lawton. One-story and base-
ment frame dwelling.

Owner.....E. E. Marden, 410 22nd
Ave., San Francisco.
Architect...None.
Day's work. COST, \$400

FRAME GARAGE

(1682) NO. 2056 MARKET. One-story
frame garage.

Owner.....Wm. Samuels, 243 Clin-
ton Park, San Francisco.
Architect...None.
Day's work. COST, \$400

ALTERATIONS

(1683) NO. 1560 SACRAMENTO. Ce-
ment plaster front and extend stairs.

Owner.....Zellerbach & Levison, 1549
California, S. F.
Architect...None.
Contractor..Theo. S. Hoin, 1449 Hyde,
San Francisco.
COST, \$600

FRAME DWELLING

(1684) N BALBOA 82-6 E 45th Ave.
Two-story and basement frame dwlg.

Owner.....Oscar Heyman & Bro., 742
Market, San Francisco.
Architect...None.
Day's work. COST, \$2250

FRAME FLATS

(1685) E SEVENTEENTH AVE 175 N
California. Two-story and basement
frame flats.

Owner.....H. C. Keenan, 300 Webster,
San Francisco.
Architect...None.
Contractor..H. C. Keenan, 300 Webster,
San Francisco.
COST, \$4900

CONCRETE WALL, ETC.

(1686) SE MARKET, SIXTEENTH &
Noe. Concrete wall and ratproof
stores.

Owner.....Trinity Methodist Episco-
pal Church, Premises.
Architect...None.
Contractor..J. C. Brown, 172 Caselli,
San Francisco.
COST, \$450

GARAGE, ETC.

(1687) W TWENTY-NINTH AVE 167-6
S Anza. Construct garage and change
steps.

Owner.....J. H. Frank, 639 29th Ave.,
San Francisco.
Architect...None.
Day's work. COST, \$500

FRAME DWELLING

(1688) N TWENTY-FOURTH 200 W
Castro. One-story and basement
frame dwelling.

Owner.....Mrs. E. J. Greer Mason,
4136 24th, S. F.
Architect...None.
Contractor..A. E. Olsen, 1379 15th Ave.,
San Francisco.
COST, \$400

ADD BATH

(1689) NO. 2512 UNION. Add bath.

Owner.....Mrs. Cope, Premises.
Architect...None.
Contractor..W. W. Rednall, 2500 Fil-
bert, San Francisco.
COST, \$450

REPAIRS

(1690) SE HAYES AND STANYAN.
Repair fire damage.

Owner.....Anna C. Brommer, Prem.
Architect...None.
Contractor..E. W. Elliot, 180 Jessie,
San Francisco.
COST, \$600

(1691) NO. 351 BEVERLY. Add one room and porch.
Owner.....F. Klevesahl, 39 28th, S. F.
Architect...None.
Contractor...D. Buckley, 14th and Guerrero, San Francisco.
COST, \$500

ALTERATIONS

(1692) NO. 2100 TWENTY-SECOND. Alter for store and dwelling.
Owner.....Anton Anderson, Prem.
Architect...None.
Contractor...John Rudametkin, 871 Rhode Island, S. F.
COST, \$500

FRAME FLATS

(1693) E SEVENTEENTH AVE 200 N California. Two-story and basement frame flats.
Owner.....H. C. Keenan, 300 Webster, San Francisco.
Architect...None.
Contractor...H. C. Keenan, 300 Webster, San Francisco.
COST, \$4900

FRAME FLATS

(1694) E SIXTEENTH AVE 123-6 S California S 30x E 120. Plumbing, sewerage and draining for two-story frame flats with garage.
Owner.....Milton Meyer, 244 Kearny, San Francisco.
Architect...Benj. S. Hirschfeld, 251 Kearny, San Francisco.
Contractor...James H. Pinkerton, 2266 Fulton, San Francisco.
Filed June 7, '15. Dated June 7, '15.
Roughed in\$242.25
Completed and accepted..... 242.25
Usual 35 days..... 161.00
TOTAL COST, \$645.50
Bond, none. Limit, 90 days. Forfeit, \$5. Plans and specifications filed.

(1695) ALL WORK EXCEPT PLUMBING on above.
Contractor...Gaspard, McKay Co.
Filed June 7, '15. Dated June 7, '15.
Progressive payments on 15th of each month 25%
Usual 35 days..... 25%
TOTAL COST, \$5649
Bond, \$2824.50. Surety, Maryland Casualty Co. Limit, Sept. 4, 1915. Forfeit, none. Plans and specifications filed

FRAME APARTMENTS

(1696) SW PAGE AND SCOTT 37-6x 100. Steam heating, hot water, plumbing, oil burning apparatus for three-story frame and brick veneer apartments.
Owner.....The Huot Realty Co.
Architect...John J. Foley, 46 Kearny, San Francisco.
Contractor...Neil H. Dunn, 227 Ash Ave., San Francisco.
Filed June 9, '15. Dated June 2, '15.
Roughed in\$1587.50
Completed and accepted..... 1587.50
Usual 35 days..... 1060.00
TOTAL COST, \$4235.00
Bond, \$2118. Sureties, Thos. O'Day and W. E. Snook. Limit, 35 days. Forfeit, none. Plans and specifications filed.

(1697) PAINTING, PAPERING, STAINING and varnishing on above.
Contractor...Henry Kunst.
Filed June 9, '15. Dated June 2, '15.
1 coat on outside and 2 coats on inside\$671
Completed and accepted..... 671

Usual 35 days..... 448
TOTAL COST, \$1790
Bond, \$895. Sureties, Matthew J. Mitchell and Edw. Kennedy. Limit, 30 days. Forfeit, none. Plans and specifications filed.

(1698) EXCEPT PAINTING & PLUMBING, etc., on above.
Contractor...Michael Brueck, 600 Charter Oak, S. F.
Filed June 9, '15. Dated May 27, '15.
1st floor joists in place.....\$1000
Frame completed and roof on... 3765
Brown coated, brick veneer and rustic in place..... 4765
Completed and accepted..... 4765
Usual 35 days..... 4765
TOTAL COST, \$19,060
Bond, \$9530. Sureties, Jos. Cereghino and Philip J. Bailey. Limit, 100 days. Forfeit, none. Plans and specifications filed.

CONCRETE GARAGE

(1699) W THIRD AVE 100 S Clement 75x120. All work for one-story concrete garage.
Owner.....Geo. B. and Sarah J. Hilliard, 323 3rd Ave., S. F.
Architect...Wright & Rushforth, 354 Pine, San Francisco.
Contractor...Percy J. Cole, 110 Jessie, San Francisco.
Filed June 9, '15. Dated June 3, '15.
Concrete walls are poured.....\$1125
Completed and accepted..... 1125
Usual 35 days..... 750
TOTAL COST, \$3000
Bond, \$1500. Surety, Chicago Bonding & Surety Co. Limit, 45 days after June 7. Forfeit, \$5. Plans and specifications filed.

ROUGH CARPENTER WORK

(1700) N HAIGHT 187-6 E Central Ave E 75xN 137-6. Rough carpenter work for building.
Owner.....Third Church of Christ Scientist of San Francisco.
Architect...Edgar A. Mathews, 251 Post, San Francisco.
Contractor...E. T. Leiter & Sons, Inc., 251 Post, San Francisco.
Filed June 9, '15. Dated June 4, '15.
On 10th of each month..... 75%
Usual 35 days..... 25%
TOTAL COST, \$3457
Bond, none. Limit, 70 days. Forfeit, none. Plans and specifications filed.

EXHIBIT BUILDING

(1701) EXPOSITION SITE. All work for exhibit building (The Rodman Wanamaker Historical Expedition to the North American Indian in Palace of Education and Social Economy building.
Owner.....Rodman Wanamaker, N. Y.
Architect...Thos. F. Burditt.
Contractor...L. A. Williams & Son, 87 7th Ave., San Francisco.
Filed June 9, '15. Dated June 5, '15.
Completion of frame.....\$1500
Completed and accepted..... 1500
Usual 35 days..... 1100
TOTAL COST, \$4100
Bond, none. Limit, June 26, 1915. Forfeit, none. Plans and specifications filed.

RESIDENCE

(1702) E SCOTT bet. Green and Union 50x135; No. 2820 Scott. Mill work of white cedar for residence.
Owner.....Maude James Graves, Premises.

Architect...L. Kreiss & Sons, Sutter & Stockton, San Francisco.
Contractor...The California Mill Co., 645 Bryant, S. F.
Filed June 9, '15. Dated June 8, '15.
On 10th of each month..... 75%
Usual 35 days..... 25%
TOTAL COST, \$1860
Bond, none. Limit, 40 days. Forfeit, \$10. Plans and specifications filed.

(1703) CERTAIN MARBLE WORK ON above.
Contractor...Vermont Marble Co., 244 Brannan, San Francisco.
Filed June 9, '15. Dated June 8, '15.
Payments same as above.....
TOTAL COST, \$3539
Bond, none. Limit, 60 days. Forfeit, \$10. Plans and specifications filed.

FRAME FLATS

(1704) N DORLAND 85 E Dolores 25x 65. All work for two-story and basement frame flats.
Owner.....Amendes T. and Dora A. Gantner, 3818 17th, S. F.
Designer...John J. Binet Co.
Contractor...John J. Binet Co., 68 Ramona, San Francisco.
Filed June 9, '15. Dated June 7, '15.
Frame up\$1125
Brown coated 1125
Completed 1125
Usual 35 days..... 1125
TOTAL COST, \$4500
Bond, none. Limit, 90 days from June 14, 1915. Forfeit, none. Plans and specifications filed.

ALTERATIONS

(1705) NO. 1335 FILLMORE. Restore and put in perfect condition premises occupied by M. K. Choy & Co.
Owner.....Marion Leventritt, N. Y.
Architect...G. Albert Lansburgh, M. A. Gunst Bldg., S. F.
Contractor...F. J. Fernhoff.
Filed June 9, '15. Dated June 8, '15.
Completed and accepted..... 75%
Usual 35 days..... 25%
TOTAL COST, \$1447
Bond, \$750. Surety, Commonwealth Bonding & Casualty Insurance Co. Limit, 30 days from recording. Forfeit, none. Plans and specifications, none.

FRAME FLATS

(1706) W FIFTH AVE 75 N Cabrillo 25 feet front and 25 feet rear and 95 feet deep. All work for two-story and basement frame flats.
Owner.....Jens A. Peterson.
Architect...M. I. Schwartz, Nevada Bank Bldg., S. F.
Contractor...J. Harold Johnson, 740 9th Ave., San Francisco.
Filed June 9, '15. Dated June 4, '15.
Rough frame up and roof boards on\$1158
Brown coated, building enclosed 1158
Completed and accepted..... 1158
Usual 35 days..... 1160
TOTAL COST, \$4634
Bond, none. Limit, 75 days from June 15, 1915. Forfeit, none. Plans and specifications filed.

(1707) N COTTER 150 E San Jose. One-story and basement frame dwlg.
FRAME DWELLING
Owner.....A. Volpe and J. Farnocchia, 1654 San Jose, S. F.
Architect...None.
Contractor...Farnocchia-Petri Co., 1654 San Jose.
COST, \$1500

FRAME DWELLING

(1708) N COTTER 125 E San Jose.
One-story and basement frame dwlg.
Owner.....A. Volpe and J. Farnocchia, 1654 San Jose, S. F.
Architect...None.
Contractor..Farnocchia-Petri Co., 1654 San Jose.
COST, \$1500

FRAME SHOP

(1709) N TOWNSEND 275 E Fourth.
Two-story frame machine shop.
Owner.....Hansen & Bain, 244 Townsend, San Francisco.
Architect...John A. Ettler, 604 Mission, San Francisco.
Contractor..Segurson Bros., 308 Guerrero, San Francisco.
COST, \$2000

ALTERATION

(1710) NO. 132 FAIRMOUNT. Alter dwelling.
Owner.....Henry Loretz.
Architect...None.
Contractor..Geo. W. Stanley, 455 Sanchez, San Francisco.
COST, \$500

FRAME DWELLING

(1711) N LAKEVIEW 37-6 W Granada. One-story and basement frame dwelling.
Owner.....Michael Hanlon, 1123 Plymouth Ave., S. F.
Architect...None.
Day's work.
COST, \$400

ALTERATIONS

(1712) 2412 Geary. Alter for wash room.
Owner.....Wm. C. Pidge, 750 7th Ave., San Francisco.
Architect...None.
Day's work.
COST, \$400

ADDITION

(1713) 12-14 JOHNSTON AVE. New foundation and add bath.
Owner.....R. Mann, 3407 Geary, S. F.
Architect...None.
Contractor..John V. Stiefel, 739 11th Ave., San Francisco.
COST, \$600

ADDITION

(1714) NO. 888 NORTH POINT. Add three rooms.
Owner...Maria Salvarezza, Prem.
Architect...None.
Contractor..Mario Canepa, 721 Chestnut, San Francisco.
COST, \$400

ERECT WALL

(1715) N UNION 110 W Leavenworth. Erect wall.
Owner.....S. Foppiano.
Architect...None.
Day's work.
COST, \$400

HEATING SYSTEM

(1716) NO. 945 JONES. Steam heating system, piping and radiators for flats.
Owner.....Mrs. Hermann, Premises.
Architect...None.
Contractor..Atlas Heating & Ventilating Co., 4th & Freelon, S. F.
COST, \$400

ALTERATIONS

(1717) NO. 446 THIRTY-THIRD AVE. Raise and alter dwelling.
Owner.....D. L. Ross, Premises.
Architect...None.

Contractor..Hantzsche & McKay, 528 31st Ave., San Francisco.
COST, \$400

ADDITION

(1718) E TWENTY-FOURTH AVE 75 N Judah. Raise and add 2 rooms.
Owner.....C. Herrschaft, Premises.
Architect...None.
Day's work.
COST, \$500

BRICK CHIMNEY

(1719) SW GOUGH AND JACKSON. Erect brick chimney.
Owner.....Mrs. C. Walker, 1901 Jackson, San Francisco.
Architect...None.
Contractor..D. B. Farquharson, 1760 Ellis, San Francisco.
COST, \$600

FRAME DWELLING

(1720) W UTAH 150 N 24th. One-story and basement frame dwlg.
Owner.....J. T. Grace, 1013 Rhode Island, San Francisco.
Architect...None.
Day's work.
COST, \$1500

ALTERATIONS

(1721) NO. 75 FOURTH. Alterations.
Owner.....Mary M. Twombly, 419 28th, Oakland.
Architect...None.
Contractor..J. Lehnan, 959 Alpine, Oakland.
COST, \$400

FRAME FLATS

(1722) W TWENTY-FIRST AVE 125 N Irving. Two-story and basement frame (2) flats.
Owner.....Michael Cain, 309 28th Ave., San Francisco.
Architect...None.
Day's work.
COST, \$3000

ALTERATIONS

(1723) NO. 348 CLEMENT. Alter bakery.
Owner.....Mr. Vebner, Premises.
Architect...None.
Contractor..C. H. Smith, 292 3rd Ave., S. F.
COST, \$600

ALTERATIONS

(1724) JACKSON AND DIVISADERO. Minor alterations on dwelling.
Owner.....Mrs. A. Weil, Care Architect.
Architect...G. A. Landsburgh, 709 Mission, San Francisco.
Contractor..Otto Carson.
COST, \$900

BAKE OVEN

(1725) NO. 7 MARKET. Install bake oven.
Owner.....Jacob Peterson, Premises.
Architect...None.
Contractor..J. P. Glaser, 2070 Union, San Francisco.
COST, \$700

EXCAVATE, ETC.

(1726) NOS. 1439-45 GREENWICH. Excavate, underpin and general repairs.
Owner.....Bothin Real Estate Co., 604 Mission, S. F.
Architect...J. A. Ettler, Atlas Bldg., San Francisco.
Day's work.
COST, \$400

ALTERATIONS

(1727) NO. 375 SUTTER. Alter.

Owner.....Thos. A. Prisco, Prem.
Architect...None.
Day's work.
COST, \$180

REFRIGERATING PLANT

(1728) NO. 1001 CALIFORNIA. All work for installation of refrigerating plant for apartment house.
Owner.....S. W. Morshead, Mills Bldg., San Francisco.
Architect...Houghton Sawyer, Sharon Bldg., San Francisco.
Contractor..The Automatic Refrigerating Co., Holbrook Bldg., San Francisco.
Filed June 10, '15. Dated Apr. 29, '15.
On delivery 25%
On completion 50%
Usual 35 days.....Balance
TOTAL COST, \$2650.25
Bond, \$1326. Surety, National Surety Co. of New York. Limit, forfeit, none. Plans and specifications filed.

PAINTING, ETC.

(1729) SW TWENTY-FOURTH AND Bartlett W 117-6xS 65. Painting and finishing for Mission Branch of San Francisco Public Library.
Owner.....City & County of S. F., State of California by Board of Trustees of Public Library and Reading Rooms.
Architect...G. Albert Lansburgh, M. A. Gunst Bldg., S. F.
Contractor..Harry Graper, 50 Farren, San Francisco.
Filed June 10, '15. Dated June 4, '15.
On completion 75%
Usual 35 days..... 25%
TOTAL COST, \$925
Bond, \$463. Surety, Massachusetts Bonding & Insurance Co. Limit, 30 days after completion of finish. Forfeit, \$10. Plans and specifications filed.

FRAME COTTAGE

(1730) W PEABODY 34-6 S Visitacion Ave. All work for five-room frame cottage and basement.
Owner.....Pierre Vigneau.
Architect...Wm. H. Grahm.
Contractor..Wm. H. Grahm, 2840 Bryant, San Francisco.
Filed June 10, '15. Dated June 4, '15.
Frame up\$406.25
Brown coated 406.25
Completed 406.25
Usual 35 days..... 406.25
TOTAL COST, \$1625.00
Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications filed.

FRAME STORE AND FLAT

(1731) S PACIFIC AVE 25 E Leavenworth E 25xS 68-6. All work except clothes drier, and stairs to roof from 2d floor, street sewer and mantel in parlor for two-story frame store and flat.
Owner.....Daniele Giannini, 1973 Union, San Francisco.
Architect...Chas. Fantoni, 916 Kearny, San Francisco.
Contractor..V. Fillipis, 866 Union, S. F.
Filed June 10, '15. Dated June 8, '15.
Roofed\$700
Brown coated 790
Completed and accepted..... 790
Usual 35 days..... 790
TOTAL COST, \$3160
Bond, \$1580. Sureties, Pacific Coast Casualty Co. Limit, 90 days. Forfeit, \$3. Plans and specifications filed.

FRAME FLATS AND STORE

(1732) N GEARY 57-6 E Ninth Ave.
Two-story frame (2) flats and store.
Owner.....Thomas Kilkenny, 4438
Geary, San Francisco.
Architect...None.
Day's work. COST, \$2800

FRAME DWELLING

(1733) E HOWTH 130 N Geneva. One
story and basement frame dwelling.
Owner.....Miss Mengenbauer and R.
M. Schaadt, 135-A Albion
Ave., San Francisco.
Architect...None.
Contractor..R. M. Schaadt, 135-A Al-
bion Ave., San Francisco.
COST, \$1000

ALTERATIONS

(1734) NE GREAT HIGHWAY AND
Fulton. Alter cafe and dance hall.
Owner.....M. Sheehan, Premises.
Architect...None.
Contractor..F. Crothers, 1426 10th Ave.,
San Francisco.
COST, \$900

FRAME DWELLING

(1735) E NORDHOFF 135 S Mangels.
One-story and basement frame dwlg.
Owner.....Arthur Rolph, 21 Nordhoff,
San Francisco.
Architect...None.
Day's work. COST, \$800

ALTERATIONS

(1736) NO. 2338 TWENTY-FOURTH.
Alter flats.
Owner.....Mrs. E. Hewitt, Premises.
Architect...None.
Day's work. COST, \$950

FOUNDATION, ETC.

(1737) NO. 1727 CABRILLO. Con-
struct foundation and garage.
Owner.....R. H. Morton, Premises.
Architect...None.
Day's work. COST, \$800

REPAIRS

(1738) NO. 721 BERLIN. Repair fire
damages.
Owner.....Niels Utoft, Premises.
Architect...None.
Day's work. COST, \$1000

REPAIRS

(1739) NO. 2058 MISSION. Repair fire
damage.
Owner.....Frank M. Scoonover, 5
Montgomery, S. F.
Architect...None.
Contractor..Ward & Goodwin, 110
Jessie, San Francisco.
COST, \$2000

ALTERATIONS

(1740) NW FLORIDA AND TWENTY-
third. Alter front of store.
Owner.....John Costello, 2902 23rd,
San Francisco.
Architect...None.
Contractor..Costello & Ferrick, 93
College Ave., S. F.
COST, \$450

ALTERATIONS

(1741) NO. 180 O'FARRELL. Alter
front and shelving.
Owner.....Marich & Landis, 726 Mar-
ket, San Francisco.
Architect...W. Garlen, 1014 Masonic,
San Francisco.
Day's work. COST, \$900

REPAIRS

(1742) NO. 73 CHULA LANE. Repair
dwelling.
Owner.....John H. Barry, Herald
Hotel, San Francisco.
Architect...None.
Day's work. COST, \$950

ALTERATIONS

(1743) NO. 2006 TWENTY-SECOND.
Alter dwelling.
Owner.....Fred Denhardt, Premises.
Architect...None.
Contractor..G. Heden, 116 Sussex,
San Francisco.
COST, \$700

ERICK APARTMENTS

(1744) S TURK 47-6 E Hyde. Three-
story and basement brick (32)
apartments.
Owner.....O. A. Craemer, 110 Jessie,
San Francisco.
Engineers...Koenig & Christiansen,
914 Humboldt Bank Bldg.,
San Francisco.
Day's work. COST, \$30,000

ALTERATIONS

(1745) E JOYCE 56 S Clay E 83-6 N
56 W — S 56. All work for altera-
tions and additions to frame bldg.
Owner.....Ellen Ryan.
Architect...None.
Contractor..Ickters & Grell.
Filed June 11, '15. Dated June 10, '15.
10 days after commencement....\$325
Terrazzo steps set..... 325
Completed and accepted..... 325
Usual 35 days..... 325
TOTAL COST, \$1300
Bond, none. Limit, 35 days. Forfeit,
none. Plans and specifications filed.

RESIDENCE

(1746) SE JACKSON AND CHERRY S
32-21 1/2 E 117-9 W A 843. All work
for two-story and basement brick,
frame and plaster residence.
Owner.....Walter E. Buck, Care As-
sociated Oil Co., Sharon
Bldg., San Francisco.
Architect...Macdonald & Macdonald,
58 Sutter, San Francisco.
Contractor..Williams Bros. & Hender-
son, Holbrook Bldg., S. F.
Filed June 11, '15. Dated June 10, '15.
On 15th of each month..... 75%
Usual 35 days..... 25%
TOTAL COST, \$20,500
Bond, none. Limit, Nov. 15, 1915. For-
feit, none. Plans and specifications
filed.

FRAME STORES

(1747) W FILLMORE 53 S Ellis. All
work for one-story frame stores.
Owner.....Hale Bros., Inc., 5th and
Market, San Francisco.
Architect...Barrett & Hilp.
Contractor..Barrett & Hilp, 424 Sharon
Bldg., San Francisco.
Filed June 11, '15. Dated June 8, '15.
Frame up ready for plaster.....\$675
Plastering completed 675
Accepted 675
Usual 35 days..... 675
TOTAL COST, \$2700
Bond, \$1350. Surety, Hartford Acci-
dent & Indemnity Co. Limit, 35 days.
Forfeit, \$9. Plans and specifications
filed.

LEASE.

June 11, 1915—NO. 335 STOCKTON.
The Central Realty Co to Geo D
Gillespie. 10 years. \$10,800.
June 7, 1915—NO. 3301 FILLMORE and
2110 Lombard; NW Cor., with option
to renew. A. Davidson to Peter P.
Callaghan. 10 months. \$4000.

INCORPORATIONS.

G. S. F. C. Co. Capital stock, \$50,000;
subscribed, \$30; shares \$10 each. Direc-
tors—A. M. Marks, L. H. Bien, L. L.
Jacobs, 1 share each. Place of busi-
ness, San Francisco.

Independent Ice Delivery Co. Capital
stock, \$100,000; subscribed \$30; shares
\$10 each. Directors—G. Fisher, C. Mas-
sie, A. A. Cohen, 1 share each. Place of
business, San Francisco.

Independent Ice and Cold Storage
Co. Capital stock, \$1,000,000; sub-
scribed \$300; shares \$100 each. Direc-
tors—C. Massie, H. Loch, G. V. Kle-
meyer, 1 share each. Place of business,
San Francisco.

Olympian Dredging Co. Capital
stock, \$1,000,000; subscribed \$700;
shares \$10 each. Directors—W. E.
Palmer, A. W. Stetson, A. E. Wilkin-
son, F. F. Cooper, I. L. Borden, J. S.
Spilman, T. E. Haven, 1 share each.
Place of business, San Francisco.

Meeve Manufacturing Co. Capital
Stock, \$10,000; subscribed, \$30; shares,
\$10 each. Directors—H. Meeve, W. C.
Mathewson, A. Meeve, 1 share each.
Place of business, San Francisco.

Ingersoll Rand Co. of California.
Capital Stock, \$10,000; subscribed, \$10,-
000; shares, \$100 each. Directors—G. E.
Weaver, 96 shares; W. Shelton, D. L.
Levy, R. W. Kearney, E. Joss, 1 share
each. Place of business, S. F.

E. E. Quayle Co. Capital Stock,
\$10,000; subscribed, \$3; shares, \$1 each.
Directors—E. E. Quayle, S. E. Atherton
J. Corgist, 1 share each. Place of
business, San Francisco.

F. A. Hihn Co (Certified). Capital
Stock, \$240,000; subscribed, \$60,100;
shares, \$40 each. Directors—F. A.
Hihn, T. Hihn, W. T. Cope, K. C. Cope,
F. O. Hihn et al. Place of business,
San Francisco.

Thermal Date Groves Incorporated.
Capital Stock, \$20,000; subscribed, \$500;
shares \$100 each. Directors—E. D. Bul-
lard, A. S. Keeler, F. B. Kellaw, R. A.
Postlethwaite and F. Bishop, 1 share
each. Place of business, San Francisco.

Tulare Water Co. Capital Stock,
\$100,000; subscribed, \$30; shares \$1.00
each. Directors—W. S. Mitchell, M. C.
Wilson, F. I. Ford, 10 shares each.
Place of business, San Francisco.

Delisco Concession Co. Capital Stock
\$40,000; subscribed, \$40; shares \$10
each. Directors—J. R. Kelly, W. G.
Weiss, E. E. Herrscher, R. Miller, 1
share each. Place of business, S. F.

Itala Publishing Company. General
publishing business. Capital Stock,
\$5000; 500 shares at \$10 each; amount
subscribed, \$30. Place of business, San
Francisco. Directors—J. N. Sarber, H.
C. Smith and D. Ray, 1 share each.

COMPLETION NOTICES

San Francisco

June 1, 1915—NW O'FARRELL AND
Mason N 31-1x W50. D L Randolph
to Frank A Wilkie.....June 1, 1915

June 1, 1915—N OAK 157-6 W Van Ness Ave W 89-9 N 120 E 68-9 — 40 E 21 S 80. The Young Men's Institute Hall Ass'n to Fennell & Wand.....May 21, 1915

June 2, 1915—W TWENTY-FIFTH Ave 200 S California 25x120. A M Sylvia to whom it may concern.....May —, 1915

June 2, 1915—N MISSION 25 W Mint Ave. McKillop Bros to H E Drake.....May 26, 1915

June 2, 1915—N TWENTY-EIGHTH 57 E Noe E 26 N 114 W 20 S 25 W 6 S 89. Martin Hanson to whom it may concern.....June 1, 1915

June 2, 1915—E FIFTEENTH AVE 266-8 S Geary S 25-3½ E 110 m or 1 N 25-3½ m or 1 W 106 m or J. James Welsh to James Welsh & Co.....June 1, 1915

June 3, 1915—LOT 4 BLK 14, Crocker Amazon Tract. Jesse P and Julia Marie Jeter to O E Evans.....June 1, '15

June 3, 1915—SW FOLSOM AND Rodgers 152-6 on Folsom and 125 on Rodgers. Galland Mercantile Laundry to Macdonald & Kahn.....May 28, 1915

June 3, 1915—SE CORBETT AVE 28-2 SW S Mono (Moss Alley) SW 28-2 E 132 m or 1 to a pt on E line Lot 11 dist S 46-2¾ N 22-7¾ W 128 m or 1 being ptn Lot 11 Blk 4 Market Street Ass'n. James J Flaherty to H Kesler.....May 29, 1915

June 3, 1915—SE GREENWICH AND Hyde S 68-9xE 100. Greenwich Realty Co to Central Elec Co, June 2, 1915; H Maundrell.....June 2, 1915

June 3, 1915—W TENTH AVE 75 S Balboa S 25xW 95. Oscar Lind to whom it may concern.....June 3, 1915

June 3, 1915—LOT 23 BLK 23 Crocker Amazon Tract. Johan Knudsen to whom it may concern.....June 2, 1915

June 4, 1915—W LILAC 145 N 25th N 50xW 25. San Francisco Home Bldg Co to Edwin Anderson.....June 2, 1915

June 4, 1915—LOT 1005, Gift Map No. 3. John H McCarthy to Al Langsley.....June 3, 1915

June 4, 1915—SW LYON & TONQUIN W 400 N 450 S 250. Panama-Pacific International Exposition Commission State of New York to Siebrecht & Son.....June 4, 1915

June 4, 1915—SE TWENTY-FOURTH Ave and Taraval 32-6x100, Parkside. Frank M Preece to whom it may concern.....June 4, 1915

June 4, 1915—SE CALIFORNIA AND Stockton S 68-9xW 117-6. Delmar Smith Clinton to Wm G Gilmour.....May 27, 1915

June 4, 1915—SE UNION AND LYON E 36-9¼xS 30. Mary A Donahue to F De Martini & L Segale.....May 31, '15

June 5, 1915—LOT 10, BLK 13, Crocker Amazon Tract. H. C. Mangels to whom it may concern.....June 3, 1915

June 5, 1915—E MASONIC AVE, 62 S Hayes. F. R. Howard to Ira W. Coburn, Inc.June 5, 1915

June 5, 1915—SW SANSOME and California. Fireman's Fund Insurance Co. to Paul Agmar, May 19; Gladding, McBean & Co.June 1, 1915

June 5, 1915—SW HOWARD and 16th W 175-6 S parallel with Howard 90 E 75-6 N 2-6 — 100 N 87-6. Mission Consolidated Realty Co to J. E. O'MaraJune 4, 1915

June 5, 1915—W A BLOCK 305, bounded by Fillmore, Turk, Eddy and Webster. Realty and Re-

building Company to D. J. and T. SullivanMay 26, 1915

June 5, 1915—SE MARKET and Steuart, S 25xE 45-10. Delina Martens, Alvina Klump, Edward J. H., Henry G., Walter and Rudolph C. Druhe to whom it may concern.....May 21, 1915

June 7, 1915—E SEVENTEENTH AVE 225 N California N 50xE 120. Percy D Tyler to whom it may concernJune 7, 1915

June 7, 1915—NW CHESTNUT AND Larkin N 56-6xW 137-6. Alice K Burnham to C L Wold Co.....May 28, '15

June 7, 1915—N ANZA 106-9 W 7th Ave W 26-8x100. James Gleeson to whom it may concern.....June 7, 1915

June 7, 1915—W TWENTY-THIRD Ave 25 N Anza 25x80. D J Clancy to D J Clancy.....June 7, 1915

June 8, 1915—NW CALIFORNIA AND Hyde W 87-6xN 87-6. Lena A Kalben and as Attorney in fact for Geo G Katz, Gustave A Katz, Louis R Katz and Frieda P Sherwood to Marshall & Sterns Co.....June 1, 1915

June 8, 1915—SW GOETTINGEN 50 NW Silliman NW 50xSW 95; ptn Lots 5, 6, 7 and 8 Blk 26 Superior Hd Ass'n Ptn Univ Md. Clarence Duff to Jacob F Nielsen.....June 7, 1915

June 8, 1915—E TWENTY-FOURTH Ave 225 S Geary S 25xE 120. A C Wallace to K H McKenzie.....June 4, '15

June 8, 1915—W THIRTEENTH AVE 300 N Kirkham N 25xW 120. Chas Mayle to whom it may concern.....June —, 1915

June 8, 1915—S VIRGINIA & BANK. Innocenzo & Salvatora Alario to Francesco & Giuseppe Bonocorso.....June 5, 1915

June 8, 1915—E NINEENTH AVE 50 S California S 25xE 70. Emil Aug. Schkade to whom it may concern.....June 8, 1915

June 9, 1915—SE VAN NESS AVE & Post — 109 S 120 W 109 N 120. The Concordia to Dyer Bros Golden West Iron Works.....June 8, 1915

June 9, 1915—N SEVENTEENTH (Corbett) 205-11¼ E Market E 25 N 197-5½ SW 65-9½ S parallel with Castro 74-8 E 25 S 80. Pope Estate Co to Geo A Bos.....June 2, 1915

June 9, 1915—LOT 257 Gift Map No. 1. Patrick F McHugh to whom it may concern.....June 8, 1915

June 9, 1915—W FOURTEENTH AVE 25 N Clement N 25xW 100. Conservative Bldg & Jns Co to whom it may concern.....June 9, 1915

June 10, 1915—W MASONIC AND Congress 50x125. F Heine to whom it may concernJune 9, 1915

June 10, 1915—S BUSH 137-6 W Leavenworth W 27-6xS 137-6. L D Stoff to James S Fennell.....June 8, 1915

June 10, 1915—W TWENTY-FOURTH Ave 25 N Anza. Nevada W Meyers or Meyer to whom it may concernJune 7, 1915

June 10, 1915—N MINNA 100 E Julia E 25xN 160. Dr Charles F Bauer to James S Fennell.....June 8, 1915

June 10, 1915—LOT 98 BLK 5 Academy Tract. Lawrence Costello & Michael McDonough to whom it may concern.....June 10, 1915

June 10, 1915—E POLK 87-6 N Washington N 39-10½x137-6. Martin S Show to whom it may concern.....April 9, 1915

June 11, 1915—SE GREENWICH & Hyde S 68-9xE 100. Greenwich Realty Co to Horace J Perazzi.....June 11, 1915

June 11, 1915—NE SIXTEENTH AVE and Balboa 25 on 16th Ave by 77-6. Ida E Chambers to Andrew HelbingJune 9, 1915

June 11, 1915—SE EIGHTEENTH & Douglass. John H McLaughlin to Wm Horstmeyer or Wm Horstmeyer & Co.....June 1, 1915

LIENS FILED

SAN FRANCISCO COUNTY.

June 2, 1915—W POWELL 91-3 N Post N 46-1xW 80. Bennett Bros vs Jos Sockolov.....\$769.48

June 2, 1915—W POWELL 91-3 N Post 46-1x80. Hindin & Zion vs J Sockolov\$162

June 1, 1915—W POWELL 91-3 N Post 46-1x80. San Francisco Lime Co, Inc vs Joseph Sockolov...\$465.55

June 1, 1915—S LAKE 28-6 E 18th Ave E 25xS 84. E A Howard & Co vs Lloyd Burley Ham and Frank and Geo V McCausland.....\$33

June 1, 1915—W EIGHTEENTH AVE 175 N Lake W 70 — 55.07 E to a pt on W 18th Ave 225 N Lake S to beg. California Elec Supply Co, \$28; P Lamanet and Geo Demattei, \$15; E E Gillon, \$7.76; Joseph Rohr, \$23.80 vs Mae E Green and The Harrison cph

June 1, 1915—W MASON 27-6 S Ellis S 55xW 82-6. J H Kruse vs Peter F Dunne, Albert Hartman and N W Lewis and John Doe Kaiser (as Lewis & Kaiser).....\$156.45

June 1, 1915—W POWELL 91-3 N Post N 46-1xW 80. American Elec Eng Co, \$1326.60; Davis Hardwood Co, \$1275 vs J Sockolov.....

May 28, 1915—W POWELL 91-3 N Post N 46-1xW 80. Bay Development Co vs Joseph Sockolov.....\$1275.53

May 29, 1915—S LAKE 26-6 E 18th Ave E 25xS 84. W H Raymond vs L B Ham and McCausland Bros...\$12

June 3, 1915—W POWELL 91-3 N Post N 46-1xW 80. Phoenix Sidewalk Light Co vs J Sockolov...\$87.25

June 3, 1915—S LOMBARD 138 W Baker W 27-6xS 137-6. Hart-Wood Lumber Co vs A Halstrom, Louis Lacazette, Alexander and Nellie Bond, R and Daniel A McColgan.....\$569.28

June 3, 1915—W EIGHTEENTH AVE 175 N Lake W 70 — 55.07 E to a pt on W 18th Ave 225 N Lake S to beg. Fred Radmer, \$110; Brown & Cairns, \$174.50; The Tozer Co, \$10.40 vs Mae E Green and The Harrison Co

June 3, 1915—LOT 41 BLK 4 Lakeview. Attilio Bin vs Frank and Genevieve McCarthy and Joseph C Stromswold\$50


June 3, 1915—W CASTRO 75 N 22nd N, 123-4xW 150. Mission Concrete & Mosaic Co vs John B Woolfrey and Louis B Harder.....\$1975

June 3, 1915—LOT 41 BLK 4 Lakeview Tract. Geo T Wood vs Frank B and Jane Doe McCarthy.....\$60.30

June 4, 1915—W POWELL 91-3 N Post N 46-1xW 80. The Mohrlite Co, \$1404.40; Arthur Brown, \$1021.10 vs J Sockolov.....

June 5, 1915—SW TWENTY-SECOND Ave and Kirkham 32-6 on Kirkham by 100 on 22nd avenue. Sunset Construction Co. vs. Mary E. Strong\$400

June 5, 1915—SW NINETEENTH and



SCHRAEDER
INC. **IRON**
WORKS

Structural Steel
Contractors

Works at
HARRISON ST.,
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San Francisco

Telephone Market 337

hot water circulating system and vacuum cleaning. There will be several bath rooms, which will be finished in tile and equipped with showers. Exterior of the house will be covered with cement plaster on metal lath. Plans are now being prepared.

RESIDENCE—1 story and base, frame, \$2,000. Oakland, Cal. Architects, Oliver & Thomas, Pantages Theatre Bldg., Oakland. Owner, O. M. Bullock. The dwelling has been designed for a five-room house with bath and sleeping porch. Interior will be finished in pine with some white enamel. Hardwood floors will be used in the living and dining rooms. There will be an open fire place and tile or brick mantel. Bath room will have tile wainscot. An automatic water heater will be installed. Exterior of the house will be covered with cement plaster on metal lath. Plans are complete and the work will be done by Day Labor.

RESIDENCE—1 story and base, frame, \$2,000. Oakland, Cal. Architect, Merrill Newsom, 1748 Broadway, Oakland. Owner, C. E. Charleston. The dwelling has been designed for a six-room house with bath and sleeping porch. Interior will be finished in pine throughout. There will be some hardwood floors. An open fire place and tile mantel will be included. Bath room will have imitation tile wainscot. An automatic water heater will be installed. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are complete and the work will be done by Day Labor.

RESIDENCE—1 story and base, frame, \$3,000. Oakland, Cal. Architect, Merrill Newsom, 1749 Broadway, Oakland. Owner, Gene Higgins. The dwelling has been designed for a six-room house with bath and sleeping porch. Interior will be finished in pine with some white enamel. Hardwood floors will be used in the living room and dining room. There will be an open fire place and tile or brick mantel. Bath room will have tile wainscot. An automatic water heater will be installed. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are complete and the work will be done by Day Labor.

SCHOOL—1 story and base, frame and plaster, \$52,000. Berkeley, Alameda Co., Cal. Architect, Walter D. Reed, Oakland. Owners, City of Berkeley. Bids opened for the construction of this building showed Fred H. Field low on the general construction at \$35,798, and Siebert & Co. and J. C. Hurley Co. tie at \$6,479 on the heating and ventilating. Contracts will be awarded this week.

STORES—1 story and base, brick, \$7,000. Berkeley, Alameda Co., Cal. Architect, John Hudson Thomas, First National Bank Bldg., Berkeley. Owner, E. A. Heron. The building will be erected on the south side of University avenue east of Shattuck, covering an area of 50 by 98 feet. There will be three modern stores. Interior will be finished in pine and hardwood. Patent store fronts are specified. Exterior of the building will be faced with pressed brick. Plans are out for figures and separate figures are being taken for the general construction and the plumbing.

Texas W 100xS 25. B. W. Demarais vs. Patrick and Kate Hannon. \$1,024.11

June 7, 1915—N SUTTER ST W — N 137-6xW 56-6. Fred Wagner vs Clara M Clayton, Josephine L Struve, Geo W Livingston, Edwin P Gaffney & Willetta H Hendrickson. \$514

June 7, 1915—S LAMBEARD 138 W Baker W 27-6xS 137-6. Marshall & Stearns Co vs A Halstrom, A Barnes and J Lacazette. \$144

June 8, 1915—N HOLLOWAY AVE 25 E Granada E 25xN 100. J H Kruse vs T A Wolfe. \$141.81

June 9, 1915—NE LOMBARD AND Fillmore N 60xE 110. Herbert I Lauder vs C R Davis, S F Bldg Co, and Phillip J Kane (as Kane & Co). \$98.70

June 9, 1915—E DIVISADERO 152-8 1/4 N Clay N 25xE 110. Mission Concrete & Mosaic Co vs Juliette Block and Steur & Bury. \$137.50

June 9, 1915—S LAKE 28.6 E 18th Ave E 25 S 84 W 25 N to beg. California Tile Contracting Co vs Lloyd Burley Ham and Frank and Geo V McCausland. \$10

June 10, 1915—SW FILLMORE AND Moulton S 60xW 137-6. Acme Lumber Co vs Geo L Streshley, Gus J Pates, Jno S Howell, Augustus Regoli, Francis De Belli, Jno P Sweeney, Thos P and Mary P Crowley. \$823.63

June 10, 1915—W POWELL 91-3 N from S Post N 46-1xW 80. Petersen-James Co vs Joseph Sockolov. \$1102.20

June 10, 1915—E FORTY-SEVENTH Ave 175 N Judah N 25xE 120. The Gas & Elec Appl Co vs Rose H Van Horn and F W McKenney. \$15

June 11, 1915—S TONQUIN 356.127 W Divisadero W 575 S 725 m or l. Hapthman Lumber Co vs G W Porter, Panama Pacific International Exposition Co and Rudolph Herman Co. \$173.11

RELEASE OF LIENS

SAN FRANCISCO COUNTY.

June 1, 1915—N BUSH ST 3 E Fillmore. Theodora Bielenberg to Henry E Stillman, \$8,329, assigned May 15, 1915, to Nettie Torsen val. cons., acceptance of assignment given by the Forest Hill Realty Co.

June 12, 1915—E FOLSOM 223-4 N 10th N 33xE 122 1/2 W G Torday to I C Moore Estate.

June 12, 1915—S McALLISTER 55 W Gough W 55xS 137-6. Petersen-James Co, S H Wilson, Niels Jacobsen, E Anderson, Reinhart Lumber & Planing Mill Co, Malott & Peterson, H J Hughes, S I Voiz, L J Neal, Concord Mfg Co, Schwarz & Gott-

lieb, Bennett Bros, Macdonald Lumber Co, A Giannini and Byron Elec Constr Co to Reuben Cohen.

OAKLAND AND ALAMEDA COUNTY

RESIDENCE—2 story and base, frame, \$3,500. Berkeley, Alameda Co., Cal. Architect, none. Owner, E. L. Jenks, 2977 Piedmont avenue, Berkeley. The dwelling will be erected on the east side of Claremont avenue, opposite Eton avenue, and has been designed for a seven-room house with bath and sleeping porch. Interior will be finished in pine with some white enamel. Hardwood floors will be used in the living room, dining room and reception hall. Plans provide for furnace heat and open fire places. Mantels will be of tile or brick. Bath rooms will be finished in Germanstone and equipped with showers. An automatic water heater is specified. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor.

APARTMENT HOUSE—3 story and base, frame, \$40,000. Oakland, Cal. Architect, none. Owner, E. A. Schmidt, 482 40th street, Oakland. The building will be erected on the south side of 10th street west of Fallon, and has been designed to contain a total of 96 rooms, which will be arranged in suites of two and three rooms. All apartments will have wall beds and private baths. Interior finish will be of pine and elm. Some oak floors will be used. There will be steam heat and a hot water system. Oil burning furnace will be installed. Bath rooms will be finished in tile. Marble and tile wainscot will be used in the bath rooms. Exterior of the building will be covered with cement plaster on metal lath. Plans are complete and in the hands of the owner who is now taking subfigures on the work.

MUNICIPAL WOOD YARD OFFICE AND ROOMS—3 story and base, \$12,177. Oakland, Cal. Architect, J. J. Donovan, Security Bank Bldg., Oakland. Owners, City of Oakland. Bids opened by the City Council for the construction of the administration building at the Municipal Wood Yard show W. A. Newsom of San Francisco low at \$12,477. All bids were referred to the Commissioner of Public Works and the City Attorney.

SORORITY HOUSE—3 story and base, frame, \$25,000. Berkeley, Alameda Co., Cal. Architect, G. A. Applegarth, Call Bldg., S. F. Owners, Delta Delta Sorority. The building has been designed along lines similar to a large residence. Interior will be finished in pine and hardwood with hardwood floors in the principal rooms. There will be a central heating system, a

Bids Opened For Berkeley School.

Contract For Construction of West Berkeley School Will Be Awarded Next Friday.

Bids were opened Tuesday afternoon by the Berkeley Board of Education for the construction of the one-story and basement frame and plaster school building, designed by Architect Walter D. Reed, of Oakland. All bids were taken under advisement but an award of contract will be made Friday morning. Following is a complete list of the bids received:

General Construction.

Collman & Collman.....	\$42,477
D. O. Church.....	39,497
L. Cereghino & Son.....	45,967
Dunnavant-Oakley Co.	39,394
Fred H. Field.....	35,798
R. Glaze.....	41,256
W. D. Henderson.....	42,272
Mathew Morton.....	37,477
Robinson & Place.....	39,500
Schnebly, Hostrawser & Pedgrift	39,498
J. Wendering.....	39,750

Heating and Ventilating

Siebert & Co.	\$6,479
J. C. Hurley Co.....	6,479
Pacific Fire Extinguisher.....	6,585
J. E. O'Mara.....	7,377
Bay Engineering Co.....	7,130
Wittman-Lyman Co.....	7,160
Scott Company.....	6,520
Walter Mork.....	6,381
Carl T. Doell.....	6,182

Bids Opened For Oakland Woodyard.

Eight Bids Received By The Oakland City Council For Construction of Three-Story Brick Building.

The following bids were opened by the Oakland City Council on June 9th for the construction of a three-story brick and steel building to be erected for the Municipal Woodyard. Plans were prepared by Architect J. J. Donovan, Security Bank Bldg., Oakland.

Win. A. Newsom.....	\$12,477.00
R. Glaze.....	12,575.00
McLaren & Peterson.....	12,690.00
Van Sant-Houghton Co.....	12,890.00
J. S. Hannah.....	13,261.00
Frank J. Wilson.....	13,926.85
W. D. Henderson.....	14,472.00
Christensen Bros.	14,716.00

All bids were referred to the Commission of Public Works and the City Attorney.

NOTICE OF NON-RESPONSIBILITY.

June 7, 1915—N LINCOLN 184.50 E Milvia E 55xN 135, Bkly. Anna M Schunck as to improvements on leased property

Building Contracts Awarded

Oakland

No.	Owner	Contractor	Amt.
1037	Silvestri	Gold	510
1038	Forrest	Peterson	875.88
1039	Jurgenson	Orr	370
1040	Wells Fargo.....	Bay City	450
1041	Morrow	Morrow	500

1042	Zwaal	Zwaal	2000
1043	McKinnon	McKinnon	400
1044	Wilson	Courtright	1100
1046	Fazio	Valente	1250
1059	Reilly	Nichols	1450
1062	Ortman	Gunn	3800
1063	Fry	Fry	1000
1065	Nethkin	Nethkin	450
1067	Ironsides	Okd Bldg Invst	32.5
1068	Eckert	Button	3740
1069	Bischoff	Bischoff	2000
1070	Brown	Brown	2000
1071	Paul	Tyhurst	1400
1072	MacGregor	MacGregor	2500
1073	Same	Same	2500
1074	Coward	Coward	2500
1078	Benton	Johanson	1950
1082	Maderos	Fernandez	800
1083	Rothlisberger	Jones	400
1084	Cal Cafe	Larsen	500
1085	Leber	Leber	800
1087	Cal Cured Fruit.....	Palmer	—
1088	Union Svgs	Makin	—
1089	Same	Magini	—
1090	Same	Davis	—
1091	Same	Mission	—
1092	Same	Judson	—
1093	Same	Wood	—
1094	Same	Conrad	—
1096	McGuinness	Owner	2250
1097	Hopper	Hopper	1800
1098	Schmidt	Schmidt	40000
1099	Irvine	Avenali	3175
1102	Smith	Smith	1800
1105	Stafford	Brewin	1000
1106	McDonald	Hollingsworth	400
1107	Salvatte	Williams	400
1109	Ramsey	Haley	1500
1110	Larsen	Larsen	1800
1111	Young	Barton	3200

(1037) S SEVENTH ST, between Henry and Chester streets, Oakland. Carpenter work for three-story frame business building.

Owner.....Michelo Cirimele and Giuseppe Silvestri, Oakland.

Architect...None.

Contractor..F. E. Gold, 5271 Boyd Ave., Oakland.

Filed June 5, '15. Dated May 17, '15.	
1st story frame up	\$125
2nd story frame up	125
3rd story frame up	125
Completed	Bal
TOTAL COST, \$540	

Bond, Sureties, Forfeit, none. Limit, 90 days. No plans or specifications filed.

(1038) LOT 69 and part lot 70, Crocker Highlands, Oakland. All work for two-story and basement frame dwelling.

Owner.....Thomas W. Forrest, Oakland.

Architect...Schirmer, Bugbee & Co., Dalziel Bldg., Oakland.

Contractor..Alfred Peterson, 1201 19th, Oakland.

Filed June 5, '15. Dated June 5, '15.	
Frameup and roof on.....	\$2189.50
Brown coated	2189.50
Completed and accepted	2189.50
Usual 35 days	2190.00
TOTAL COST, \$8758.50	

Bond, Sureties, Forfeit, none. Limit, 100 days. Plans and specifications filed.

(1039) SE TWENTY-THIRD AVE, 50 NE E-12th street, NE 25xSE 100, Oakland. All work of alterations to store except marble base and tile floor.

Owner.....Leo Jurgenson, guardian of Adenne S. Jurgenson, 1210 23rd Ave., Oakland.

Architect...None.

Contractor..Wm. A. Orr.

Filed June 5, '15. Dated June 4, '15.	
Completed	75%
Usual 35 days	25%
TOTAL COST, \$370.50	

Bond, \$185.25. Sureties, Minnie Meyers and E. D. Mait. Forfeit, none. Limit, 15 days. Plans filed. No specifications.

ALTERATIONS

(1040) SW SIXTEENTH AND CLAY, Oakland. Alterations.

Owner.....Wells Fargo Co., 15th near Broadway, Oakland.

Architect...Jas. H. Humphrey, Wells Fargo Bldg., S. F.

Contractor..Bay City Cabinet Co., 1080 3th, Oakland.

COST, \$150

ALTERATIONS

(1041) NO. 384 FORTY-NINTH, Oakland. Alterations.

Owner.....Mrs. Geo. P. Morrow, Prem

Architect...None.

Contractor..Geo. W. Morrow, Premises.

COST, \$500

DWELLING

(1042) N CALIFORNIA 600 E Maple Ave., Oakland. One-story 5-room dwelling.

Owner.....L. Zwaal, 3900 Ardley Ave., Oakland.

Architect...None.

Day's work. COST, \$2000

ADDITION

(1043) NO. 1037 FIFTY-SEVENTH, Oakland. Addition.

Owner.....M. McKinnon, Premises.

Architect...None.

Day's work. COST, \$400

OFFICE BUILDING

(1044) E COLLEGE AVE 50 N Ocean View Drive, Oakland. One-story 4-room office building.

Owner.....Dr. Newell Wilson, Cor. College and Shafter Aves., Oakland.

Architect...None.

Contractor..T. D. Courtright, 5720 Keith Ave., Oakland.

COST, \$1100

ALTERATIONS

(1046) NE FIFTH AND FILBERT, Oakland. Alterations.

Owner.....F. Fazio, Oakland.

Architect...None.

Contractor..M. E. Valente, 5882 Vallejo Ave., Oakland.

COST, \$1250

DWELLING

(1059) W NINETY-THIRD AVE 237 1/2 S E-14th, Oakland. One-story 4-room dwelling.

Owner.....Mrs. Mary Rose Reilly.

Architect...None.

Contractor..H. J. Nichols, 1325 93rd Ave., Oakland.

COST, \$1450

FLATS

(1062) NW TWENTIETH & CURTIS, Oakland. Two-story 11-room flats.

Owner.....S. Ortman, 840 20th, Okd.

Architect...None.

Contractor..J. F. Gunn, 839 Isabella, Oakland.

COST, \$3800

ALTERATIONS

(1063) W ORANGE 135 N Oakland Ave., Oakland. Alterations.

Owner.....A. Fry, 201 Orange, Okd.

Architect...None.

Day's work. COST, \$1000

REPAIRS

(1065) NO. 3751 BROWN AVE., Oakland. Repairs.

Owner.....H. Nethkin, 3753 Brown Ave., Oakland.
 Architect...None.
 Day's work. COST, \$450

FLATS

(1067) N RICH 125 E Forty-second, Oakland. Two-story 10-room flats.
 Owner.....H. A. Ironsides, 1807 Telegraph Ave., Oakland.
 Architect...None.
 Contractor...Oakland Bldg. & Investment Co., 445 Oakland Ave., Oakland.
 COST, \$3285

DWELLING

(1068) W 40 LOT 36 Map Bay View Terrace, Oakland. All work for two-story 8-room dwelling.
 Owner.....E. T. Eckert, 5527 McMillan Ave., Oakland.
 Architect...None.
 Contractor...I. W. Button, 347 63rd, Okd
 Filed June 8, '15. Dated June 8, '15.
 Frame up 1/4
 Plastered 1/4
 Completed 1/4
 Usual 35 days..... 1/4
 TOTAL COST, \$3740
 Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications filed.

DWELLING

(1069) N SIXTY-THIRD 225 W College Ave., Oakland. One-story six-room dwelling.
 Owner.....John A. Bischoff, 6045 Harwood Ave., Oakland.
 Architect...None.
 Day's work. COST, \$2000

DWELLING

(1070) ALEXANDER COURT AND 35th Ave., Oakland. One-story five-room dwelling.
 Owner.....N. A. Brown, 1624 64th Ave. Oakland.
 Architect...None.
 Contractor...W. C. Brown.
 COST, \$2000

DWELLING

(1071) E JAMES AVE 120 S Clifton, Oakland. One-story 4-room dwlg.
 Owner.....R. R. Paul, 3616 West, Okd.
 Architect...None.
 Contractor...J. P. Tyhurst, 1131 Bella Vista Ave., Oakland.
 COST, \$1400

DWELLING

(1072) N E THIRTY-SEVENTH 230 E Linwood, Oakland. Two-story 6-room dwelling.
 Owner.....C. M. MacGregor, 470 13th, Oakland.
 Architect...None.
 Day's work. COST, \$2500

DWELLING

(1073) E EVERETT 250 S Hampel, Oakland. Two-story 6-room dwlg.
 Owner.....C. M. MacGregor, 470 13th, Oakland.
 Architect...None.
 Day's work. COST, \$2500

DWELLING

(1074) N NORTH COURT 369 N Pleasant Valley, Oakland. One-story six-room dwelling.
 Owner.....Joseph Coward, 6081 Claremont Ave., Oakland.
 Architect...None.
 Day's work. COST, \$2500

DWELLING

(1078) N ARLINGTON AVE 221 W Grove, Oakland. One-story 5-room dwelling.
 Owner.....J. R. Benton, 2070 University Ave., Berkeley.
 Architect...None.
 Contractor...Gustaf Johanson, 1811 Rose, Berkeley.
 COST, \$1950

DWELLING

(1082) W FIFTY-SECOND AVE 150 N E-11th, Oakland. One-story 4-room dwelling.
 Owner.....Carrie Maderos.
 Architect...None.
 Contractor...John Fernandez, 946 E-11th, Oakland.
 COST, \$800

GARAGE

(1083) NO. 731 OAKLAND AVE., Oakland. Garage.
 Owner.....H. Rothlisberger, Prem.
 Architect...None.
 Contractor...Sam Jones, 2462 Valdez, Oakland.
 COST, \$400

ALTERATIONS

(1084) NO. 1510 BROADWAY, Oakland Alterations.
 Owner.....California Cafe.
 Architect...None.
 Contractor...Aug Larsen, 720 36th, Okd.
 COST, \$500

ALTERATIONS

(1085) NO. 930 TENTH, Oakland. Alterations.
 Owner.....A. L. Leber, Premises.
 Architect...None.
 Contractor...Chas. Leber, 3030 Champion, Oakland.
 COST, \$800

ALTERATIONS

(1087) NE GILMAN AND SECOND, Oakland. Alter two-story warehouse (new piers and posts and reinforce second floor).
 Owner.....California Cured Fruit Exchange, 417 Market, S. F.
 Architect...Washington J. Miller, 417 Market, San Francisco.
 Contractor...P. A. Palmer, Monadnock Bldg., S. F.
 COST, \$—

NOTE:—Job started.

ALTERATIONS

(1088) NE THIRTEENTH & BROADWAY, Oakland. Plastering for alteration to 1st floor of Union Savings Bank.
 Owner.....Union Savings Bank.
 Architect...Walter J. Mathews, 927 Broadway, Oakland.
 Contractor...Wm. Makin, 154 Ricardo, Oakland.
 COST, \$—

(1089) INTERIOR FINISH AND CE-ment work on above.
 Contractor...Joe Maginni.
 COST, \$—

(1090) CARPENTER WORK ON above.
 Contractor...Wm. Davis & Son, 1011 Franklin, Oakland.
 COST, \$—

(1091) MARBLE WORK ON ABOVE.
 Contractor...Mission Marble Works, 363 Guerrero, San Francisco.
 COST, \$—

(1092) STEEL WORK ON ABOVE.
 Contractor...Judson Mfg. Co., 819 Folsom, San Francisco.
 COST, \$—

(1093) LUMBER AND MILL WORK on above.
 Contractor...E. K. Wood Lumber Co.
 COST, \$—

(1094) ELECTRICAL WOR ON ABOVE.
 Contractor...Conrad Elec. & Constr. Co., 564 18th, Oakland.
 COST, \$—

NOTE:—This job is nearly completed and will cost over \$20,000.

DWELLING

(1096) S E-SEVENTEENTH 258 E 55th Ave., Oakland. One-story six-room dwelling.
 Owner.....James McGuinness, 5615 E-16th, Oakland.
 Architect...None.
 Day's work. COST, \$2250

DWELLING

(1097) S PLEASANT VALLEY AVE 125 W Rose, Oakland. One-story 5-room dwelling.
 Owner.....Marshall E. Hopper, 90 Glen Ave., Oakland.
 Architect...None.
 Day's work. COST, \$1800

APARTMENTS

(1098) S TENTH 100 W Fallon, Oakland. Three-story 96-room apartment house.
 Owner.....E. A. Schmidt, 482 40th, Oakland.
 Architect...None.
 Day's work. COST, \$40,000

MARBLE MONUMENT

(1099) ST. MARY'S CATHOLIC Cemetery, Oakland. All work for marble monument.
 Owner.....Mrs. Margaret Irvine.
 Architect...Charles Peter Weeks, Mutual Bank Bldg., S. F.
 Contractor...L. M. Avenali, 949 Green, San Francisco.
 Filed June 10, '15. Dated June 1, '15.
 Completed and accepted..... 75%
 Usual 35 days..... 25%
 TOTAL COST, \$3175
 Bond, none. Limit, 4 months. Forfeit, none. Plans and specifications, none.

DWELLING

(1102) S WALNUT AVE 140 E Courtland, Oakland. One-story five-room dwelling.
 Owner.....O. G. Smith, 4402 Brookdale Ave., Oakland.
 Architect...None.
 Day's work. COST, \$1800

ALTERATIONS

(1105) NO. 934 WILLOW, Oakland. Alterations.
 Owner.....H. E. Stafford, Premises.
 Architect...None.
 Contractor...P. Brewin, 1473 7th, Okd.
 COST, \$1000

ALTERATIONS

(1106) SW LORENZO AND SUTER, Oakland. Alterations.
 Owner.....Mrs. A. G. McDonald, 522 Walsworth Ave., Oakland.
 Architect...None.
 Contractor...B. Hollingsworth, 1123 Allston Way, Berkeley.
 COST, \$400

ALTERATIONS

(1107) NO. 879 FIFTY-EIGHTH, Oakland. Alterations.

Owner.....J. Sabatte, Premises.

Architect...None.

Contractor..H. B. Williams.

COST, \$400

DWELLING

(1109) N E-TWENTY-FIFTH 100 E 21st Ave., Oakland. One-story 5-room dwelling.

Owner.....W. H. Ramsey, 2361 E-29th Oakland.

Architect...A. L. Haley.

Contractor..Haley, Wheatley & Paul, 1525 San Pablo Ave., Okd.

COST, \$1500

DWELLING

(1110) S PRINCETON 120 W Fairfax Ave., Oakland. One-story five-room dwelling.

Owner.....R. K. Larsen, 3345 Elmwood Ave., Oakland.

Architect...None.

Day's work. COST, \$1800

ALTERATIONS

(1111) W MONTE CRESTA 500 S Linda Ave., Oakland. Alter dwelling into flats.

Owner.....A. L. Young, 1538 Broadway, Oakland.

Architect...None.

Contractor..R. M. Barton, 721 16th, Oakland.

COST, \$3200

Building Contracts Awarded

Berkeley.

No.	Owner	Contractor	Amt.
1045	Havens	Armstrong	500
1047	Bd of Education	Owner	2000
1048	Sweeney	Scott	1000
1049	Kinney	Kinney	1500
1050	Berkeley	Church	5496
1051	Berkeley	Heckenroth	19997
1052	Berkeley	Stoddard	3215
1053	Berkeley	Le Page	2075
1054	Berkeley	Doell	8696
1055	Berkeley	Mealy	19850
1056	Berkeley	Deluchi	2942
1057	Berkeley	Dixon	2997
1058	Berkeley	Zelinsky	2180
1060	Nelson	Johnson	2000
1061	Jenks	Jenks	3500
1064	Kidder	McCullough	400
1066	McGrew	Scott	3850
1079	Moran	Moran	700
1080	Bernhard	Kollmer	400
1081	Davis	De Kay	456
1095	Cal Corr Culvert	Owner	4500
1100	Henry	Henry	2500
1101	St. John	St. John	500
1103	Ross	Thompson	950
1104	Seller	Tupper	1600
1108	Williams	Franklin	1500
1112	Holt	Dawson	1000

(1045) NO. 2613 DURANT, Berkeley. Repairs.

Owner.....Mrs. Havens, Premises.

Architect...None.

Contractor..F. E. Armstrong, 2249 Hearst Ave., Berkeley.

COST, \$500

ADDITION

(1047) NE ALCATRAZ AND KING, Berkeley. Add to school.

Owner.....Board of Education.

Architect...None.

Day's work. COST, \$2000

REPAIRS

(1048) NO. 2522 RIDGE ROAD, Berkeley. Fire repairs to fraternity house.

Owner.....Mrs. M. Sweeney, 1334 Arch, Berkeley.

Architect...None.

Contractor..G. A. Scott, 685 23rd, Okd.

COST, \$1000

DWELLING

(1049) N CARLTON r20 E Mabel, Berkeley. One-story 6-room dwelling.

Owner.....C. H. Kinney, 5788 Vicente, Oakland.

Architect...None.

Day's work. COST, \$1500

CLASS "C" SCHOOL

(1050) S OREGON 180 E McGee, Berkeley. Excavation for two-story 30-room Class "C" school.

Owner.....City of Berkeley.

Architect...W. H. Ratcliff, Jr., First National Bank Bldg., Bkly.

Contractor..D. O. Church Co., 68 Post, San Francisco.

Not Filed.

COST, \$5496

(1051) CARPENTRY ON ABOVE.

Contractor..Heckenroth & Schell, 110 Jessie, San Francisco.

Not Filed.

COST, \$19,997

(1052) PLUMBING ON ABOVE.

Contractor..George Stoddard, 2101 University Ave., Berkeley.

Not Filed.

COST, \$3215

(1053) ELECTRIC WORK ON above.

Contractor..Le Page-McKinney Co., Hearst Bldg., S. F.

Not Filed.

COST, \$2075

(1054) HEATING AND VENTILATING on above.

Contractor..Carl T. Doell, 467 21st, Okd

Not Filed.

COST, \$8696

(1055) BRICK AND STONE WORK ON above.

Contractor..Mealy & Collins, 185 Stevenson, San Francisco.

Not Filed.

COST, \$19,850

(1056) SHEET METAL WORK ON above.

Contractor..De Luchi-Shufelt Co., 832 San Pablo Ave., Oakland.

Not Filed.

COST, \$2942

(1057) PLASTERING ON ABOVE.

Contractor..George Dixon, 591 Apgar, Oakland.

Not Filed.

COST, \$2997

(1058) PAINTING ON ABOVE.

Contractor..D. Zelinsky, 564 Eddy, San Francisco.

Not Filed.

COST, \$2180

DWELLING

(1060) W SPAULDING 350 N Dwight Way, Berkeley. One-story five-room dwelling.

Owner.....F. Nelson, 1733 9th, Bkly.

Architect...None.

Contractor..W. Johnson, 3228 Adeline, Berkeley.

COST, \$2000

DWELLING

(1061) E CLAREMONT AVE opp. Eton Ave., Berkeley. Two-story 7-room dwelling.

Owner.....E. L. Jenks, 2977 Piedmont Ave., Berkeley.

Architect...None.

Day's work. COST, \$3500

ADDITION

(1064) W REGENT 150 N Ward, Berkeley. Addition.

Owner.....Louise Kidder, 2712 Regent Berkeley.

Architect...None.

Contractor..Kidder & McCullough, 2075 Addison, Berkeley.

COST, \$400

DWELLING

(1066) N DERBY 125 E Hillegass, Berkeley. Two-story 8-room dwlg.

Owner.....G. H. McGrew, Hilgard and Derby, Berkeley.

Architect...None.

Contractor..John T. Scott, 2800 Fulton, Berkeley.

COST, \$3850

ALTERATIONS

(1079) W JOSEPHINE 250 S Berryman, Berkeley. Alterations.

Owner.....J. L. Moran, 1318 Josephine, Berkeley.

Architect...None.

Day's work. COST, \$700

GARAGE

(1080) NE COLLEGE AND STUART, Berkeley. Garage.

Owner.....Mrs. M. Bernhard, 2010 Virginia, Berkeley.

Architect...None.

Contractor..Jacob Kollmer, 2813 Stuart, Berkeley.

COST, \$400

GARAGE

(1081) E ARLINGTON 300 N Indian Rock, Berkeley. Garage.

Owner.....J. O. Davis, 851 Arlington, Berkeley.

Architect...None.

Contractor..De Kay & Co., 200 Shattuck Ave., Berkeley.

COST, \$450

ADDITION

(1095) NW FIFTH AND PARKER, Berkeley. Add to factory.

Owner.....California Corrugated Culvert Co., Premises.

Architect...None.

Day's work. COST, \$4500

ALTERATIONS

(1100) S RIDGE ROAD 80 E Euclid Ave., Berkeley. Alter dwelling into flats.

Owner.....Henry Investment Co., 1809 Euclid Ave., Berkeley.

Architect...None.

Day's work. COST, \$2500

ADDITION

(1101) N WEBSTER 172.62 E Dakin, Berkeley. Addition.

Owner.....A. W. St. John, 2316 Allston Way, Berkeley.

Architect...None.

Day's work. COST, \$500

DWELLING

(1103) N FELTON 200 E Grove, Berkeley. One-story 4-room dwelling.

Owner.....W. W. Ross, 1829 Felton,
Berkeley.
Architect...None.
Contractor...E. A. Thompson, 666 60th,
Oakland. COST, \$950

DWELLING

(1101) N PARKER 150 E San Pablo,
Berkeley. One-story 4-room dwlg.
Owner.....S. A. Sellar, 3023 Benvenue
Berkeley.
Architect...None.
Contractor...Thad M. Tupper, 2310 Rus-
sell, Berkeley. COST, \$1600

ALTERATIONS

(1108) N VIRGINIA 40 E Grove, Ber-
keley. Alterations.
Owner.....Mrs. Williams.
Architect...None.
Contractor...John Franklin, 2324 Roose-
velt, Berkeley. COST, \$1500

ALTERATIONS

(1112) N LE CONTE AVE 125 E Le
Roy Ave E 50xN125, Berkeley. All
work for alterations and additions to
two-story dwelling.
Owner.....Mrs. Mary A. S. Holt, Bkly.
Architect...None.
Contractor...J. Dawson, Mill Valley.
Filed June 11, '15. Dated June 11, '15.
Rough frame up..... 1/4
Plastered 1/4
Completed and accepted..... 1/4
Usual 35 days..... 1/4

TOTAL COST, \$1000

Bond, none. Limit, as soon as possible.
Forfeit, none. Plans and specifications
filed.

Building Contracts Awarded

ALAMEDA COUNTY.

No.	Owner.	Contractor	Amt.
1075	Cowart	Cowart	1800
1076	Strang	Strang	2000
1077	Hillen	Hillen	2000
1086	Tubbock	MacRae	400

DWELLING

(1075) NO. 925 PARK, Alameda. One-
story 5-room dwelling.
Owner.....Z. T. Cowart, 3275 Central
Ave., Alameda.
Architect...None.
Day's work. COST, \$1800

DWELLING

(1076) NO. 1348 BAYO VISTA AVE.,
Alameda. One-story 5-room dwlg.
Owner.....F. N. Strang, 805 Pacific
Ave., Alameda.
Architect...None.
Day's work. COST, \$2000

DWELLING

(1077) NO. 755 CENTRAL AVE., Ala-
meda. One-story 5-room dwelling.
Owner.....R. C. Hillen, 130 Haight
Ave., Alameda.
Architect...None.
Day's work. COST, \$2000

REPAIRS

(1086) NO. 2207 LINCOLN AVE., Ala-
meda. Repairs.
Owner.....Oswald Tubbock, Prem.
Architect...None.
Contractor...Chas. MacRae, 2315 En-
cinal Ave., Alameda. COST, \$400

COMPLETION NOTICES.

ALAMEDA COUNTY

May 28, 1915—LOT 16 BLK 30
Amended Map Fairmount Park,
Bkly. Mrs Agnes Ericson to Oscar
Swanson.....May 28, 1915
June 1, 1915—SW E-TWELFTH 150
SE First Ave SE 75xSW 180, Okd.
F R Fagiol to Sommarstrom Bros
.....June 1, 1915
June 2, 1915—LOT 55 Map Gorrill
Glen, Oakland. Harris & Hudson
to whom it may concern..June 2, 1915
June 3, 1915—LOT 13 Redwood Glen
Tract, Okd. A M Werum by A F
Werum to W C Brown..June 4, 1915
June 3, 1915—N E-FOURTEENTH
bet 38th and 39th Aves; 30 feet
frontage, Okd. Frank Arena to S
J Davina and David A McKay.....
.....June 1, 1915
June 3, 1915—NW BRUCE 33-5 SW
E-32nd SW 33-4xNW 100, Okd.
Ole Kolen to whom it may concern
.....June 1, 1915
June 3, 1915—PTN LOT 102 Map
Pleasant Valley Court, Okd. Alfred
J Hopper to whom it may concern
.....June 3, 1915
June 3, 1915—N 10 LOT 4 and S 31
Lot 3 Bk "T" Waterside Terrace,
Ala. Alameda Investment Co to
William and Clarence Porter
(Porter Bros.)June 3, 1915
June 4, 1915—E ADELINE 100 N 57th
being Lot 60 Map Santa Fe Tract
No. 20, Okd. Ed Carlson to W
Johnson.....May 29, 1915
June 7, 1915—S AVENAL AVE 180 W
Seminary Ave, being No. 5823
Avenal Ave, Okd. Elsie I Woods to
whom it may concern.....June 7, 1915
June 8, 1915—SW 33 1/2 LOT 5 Map
Hemphill Court, Okd. C M Carlos
and P O Boyd to whom it may con-
cern.....June 1, 1915
June 8, 1915—SEVENTH NO. 1310,
being N 7th 165 E Kirkham, Okd.
Mary E Partridge to L S Barnett...
.....June 8, 1915
June 8, 1915—E SEA VIEW AVE at
head Farragut Ave 100x120, Pied-
mont. Mary S Barker to P N
SchmidtMay 30, 1915
June 9, 1915—LOT 14 BLK 4 Map San
Pablo Park, Okd. Homer Whiting
to whom it may concern..June 8, '15
June 9, 1915—LOT 14 Map Mathews
Homestead Place, Bkly. Hjalmar
Olson to whom it may concern....
.....June 7, 1915
June 9, 1915—E GRANT 35 S Hearst
Ave 35x100, Bkly. Geo H Aylworth
to Butler & Alyworth...June 5, 1915
June 9, 1915—W MODOC, bet. Marin
and Solano Aves, 45x104, Northbrae,
Oakland Tp. J S Killam to M P
Brasch.....June 8, 1915
June 9, 1915—LOT 17 BLK 19 North-
brae, being E Inyo, bet. Marin and
Solano Aves, 50x115, Albany. J S
Killam to M P Brasch..June 8, 1915
June 9, 1915—LOT 12 Map Sheffield
Heights, Okd. Howard B Horner to
Arvid E Olson.....June 1, 1915
June 10, 1915—LOT 13 BLK 13 North-
brae Tract, being No. 1048 Merced
St., Okd. A Y Skee to whom it
may concern.....Completed —
June 11, 1915—NE OLIVE AVE 271.88
NW Oakland Ave NW 40xNE 100,
Piedmont. H A Stone to whom it
may concern.....June 2, 1915
June 11, 1915—LOT 19 BLK "F" Map
Eastern ptn Newbury Tract, Bkly.

Annie and Frank Nash to A F
WaidMay 28, 1915
June 11, 1915—E CARLOTTA AVE
150 S Posen Ave 40x110, Bkly.
Soren Jensen to whom it may con-
cern.....June 5, 1915

LIENS FILED

ALAMEDA COUNTY.

May 28, 1915—BROADWAY NOS.
4050-82, being ptn Lot 4 Blk "H"
Map Weston Tract, Okd. Joseph
D Bell (Bell's Wall Beds) vs Mary
Grace Dwyer\$94
May 28, 1915—E HIGH 448.38 S
Congress Ave S 50xE 120, Okd.
Melrose Lumber & Supply Co vs
Warren A De Sosa and Crescent
Investment Co\$237.70
May 28, 1915—W 25 LOT 19 and all
Lot 20 Blk "Q" Map No. 2 of Sbdvn
of ptn Central Oakland Tract, E of
Telegraph Ave, Okd. Union Floor
Co, \$100; Francis Jaques, \$40 vs
Eugene A Schmidt and Herbert
Johnston
June 4, 1915—E TELEGRAPH AVE
590.41 N 56th N 50xE 150, Oakland.
George Martel and Milo J Ander-
son (Martel & Anderson) vs Mar-
garet P & William S Van Hoosear
and E C Anderson.....\$106.50
June 4, 1915—SW EIGHTH AND
Webster S 75xW 75, Okd. Nils An-
derson vs Gee Sam Kee and Bertha
A Sneathen\$2825
June 5, 1915—LOTS 21 and 22 Blk 3,
Map Regents Park No. 7, Albany.
Stege Lumber and Hardware Co.
vs. E. P. Tenney and Delphine C.
Tenney. \$182.59
June 8, 1915—LOT 52 Map Woodlawn
Park, Okd. Maurice J Hyde vs
Margaret Truesdell\$85

SAN JOSE AND THE SANTA CLARA VALLEY

RESIDENCE — 2 story and base,
frame, \$6,500. San Mateo, San Mateo
Co., Cal. Architect, Charles C. Frye,
20 Montgomery street, S. F. Owner's
name withheld. The dwelling has been
designed to contain nine rooms, three
baths and two sleeping porches. Inter-
ior finish will be of pine and hard-
wood, with white enamel in the bed
rooms. Plans provide for furnace
heat and open fire places. An auto-
matic water heater will be installed.
Bath rooms will be finished in tile and
equipped with showers. Mantels will
be of tile or brick. Exterior of the
dwelling will be covered with shin-
gles. Plans are now being prepared.

SEWER CONSTRUCTION—Cost not
stated. Hillsborough, San Mateo Co.,
Cal. Engineer, Cit Engineer, Hills-
borough. Owners, City of Hillsbor-
ough. At the last meeting of the Trus-
tees the installation of an eight-inch
sewer over San Mateo Creek at Bay-
wood avenue was ordered.

STREET IMPROVEMENTS—Cost not
stated. Santa Cruz, Santa Cruz Co.,
Cal. Engineer, City Engineer, Santa
Cruz. Owners, City of Santa Cruz. The
City Engineer has been instructed to
prepare plans and specifications for
walks on all unfinished parts of Cali-
fornia street from Van Ness avenue to
Rigg street. The matter of resurfac-
ing Mission street from Emmett to
Walnut avenue is now being considered
by the Council. The City Engineer
was instructed at the last meeting to

prepare plans and specifications for macadamizing Lincoln street from Chestnut to Walnut avenue.

FURNISHING CEMENT—Cost not stated. San Jose, Santa Clara Co., Cal. Engineer, County Surveyor, San Jose. Owners, Santa Clara County. Bids received for furnishing the county with 50,000 barrels of cement have been rejected by the County Supervisors. Bids tallied in every one of the twenty-two individual items. The bids were made by the following firms: Standard Portland Cement Co., Pacific Portland Cement Co., consolidated; Henry Cowell Lime and Cement Co., and the Santa Cruz Portland Cement Co. Whether or not new bids will be called is not known.

CULVERT — Reinforced concrete. Cost not stated. Redwood City, San Mateo Co., Cal. Engineer, County Surveyor, Monterey County. The Supervisors have veyor, Redwood City. Owners, San instructed the County Surveyor to prepare plans and specifications for a culvert or bridge at the foot of Millbrae hill. Plans will be presented at the next meeting of the Boart when bids will probably be called.

BRIDGES—Reinforced concrete, \$32,290 and \$28,500. Salinas, Monterey Co., Cal. Engineer, County Surveyor, Salinas. Owners, Monterey County. L. G. Hare, Salinas, presented the low bid for the construction of the Neponset bridge at \$34,387 (engineer's estimate \$30,000), and W. L. Gillam & Son, San Jose, the low bid for the Nacimiento Bridge at \$27,730 (engineer's estimate \$28,500). Bids have been taken under advisement

CRUSHED ROCK—Cost not stated. Santa Cruz, Santa Cruz Co., Cal. Engineer, County Surveyor, Santa Cruz. Owners, Santa Cruz County. Bids will be opened on June 25th for furnishing and delivering 50,000 tons of crushed rock to the County of Santa Cruz. Full particulars can be secured by addressing the County Clerk at Santa Cruz.

STORE ADDITION—1 story and base, brick. Cost not stated. Palo Alto, Santa Clara Co., Cal. Architect, Henry Shermund, Mills Bldg., S. F. Owners, Thoits Estate. The Thoits Estate building at the southeast corner of University and High street has been leased to the Frazer Department Store, and will undergo alterations. Included in the work will be new store fronts, marble and tile wainscot, sheet metal work, masonry, interior finish, mill work and electric work and plumbing. Plans are complete and figures are now being taken.

BUILDING CONTRACTS

SANTA CLARA COUNTY.

FRAME DWELLING
LOT NO. 10 Therion Sub., Santa Clara.
All work for frame dwelling.
Owner.....L. S. Rogers, 1124 Jackson, Santa Clara.
Architect...T. C. Hastings, 31 S-Morrison Ave., San Jose.
Contractor..T. C. Hastings, 31 S-Morrison Ave., San Jose.
Filed June 2, '15. Dated June 1, '15.
Frame up\$410
1st coat plaster on..... 410
When completed 410
Usual 35 days..... 410
TOTAL COST, \$1640

Bond, none. Limit, 60 days. Forfeit, \$2 per day. Plans and specifications filed.

BUILDING CONTRACTS

SAN MATEO COUNTY.

SCHOOL BUILDING
LOTS 1 AND 2 BLK 58, First Addition to Farallone. All work except plumbing, electric wiring and sheet metal work for school building.
Owner.....Board of Trustees of the Montara School District, Montara.
Architect...J. B. Ogborn, 822 MacDonald Ave., Richmond, Cal
Contractor..Paul K. Jones.
Filed June 8, '15. Dated June 3, '15.
Building enclosed\$1318.75
When plastered 1918.75
When completed 1918.75
Usual 35 days..... 1918.75
TOTAL COST, \$7675.00
Bond, limit, forfeit, plans and specifications, none.

WHARVES AND BULKHEADS
LANDS OF THE SOUTH SAN FRANCISCO Land & Improvement Co. at South San Francisco. All work for wharves and bulkhead.
Owner.....South San Francisco Land & Improvement Co., South San Francisco.
Architect...None.
Contractor..San Francisco Bridge Co., Nevada Bank Bldg., S. F.
Filed June 8, '15. Dated May 20, '15.
15th of each month..... 75%
Usual 35 days.....Final payment
TOTAL COST—
W. P. Fuller & Co. wharf, \$1779.
Western Meat Co. wharf, \$1594.
Bulkhead per foot 50 ft. standard piles, \$6.35.
Sheet piling only 4x12x30, \$2.45.
Bulkhead, per foot, 60 ft. standard piles, \$6.60.
Piles in bulkhead longer than 60 ft., 13c for each additional foot.
Bond, \$10,000. Surety, Pacific Coast Casualty Co. Limit, Sept. 1, 1915.
Forfeit, \$25 per day. Plans and specifications filed.

FRAME RESIDENCE
LOT 73 BLK "D," Mission Street Tract.
All work for five-room story and a half frame residence.
Owner.....John and Mary Rehaume, Daly City.
Architect...None.
Contractor..E. A. Reynolds and F. Gehring, Daly City.
Filed June 8, '15. Dated June 5, '15.
Frame up\$400
When plastered 400
When completed 400
Usual 35 days..... 400
TOTAL COST, \$1600

Bond, \$800. Sureties, H. Plath and Caroline Gehring. Limit, 70 working days. Forfeit, none. Plans and specifications filed.

DREDGING
SITE OF OLD CANAL S OF AND ADJ. lands of W. P. Fuller & Co., Steiger Terra Cotta Co., Western Meat Co., American Marble & Mosaic Co., and S. S. F. Land & Imp. Co., (San Francisco Bay). All work for dredging canal (460,000 cubic yards.)

Owner.....South San Francisco Land & Improvement Co., South San Francisco.
Engineer...B. W. Seymour, S. F.
Contractor..San Francisco Bridge Co., Nevada Bank Bldg., S. F.
Filed June 8, '15. Dated May 20, '15.
On 15th of each month..... 75%
Usual 35 days.....Balance
TOTAL COST about, \$40,000
Bond, \$20,000. Surety, Pacific Coast Casualty Co. Limit, Oct. 20, 1915. Forfeit, \$25 per day. Plans and specifications filed.
NOTE:—Price, \$.0738 per cubic yard.

DWELLING AND GARAGE
LOT 15 BLK — on Burlingame Ave W from County Road, Burlingame. All work for two-story 6-room and sleeping porch shingled dwelling and garage.
Owner.....George P. and May H. Paine, Burlingame.
Architect...None.
Contractor..J. H. Rockingham, 2306 San Jose Ave., Alameda.
Filed June 7, '15. Dated June 7, '15.
Foundation up\$581.25
Frame up 581.25
1st coat plaster on..... 581.25
Building completed 581.25
Usual 35 days..... 775.00
TOTAL COST, \$3100.00
Bond, none. Limit, 120 working days. Forfeit, none. Plans and specifications filed.

COMPLETION NOTICES

SANTA CLARA COUNTY.

RECORDED **ACCEPTED**
May 28, 1915—IN FRONT OF ENCINA Hall, Stanford Campus. Stanford University to Larsen-Sampson Co.May 20, 1915
June 2, 1915—ON STANFORD CAMPUS in front of Encina Hall, Palo Alto. Stanford University to Scott Co.....May 27, 1915
June 2, 1915—LOT 21 BLK 1, Garden City Tract, San Jose. A M Woolford to whom it may concern... June 1, 1915

LIENS FILED.

SAN MATEO COUNTY.

RECORDED **AMOUNT**
June 3, 1915—LOTS 6 AND 7 BLK 7, Central Park, Redwood City. Gray-Thorning Lumber Co vs P Bechler, C A Hooper & Co and The Moxey Realty Co\$843.55

COMPLETION NOTICES

SAN MATEO COUNTY.

RECORDED **ACCEPTED**
June 7, 1915—LOT 25 Map 1 Sub No. 2, Wellesley Park. Caroline M Woodhams to G G Bertsche.....May 29, 1915
June 7, 1915—LOT 16 BLK 1, Central Addition to San Mateo. John McConvey to Croop & Keegan..... June 5, 1915
June 10, 1915—LOTS 6 AND 7 BLK 7 Central Park, Redwood City. The Moxey Realty Co to P Bechler... June 7, 1915

RELEASE OF LIENS

SAN MATEO COUNTY.

RECORDED

AMOUNT

June 10, 1915—LOTS 6 AND 7 BLK 7,
Central Park, Redwood City. Gray-
Thorning Lumber Co to P Bechler,
C A Hooper & Co and The Moxey
Realty Co\$848.55
June 10, 1915—LOTS 6 AND 7 BLK 7,
Central Park, Redwood City Gray-
thorning Lumber Co to P Bechler
..... \$189.45

MARIN, CONTRA COSTA AND
SONOMA COUNTIES

BUNGALOW—1½ story and base,
frame, \$4,000. Ross Valley, Marin Co.,
Cal. Architect, Charles C. Frye, 20
Montgomery street, S. F. Owner's
name withheld. The dwelling has been
designed to contain seven rooms, bath
and sleeping porch. Interior finish will
be of pine, hardwood and white en-
amel. Hardwood floors will be used
in the principal rooms. There will be
furnace heat and open fire places.
Mantels will be of tile. Tile wainscot
will be used in the bath room. An au-
tomatic water heater is specified. Ex-

E. H. Williams

Chalmer Munday

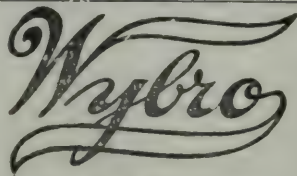
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terior of the dwelling will be covered
with cement plaster on metal lath.
Plans are now being prepared.

STREET PAVING, GRADING AND
GUTTERS—Cost not stated. Colusa,
Colusa Co., Cal. Engineer, City En-
gineer, Colusa. Owners, City of Colusa.
Plans have been approved and figures
are now being taken and will be open-
ed on June 28th for the following street
improvements: Paving of 10th street,
from the south line of Jay street to the
northerly line of the alley between Jay
and Oak streets, and intersections, by
curbing, grading and paving.

SEWER SYSTEM EXTENSION—Cost
not stated. Richmond, Contra Costa
Co., Cal. Engineer, City Engineer,
Richmond. Owners, City of Richmond.
The City Engineer and the Street Com-
mittee are considering plans for the
complete sewerage of the annexed dis-
trict. It is planned to put in sewers
in the East Shore Park Tract, Town of
Stege Tract, Central Pullman Tract,
Coleman Pullman Tract, Central Rich-
mond Tract, Walls Addition, Pullman
Townsite, Coleman Park and Bay View
Park.

SEWER CONSTRUCTION—Cost not
stated. Sebastopol, Sonoma Co., Cal.
Engineer, Town Engineer, Sebastopol.
Owners, Town of Sebastopol. Plans
and specifications for the construction
of the High Street sewer have been
adopted by the Town Board, and were
referred to the Sewer Committee. Bids
on the work will soon be called for.
The Sewer Committee has been in-
structed to purchase an amount of
first class 6-inch, salt glazed sewer
pipe to be used in the construction of
the south side sewer. The committee
will also purchase a carload of gravel.

STREET PAVING—Cost not stated.
Richmond, Contra Costa Co., Cal. En-
gineer, City Engineer, Richmond. Own-
ers, City of Richmond. Plans and
specifications for the paving of Anita
and 31st streets from Cutting Boule-
vard to Potrero avenue with standard
macadam have been ordered prepared
by the City Council. On completion
and adoption of the plans bids will be
called for.

RETAINING WALL—Reinforced con-
crete, \$980. Vacaville, Solano Co., Cal.
Engineer, Town Engineer, Vacaville.
Owners, Town of Vacaville. L. B. Withers, Ber-
keley, submitted the lowest bid for the
reinforced concrete retaining wall to be
erected in front of the school prop-
erty. His bid was \$980. He will be
awarded the contract.

STREET PAVING—Cost not stated.
Rio Vista, Solano Co., Cal. Engineer,
Town Engineer, Rio Vista. Owners,
Town of Rio Vista. The Board of Town

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Trustees has passed a resolution of intention to improve Front street from the northeastern line of Logan street to the northeastern line of Montezuma street. The improvement will consist of concrete curbs and gutters, grading and paving. Plans and specifications for the work are now on file in the office of the Town Clerk.

RESIDENCE—2 story and base, frame, \$5,000. Vallejo, Solano Co., Cal. Architect, Merrill Newsom, 1748 Broadway, Oakland. Owner, G. De Bonis. The dwelling has been designed for an eight-room house with two baths and sleeping porch. Interior finish will be of pine and white enamel. Hardwood floors will be used in the living room, dining room and reception hall. There will be furnace heat and open fire places. Mantels will be of tile. Tile wainscot will be used in the bath rooms. An automatic water heater will be installed. Exterior of the house will be covered with cement plaster on metal lath. Plans are complete and the work will be done by Day Labor.

SCHOOL HEATING SYSTEM—Cost not stated. Sebastopol, Sonoma Co., Cal. Architects, Ernest L. Norberg and Thomas Edwards, Bank Bldg., Burlingame. Owners, Sebastopol Grammar School District. Plans are complete and figures will be opened on June 18th for furnishing and installing a central heating system in the new grammar school building at Sebastopol. Plans can be secured from the architects.

Contracts Awarded

BRIDGE—Steel and reinforced concrete, \$8,691. Petaluma, Sonoma Co., Cal. Engineer, County Surveyor, Santa Rosa. Owners, Sonoma County. Contractor, D. E. Albers, Santa Rosa. Contract price, \$8,691. This contract calls for the construction of the bridge over Dry Creek at Lamberts.

BUILDING CONTRACTS

CONTRA COSTA COUNTY.

ADDITION AND ALTERATION
LOT OF LAND SITUATED IN LIME Quarry School District. Brick work, carpenter, hardware, black boards and work as laid out in plans and specifications for one-story frame one room addition to and remodeling of present school building of Lime Quarry School District.
Owner.....Lime Quarry School.
Architect...James I. Narbett, Berry Bldg., Richmond.
Contractor..Thomas Holladay, Concord
Filed June 8, '15. Dated June 5, '15.
Completed and accepted.....\$813
Usual 35 days.....272
In addition to above, owner agrees to pay or cause to be paid to contractor at completion of work, an additional sum of \$14.70 in payment for difference in shingle work, etc.

TOTAL COST, \$1085

Bond, \$550. Sureties, M. N. Breckinridge and E. H. Ward. Limit, not later than Aug. 1, 1915. Forfeit, none. Plans and specifications filed.

MACHINE SHOP

IN OR NEAR TOWN OF MARTINEZ and formerly known as Cutter and Frazer Tracts of land. All work for one machine shop.

Owner.....Shell Co. of California, Inc., 343 Sansome, S. F.

Architect...Engineering Department Shell Oil Co., 343 Sansome, San Francisco.

Contractor..William A. Newsom, Sharon Bldg., San Francisco.

Filed June 10, '15. Dated June 1, '15.

Arrival of material at site.... 50%

Completed and accepted..... 25%

Usual 35 days..... 25%

TOTAL COST, \$5335

Bond, \$2668. Sureties, C. S. Laumeister and Ludwig B. G. Koenig. Limit, July 28, 1915. Forfeit, none. Plans and specifications filed.

ALL WORK FOR ONE STORE HOUSE on above.

Contractor..William A. Newsom, Sharon Bldg., San Francisco.

Filed June 10, '15. Dated June 1, '15.

Payments same as above.....

TOTAL COST, \$4143

Bond, \$2072. Sureties, C. S. Laumeister and Ludwig B. G. Koenig. Limit, July 28, 1915. Forfeit, none. Plans and specifications filed.

TANKS

AT COMPANY'S PLANT AT AVON, Contra Costa. All work for three water seal top steel distillate tanks to contain 55,000 barrels of 42 gallons each of refined products of petroleum
Owner.....Associated Oil Co., Sharon Bldg., San Francisco.

Engineer...A. F. L. Bell, Sharon Bldg., San Francisco.

Contractor..Llewellyn Iron Wks, Main and Redondo, Los Angeles.

Filed June 8, '15. Dated April 24, '15.

10 days after arrival at tank

sites\$18,000

Completion of 3 tanks..... 9,000

Usual 35 days..... 9,000

TOTAL COST, \$36,000

Bond, \$18,000. Sureties, Hannah D. Llewellyn and Benj. Harwood. Limit, forfeit, none. Plans and specifications filed.

COMPLETION NOTICES

CONTRA COSTA COUNTY.

RECORDED **ACCEPTED**

May 29, 1915—LOTS 12 AND 13 BLK

51 in City of Richmond Trt. Harry

E Pine to J A Fagerstrom. May 28, '15

June 4, 1915—LOTS 3 AND 4 BLK 321

of Add'n or Welch Survey in Town

of Martinez. D L Hilson to J F

Hoadley.....June 3, 1915

June 7, 1915—FRACTIONAL LOTS 7

and 8 Blk 108 Frazer Add'n to

Town of Martinez. A E Selmer to

Ludden & Lambley.....June 2, 1915

BUILDING CONTRACTS

MARIN COUNTY.

DWELLING

THIRD ST., San Rafael. Carpenter,

plumbing, etc., for one-story dwlg.

Owner.....Sam Smith, San Rafael.

Architect...T. O'Connor, San Rafael.

Contractor..Arthur Heydenaber, Ross.

Filed June 8, '15. Dated June 7, '15.

Frame up\$860

Brown mortar on..... \$60

When completed \$60

Usual 35 days..... \$60

TOTAL COST, \$3140

Bond, \$860. Sureties, Mathew Lindsay

and H. C. Christoffersen. Limit, 61 days. Forfeit, none. Plans and specifications filed.

DANCING PAVILION

SAN RAFAEL. All work including carpenter work, painting, etc., for one-story dancing pavilion.

Owner.....S. K. Herzog, San Rafael.

Architect...Milton Lichtenstein, 111 Ellis, San Francisco.

Contractor..S. Saywell, San Anselmo.

Filed June 5, '15. Dated June 5, '15.

Building framed\$610

Building sheathed 610

When completed 615

Usual 35 days..... 615

TOTAL COST, \$2450

Bond, \$1225. Surety, S. Sawyell. Limit,

as soon as possible. Forfeit, none

Plans and specifications filed.

LIENS FILED

MARIN COUNTY.

RECORDED **AMOUNT**

June 7, 1915—SAN ANSELMO. Chris-

tenson Lumber Co vs King C Lay-

lander and wife and J A Laylander

.....\$81.75

COMPLETION NOTICES

MARIN COUNTY.

RECORDED **ACCEPTED**

June 10, 1915—BALTIMORE PARK,

Marin Co. Geo H Eckert to E E

Etherton.....May 29, 1915

June 5, 1915—SAN RAFAEL HGHTS,

San Rafael. Albert B Anderson to

E L Wilson.....June 4, 1915

June 5, 1915—EVANS TRACT, Ross.

R O Connor to J Looney..May 27, '15

FRESNO, MODESTO STANISLAUS AND CENTRAL CALIFORNIA

BRIDGE—Reinforced concrete. Cost not stated. Sonora, Tuolumne Co., Cal. Engineer, County Surveyor, Sonora. Owners, Tuolumne County. Plans and specifications for a concrete bridge to replace the present bridge below Jamestown on the line of the State Highway have been ordered prepared by the County Supervisors. Bids will be taken on the completion of the plans.

BRIDGE—Reinforced concrete, \$2,-948. Sonora, Tuolumne Co., Cal. Engineer, County Surveyor, Sonora. Owners, Tuolumne County. The lowest bid received for the construction of a reinforced concrete bridge over Big Creek in Road District No. 44 was that of E. H. Snyder and W. A. Stratton, Sonora, at \$2,948. Four other figures were received. All bids were taken under advisement.

STREET PAVING, SIDEWALKS, ETC.—Cost not stated. Fresno, Fresno Co., Cal. Engineer, City Engineer, Fresno. Owners, City of Fresno. Steps for the paving of all letter named streets from K street east were taken by the City Council at their last meeting when resolutions of intention for the paving of P street from Stanislaus to San Benito were passed. Plans and specifications having been adopted, resolutions for doing the following work were ordered: Widening of Thomas avenue from Blackstone avenue to Glenn avenue, sidewalk construction on both sides of S street from

Tulare street to Mono street, opening of R street into Clark street on the northeast and Ventura avenue on the southwest. After all the requirements have been complied with bids on this work will be called for.

GOVERNMENT ROAD WORK—\$50,000. Fresno, Fresno Co., Cal. Engineer, United States Engineers, Washington, D. C. Owners, United States Government and Tulare and Fresno Counties. The United States Government Engineering Department has completed the location survey of the new road to be built next year from Grant Park in Fresno and Tulare Counties to Giant Forest in the Sequoia National Park over the ridge that runs down the Sierras, through Big Meadows, around Old Shelly Mountain to Jennie Ellis lake, down the Kings River trail to Cahoon Meadows and into Wolverton and Giant Forest. Nine miles of this big new development road that opens a vast mountain region will be built by the Supervisors of Tulare County. The remaining distance, close to 35 miles, lies within the boundaries of the national parks and will be built by the Government.

IRRIGATION SYSTEM—Cost not stated. Mareda, Madera Co., Cal. Engineers, Miller & Lux, Merchants' Exchange Bldg., S. F. Owners, Miller & Lux. According to reports received, Miller & Lux of San Francisco are considering plans to organize a great irrigation district along the course of the San Joaquin River. Meetings are being held in San Francisco and an early decision is expected.

IRRIGATION FILL—Earth and concrete, \$70,000. Modesto, Stanislaus Co., Cal. Engineer, F. C. Herrmann, Modesto. Owners, Modesto and Waterford Irrigation Districts. At a joint meeting of the Waterford Irrigation District Board of Directors and the Modesto Board, it was decided to refer the question of the use of water from the Modesto ditch to Engineer F. C. Herrmann of the Modesto District and Engineer A. Griffin of the Waterford District. The two engineers will report on the probable cost of enlarging the main canal of the Modesto Irrigation District and with these figures available, the directors will finally consider the situation. It will probably take the engineers a month to make the investigation. Plans drawn by Engineer Herrman were accepted and all other plans abandoned for building the Gasburg fill. Herrmann submitted three plans, each of which is to be bid on. One is for an earthen fill with a concrete culvert under it at the channel. The next provides for an earthen fill cut to the deepest part of the crossing where a concrete arch will be built with columns to support the flume. The third plan provides for a concrete arch with supporting pillars. It is thought that bids will on the work will be called for at next Saturday's meeting.

SEWERS—Cost not stated. Bakersfield, Kern Co., Cal. Engineer, City Engineer Rea, Bakersfield. Owners, City of Bakersfield. City Engineer Rea is working on preliminary rough plans for sewer districts for the parts of East Bakersfield not included in sewer districts already established.

FURNISHING CEMENT—Cost not stated. Bakersfield, Kern Co., Cal. Engineer, County Surveyor, Bakersfield.

Owners, Kern County. Three bids for supplying the county with 90,000 barrels of cement to be used in the construction of highways in Kern County opened by the Supervisors are as follows: The County of Los Angeles bid \$1.75 f. o. b. their plant, and the Pacific Portland Cement Company and the Santa Cruz Portland Cement Company each bid at varying prices f. o. b. Kern County points. The bids were referred to the Highway Commission for analysis.

ROAD CONSTRUCTION—\$6,989. Sonora, Tuolumne Co., Cal. Engineer, County Surveyor, Sonora. Owners, Tuolumne County. R. Reid, Sonora, submitted the lowest figure for the construction of the new road in the Fourth Road District and will probably be awarded the contract. His bid was \$6,989.

STREET PAVING—Cost not stated. Oroville, Butte Co., Cal. Engineer, City Engineer, Oroville. Owners, City of Oroville. The City Trustees have ordered the City Engineer to prepare the necessary plans and specifications for the paving of Montgomery street from Lincoln street to Fourth avenue. On completion and approval of the plans bids will be called.

RESIDENCE—1 story and base, frame. Cost not stated. Turlock, Stanislaus Co., Cal. Architect, Henry Shermund, Mills Bldg., S. F. Owner, Howard Whipple. The dwelling has been designed for an eight-room house with two baths and sleeping porch. Interior will be finished in pine and hardwood veneer with white enamel in the bed rooms. Hardwood floors will be used in the living room, dining room and reception hall. There will be open fire places and tile or brick mantels. Exterior of the house will be covered with cement plaster on metal lath. Bids are being taken.

SCHOOL—1 story and base, hollow tile, \$10,000. Orange Cove, Fresno Co., Cal. Architects, Bowen & Davis, Griffith-McKenzie Bldg., Fresno. Owners, Orange Cove School District. The building will contain four class rooms. Interior finish will be of pine. There will be a central heating system and modern school plumbing. Exterior of the building will be faced with cement plaster. Plans are complete and now out for figures. Bids will be opened on June 19th. Plans and specifications can be secured from the architects.

BUILDING CONTRACTS.

FRESNO COUNTY.

RESIDENCE

N ½ OF BLK 2, Dunbar Tract, Fresno. Residence.
Owner.....A. D. McAlpin, 171 Van Ness, Fresno.
Architect...W. Purdin, 2970 Washington, Fresno.
Contractor..Reese & Atkins.

COST, \$2000

DWELLING

LOTS 13 AND 14 BLK 163, Fresno. All work for dwelling.
Owner.....Minnie D. Clinch.
Architect...None.
Contractor..Williams & De Viese.

COST, \$4000

COMPLETION NOTICES

FRESNO COUNTY.

RECORDED ACCEPTED
June 8, 1915—LOTS 17 TO 22 BLK 85,
Fresno. L L Cory to whom it may
concern.....June 7, 1915

SACRAMENTO, STOCKTON AND NORTHERN CALIFORNIA

BRIDGES—Steel and reinforced concrete. Cost not stated. Red Bluff, Tehama Co., Cal. Engineer, County Surveyor Lunning, Red Bluff. Owners, Tehama County. The Board of Supervisors has directed County Surveyor Lunning to prepare plans and specifications for the construction of all bridges which the county must build on the highway route between Corning and Proberta. In addition to the several smaller bridges, it will be necessary for the county to build a new bridge across Elder Creek, and to either build a new bridge across Thomes Creek or move the bridge now located just east of the railroad at Richfield to a point several hundred feet up stream and west of the railroad bridge. Surveyor Lunning was also instructed to prepare plans and specifications for a bridge across Oat Creek at Proberta on the Proberta-Red Bluff highway link, and for an underground railroad crossing at a point south of Red Bluff.

BRIDGE—Steel and reinforced concrete. Cost not stated. Eureka, Humboldt Co., Cal. Engineer, County Surveyor, Eureka. Owners, Humboldt County. According to word received from this city specifications for the proposed bridge over Salmon Creek near Beatrice are nearing completion and bids will soon be called.

BRIDGES—4 reinforced concrete and steel. Cost not stated. Red Bluff, Tehama Co., Cal. Engineer, County Surveyor Lunning, Red Bluff. Owners, Tehama County. The Board of Supervisors has accepted plans and specifications for four different types of bridges, one of which will be used to span the sand sloughs east of Red Bluff. Bids are now being taken on each of the four types of bridges. The total length of the three bridges will be about 3,300 feet, and they will span the sand slough just east of Red Bluff, requiring a bridge about 2,200 feet long; the Samson slough, one-half mile farther east, requiring a bridge about 450 feet long, and the Paynes Creek slough about 600 feet wide. Bids will be opened on the bridges on June 29th. The four types of bridges provide for either concrete or steel and long or short span.

BRIDGES—2, steel and reinforced concrete, \$7,000 and \$4,000. Redding, Shasta Co., Cal. Engineer, County Surveyor, Redding. Owners, Shasta County. The Supervisors have approved plans and specifications for two new bridges of steel construction, one across Clover Creek near Millville and one across Clear Creek near Igo, which will be 280 feet long. The first structure will cost approximately \$4,000 and the second \$7,000. Bids for the construction of both structures are now being taken. Plans and specifications for the work may be secured from the County Surveyor at Redding.

BRIDGES—Steel and reinforced concrete. Cost as follows. Stockton, San Joaquin Co., Cal. Engineer, County Surveyor, Stockton. Owners, San Joaquin Co. Eight bids were opened by the County Supervisors for the construction of bridges over the Middle and Old Rivers, and all bids were taken under advisement. It is thought that Tibbitts-Pacific Co. of San Francisco will be awarded the contract, their bid being: Old River—substructure, \$17,950; socket piling, \$14,820; superstructure, \$50,490; wooden pier block, \$53,789; protection piers, \$3,400. Middle River—substructure, \$19,515; socket piling, \$15,400; superstructure, \$48,930; wooden pier block, \$52,322; protection piers, \$3,400. Other bidders on the work were: Security Construction Co., Messmer & Rice, Penn Bridge Co., Ross Construction Co., Thomson Bridge Co., The Midlin Bridge Co., and California Construction Co. The contract will probably be awarded at the next meeting of the Supervisors.

BRIDGES—7, steel and reinforced concrete, \$29,650. Yreka, Siskiyou Co., Cal. Engineer, County Surveyor, Yreka. Owners, Siskiyou County. Contractors, Penn Bridge Co. Contract price, \$29,650. Two structures over Hudon Creek, near Hornbrook, must be begun by July 20th. Work on two other bridges over Cottonwood Creek and Klamath River must start by September 7th, and three others by November 1st. The work must be completed by January 1, 1916. The first two will be concrete structures and the others will be of steel construction.

COURT HOUSE—2 story and base, reinforced concrete, \$80,000. Susanville, Lassen Co., Cal. Architect, Geo. C. Sellon, 1005 K street, Sacramento. Owners, Lassen County. Preliminary plans have been prepared for a reinforced concrete court house to be erected in Susanville. Construction will be fireproof throughout. Besides the usual offices provided for the various county officials the building will contain two court rooms, office for the County Surveyor and an assembly hall. All of the county officials will be provided with fireproof vaults. Interior finish will be of metal and hardwood. Marble and tile are specified for the corridors. There will be steam heat, vacuum cleaning and modern plumbing. Hollow tile interior partitions are specified. The exterior of the building will be faced with pressed brick and granite. Working drawings will be completed shortly. Further mention will be made of the work.

RAILROAD CONSTRUCTION—Cost not stated. Beckwith, Plumas Co., Cal. Engineer's name not given. Owners, Davey Bros., Sardine. Davey Bros., of Sardine Valley, will build a railroad and a saw mill on the Sierraville road about two miles from Beckwith. The railroad will be built into a valuable belt of timber known as the McAlpine Timber. Negotiations are now underway for a right of way for the road across the land owned by A. E. Bulson.

STREET IMPROVEMENTS—Cost not stated. Gridley, Butte Co., Cal. Engineer, City Engineer, Gridley. Owners, City of Gridley. Bids received for improving 15 blocks in this city show Clark & Henery Co., Ochsner Bldg., Sacramento and the Municipal Improvement Co., Richmond, as the two

lowest bidders. An award of contract will be made shortly.

STREET WORK—Cost not stated. Sacramento, Cal. Engineer, City Engineer, Sacramento. Owners, City of Sacramento. Bids will be opened on June 22nd for the following street work: Curbing, grading and paving of Schley avenue from the easterly line of 31st street to a point 35 feet east of the easterly line of Yardley avenue. U street from the easterly line of 88th street to the westerly line of 19th street. V street from the westerly line of 19th street to the westerly line of 21st street, to be improved.

PIPE LINE—Cost not stated. Oakdale, Stanislaus Co., Cal. Engineer, Chief Engineer Oakdale Irrigation District, Oakdale. Owners, Oakdale Irrigation District. At the last meeting of the Oakdale Irrigation District the engineer was instructed to construct a pipe line connecting the Crane lateral with the town main ditch to supply the farmers on the lower end of the latter ditch with more water.

IRRIGATION SYSTEM—Cost not stated. Willows, Glenn Co., Cal. Engineer, John P. Ryan, Willows. Owners, Proposed Briscoe-Stoney Creek Irrigation District. Engineer John P. Ryan's proposal to form an irrigation district west of Willows, using Briscoe and Stoney Creek water to wet the fruit belt, has been taken up by a number of bankers and business men in Willows, and has met with unanimous approval. Plans to develop the scheme are developing and action is expected within a few weeks.

STREET IMPROVEMENTS—\$29,580. Stockton, San Joaquin Co., Cal. Engineer, City Engineer, Stockton. Owners, City of Stockton. Plans and specifications for the improvement of East Market street from the northerly line of Fair Oaks avenue to the westerly line of Filbert street by grading, curbing and guttering, construction of concrete sidewalks and asphalt-concrete pavements are completed. A call for bids on this work will probably be issued at the next meeting of the Council.

PARK PUMPING STATION—Cost not stated. Stockton, San Joaquin Co., Cal. Engineer, City Engineer, Stockton. Owners, City of Stockton. Plans and specifications for the construction of the new pumping station for the new park in the northwestern part of the city have been adopted by the City Council and a call for bids will be issued at an early date.

SCHOOL HEATING AND VENTILATING—Cost not stated. Woodland, Yolo Co., Cal. Architect, W. H. Weeks, 75 Post street, S. F. Owners, Woodland School District. Plans are complete and bids will be opened on June 18th for the heating and ventilating to be installed in the new Woodland grammar school. Plans and specifications can be secured from the office of the architect.

SCHOOL ADDITION—1 story, frame and plaster. Cost not stated. Arcata, Humboldt Co., Cal. Architect's name not given. Owners, Arcata Union High School District. The Trustees are advertising for bids for the construction of a 40 by 70 foot annex to the present school building. The annex will be used as an assembly hall. Plans provide for a maple floor and interior fin-

ish of pine. Plans and specifications for the work may be secured from the trustees of the district.

Contracts Awarded

BRIDGE—Reinforced concrete, \$4,888. Auburn, Placer Co., Cal. Engineer, Count Surveyor, Auburn. Owners, Placer County. Contractors, Jenkins & Wells, Sacramento. Contract price, \$1,888.

CHURCH—2 story and base, frame, \$9,300. Sebastopol, Sonoma Co., Cal. Architect, W. J. Wthe, Central Bank Bldg., Oakland. Owner, Methodist Episcopal Church of Sebastopol. Contractor, Chas. J. U. Koenig, 180 Jessie street, S. F. Contract price, \$10,300.

STREET IMPROVEMENT—Cost not stated. Sacramento, Cal. Engineer, City Engineer, Sacramento. Owners, City of Sacramento. Contractors, McGillivray Construction Co., 1007 7th street, Sacramento. Contract price not stated.

BRIDGES—2, steel and concrete, \$71,490 and \$71,495. Stockton, San Joaquin Co., Cal. Engineer, County Surveyor, Stockton. Owners, San Joaquin County. Contractors, Tibbitts Pacific Co., S. F. Contract price, Old River bridge, \$71,490, and Middle River bridge \$71,495.

SCHOOL—1 story and base, frame, \$7,564.28. Sacramento, Cal. Architect's name not given. Owners, Arden School District. Contractors, Scoble & Matsoo, Sacramento. Contract price, \$7,564.28.

BUILDING CONTRACTS

SACRAMENTO COUNTY.

ALTERATIONS AND ADDITIONS

NO. 1321 H ST., on W 20 feet Lot 5 and E ½ Lot 6 Blk G, H, 13th and 14th Sts., Sacramento. Build addition on rear and remodel and make 12 apartments of 5-rooms each of frame tenement house.

Owner.....C. W. and H. C. Johnson, 1323 H St., Sacramento.

Architect...F. H. Schardin, Forum Bldg., Sacramento.

Contractor..John M. E. Morrill, 1009 Yale, Sacramento.

COST, \$12,500

FRAME TENEMENT

NO. 1115 TWENTY-SECOND ST., on S ¼ of W ½ Lot 1, K, L, 22nd and 23rd Sts., Sacramento. Two-story frame tenement house (4 apartments of 3 rooms each).

Owner.....C. C. Robertson, 1025 8th St., Sacramento.

Architect...None.

Contractor..Robert Powell & Co., 2811 T St., Sacramento.

COST, \$5000

REPAIRS

NO. 1231 K ST., on E ½ Lot 7 Blk J, K, 12th and 13th, Sacramento. Repair fire damage to residence.

Owner.....J. G. Schroth, M St., bet 15th and 16th, Sacramento.

Architect...None.

Contractor..G. Edward Hook, 718 18th St., Sacramento.

COST, \$990

REPAIR RESIDENCE

NO. 2211 THIRTY-THIRD ST., Sacramento. Repair five-room residence.

Owner.....F. Cahen, 3506 E-14th St.,
Oakland.
Architect...None.
Contractor...S. A. Boltz, 2216 33rd St.,
Sacramento.

COST, \$450

ALTERATIONS

LOTS 1 AND 2, K, L, 4th and 5th Sts.,
Sacramento. Re-arrange and place
shelving in basement of store.

Owner.....Weinstock-Lubin Co.

Architect...None.

Contractor...Chas. Van Hall, 508 17th
St., Sacramento.

COST, \$300

SCHOOL HOUSE

TEN ACRE TRACT in Citrus Heights,
Addition No. 3 on Greenback Road,
Sacramento. One-story and base-
ment school building.

Owner.....The San Juan Union High
School District.

Architect...Sellon & Bailey, 1005 K
St., Sacramento.

Contractor...Walter W. Campbell and
L. J. Turner (as Campbell
& Turner), 3315 J St., Sacra-
mento.

Filed June 8, '15. Dated June 8, '15.

COST, \$32,374

SCHOOL HOUSE

ARDEN SCHOOL DISTRICT, Sacra-
mento. Erection of school house.

Owner.....Board of Trustees, Arden
School District.

Architect...None.

Contractor...Scoble & Matson.

Filed June 8, '15. Dated May 7, '15.

COST, \$7564.28

REPAIRS

NO. 1701 K ST., on Lot 8 Blk J, K, 17th
and 18th Sts., Sacramento. Repair
barn.

Owner.....George Locke, 16th bet.
K and L Sts., Sacramento.

Lessee.....Dr. Edward Tow, 1401 K
St., Sacramento.

Architect...None.

Contractor...F. Mullin, 1236½ G St.,
Sacramento.

COST, \$100

BUILDING CONTRACTS

SAN JOAQUIN COUNTY.

BRICK BUILDING

MARKET, bet. Commercial and Madi-
son, Stockton. All work for three-
story brick building.

Owner.....John Gardner, Stockton.

Architect...Joseph Losekann, San
Joaquin Bldg., Stockton.

Contractor...E. N. Fessler, 210 E-Main
St., Stockton.

Filed June 7, '15. Dated June 5, '15.

Payments of all bills to be made
at office of Coley & Craig, No. 17
N-Hunter Street
At least \$1000 of contract money to
be retained until 35 days after
completion

TOTAL COST, \$17,400

Bond, \$6500. Sureties, J. A. Coley and
J. L. Craig. Limit, Sept. 1, 1915. For-
feit, \$10 per day. Plans and speci-
fications filed.

FRAME RESIDENCE

LOT 10 BLK 5 Survey No. 2999, Stock-
ton. All work for one story frame
residence.

Owner.....H. R. Youngblood, 236 E-
Oak St., Stockton.

Architect...Franklyn E. Warner, Rm.
37, San Joaquin Bldg.,
Stockton.

Contractor...D. M. & John H. Sinnett,
504 W-Park, Stockton.

Filed June 5, '15. Dated June 5, '15.

Ready for plaster.....\$1200

Building completed 1200

Usual 35 days..... 1175

TOTAL COST, \$3575

Bond, none. Limit, 60 days. Forfeit,
\$1 per day. Plans and specifications
filed.

COMPLETION NOTICES

SACRAMENTO COUNTY.

RECORDED ACCEPTED

June 5, 1915—W ½ LOT 3, X, Y, 17th
and 18th Sts., Sacramento. A J

Makle to F A Holdener..May 28, 1915

June 5, 1915—S ½ LOT 4, I, J, 29th
and 30th Sts., Sacramento. F H

Ainsworth to whom it may con-
cern.....April 25, 1915

RELEASE OF LIENS

SACRAMENTO COUNTY.

RECORDED AMOUNT

June 8, 1915—LOT 7867 Goethe's Ad-
dition No. 78, Sacramento. E J

Brickell, \$71; E J Brickell, \$7 to J

W Sturdevant 1915

June 3, 1915—UPPER ½ LOT 13 of
Sheldon Grant, Sacramento. San

Joaquin Lumber Co to Arthur D

Murphy\$1693.51

COMPLETION NOTICES

SAN JOAQUIN COUNTY.

RECORDED ACCEPTED

June 3, 1915—SW SCHOOL & PINE,
Lodi. Lodi Investment Co to H P

Fischer.....June 3, 1915

June 4, 1915—SW SCHOOL & PINE,
Lodi. Lodi Investment Co to H P

Fisher Tile & Marble Co, June 3;
F J Wallace, June 3; Henderson

Bros Co, June 3; Henderson Bros
Co.....June 3, 1915

LOS ANGELES AND SOUTHERN CALIFORNIA

ROAD CONSTRUCTION — Cost not
stated. Fullerton, Orange Co., Cal. En-
gineer, City Engineer, Fullerton. Own-
ers, City of Fullerton. Plans for the
construction of the Brea Road were ap-
proved at the last meeting of the City
Trustees and specifications on the work
were ordered published and bids called
for.

APARTMENT HOUSE—4 story and
base. Class C construction, \$30,000.
Long Beach, Los Angeles Co., Cal. Ar-
chitect, Arthur G. Lindley, Hollings-
worth Bldg., L. A. Owner's name not
given. The building will be erected
on Ocean avenue, covering an area of
38 by 100 feet. There will be a total
of 25 suites of two and three rooms.
All apartments will have wall beds
and private baths. Interior finish will
be of pine with some elm panels and
hardwood floors. Plans provide for
steam heat, a hot water system and
an automatic elevator. Bath rooms will
be finished in tile with composition
floors. Marble and tile wainscot will

be used in the entrance. Exterior of
the building will be faced with ce-
ment plaster. Plans are complete and
figures are being taken.

BRIDGES — 2, reinforced concrete.
Cost not stated. San Luis Obispo, San
Luis Obispo Co., Cal. Engineer, County
Surveyor A. F. Parsons, San Luis Obis-
po. Owners, San Luis Obispo County.
At the last meeting of the County Su-
pervisors bids were ordered received
until July 8th at 10 a. m. for the con-
struction of two bridges to be erected
in San Luis Obispo County. One will
be of reinforced concrete construction
and will be erected over Sulphur Creek
on the State Highway, about four miles
from San Luis Obispo, and on the San
Luis Obispo and Monterey road. The
other will be constructed over San Luis
Obispo Creek at Miles Station on the
State Highway on the San Luis Obispo
and Arroyo Grande road.

BRIDGES — 2, reinforced concrete.
Cost not stated. San Luis Obispo, San
Luis Obispo Co., Cal. Engineer, County
Surveyor A. F. Parsons, San Luis Obis-
po. Owners, San Luis Obispo County.
The County Surveyor has been in-
structed to prepare plans and speci-
fications for the construction of a
bridge across Chorro Creek on the San
Luis Obispo and San Simon road. Plans
were also ordered for the construction
of a bridge on the Buckley road near
the B. Cerrini place.

LIBRARY—1 story and base, brick
and hollow tile, \$25,000. Calexico, Im-
perial Co., Cal. Architects, Allison &
Allison, Hibernian Bldg., L. A. Own-
ers, Town of Calexico. The building
will be erected in three units, first the
central portion and then two wings.
The design is in the classic style. In-
terior will be finished in pine with
maple floors in the principal rooms.
There will be metal book stacks. Ex-
terior of the building will be faced
with cement plaster. The central unit,
which will be erected first, will cost
in the neighborhood of \$10,000. Plans
are now being prepared.

SCHOOL—1 story and base, brick,
\$30,000. Los Angeles, Cal. Architect,
John T. Blee, Union League Bldg., L. A.
Owners, City of Los Angeles. The
building will be erected at Barton Hill
and has been designed to contain six
standard sized class rooms and an au-
ditorium. Interior will be finished in
pine with maple floors in the class
rooms. A central heating system, mod-
ern school plumbing and vacuum clean-
ing will be installed. Exterior of the
building will be faced with pressed
brick. Plans are now being prepared.

SCHOOL—2 story and base, brick,
\$45,000. Los Angeles, Cal. Architects,
Walker & Vawter, Hibernian Bldg., L.
A. Owners, City of Los Angeles. The
building will be erected at the corner
of South Park and Manchester avenues,
and has been designed to contain eight
class rooms, auditorium and depart-
ments of domestic science and manual
training. Interior finish will be of pine
with maple floors in the class rooms.
There will be a central heating sys-
tem, modern school plumbing and vac-
uum cleaning. Program clocks will
also be installed. Exterior of the
building will be faced with pressed
brick. Plans are complete and out for
figures. Bids will be opened on June
24th. Plans and specifications can be
secured from the Secretary of the
Board of Education in the Security
Building.

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Phone Sutter 3580

110 JESSIE ST.

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Eureka Wire &

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J.

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St. Francis Orn.

Iron Works

Sartorius Co.

Palatina Iron

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St. Francis Orn.

Iron Works

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Co.

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Co., H. W.

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Western Asbestos

Magnesia Co.

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Glass, Samuel

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Hughes, Chas. T.

Kohlberg, A. M.

Lloyd & Spengler

MacMeans, H. V.

Meherin & Son,

Mark M.

Pacific Coast Cas-

ualty Co.

Schnee, Gustave

Schweinhart, G.

W.

Webster Co., Per-

cy V.

Brick Contractors

Anderson & Rai-

ney

Alexander, Robt.

Beagle, S. A.
Buckley, Jos.
Collin, Jean
Drake, H. L.
Finnila, M. A.
Gilbertsen, L.
Hogberg & Lud-
wig
John, F. A.
Koldenstrott, F.
Mealey & Collins
Reed & White
Tingberg, John
Whitney & Davies**Brick Dealers.**Bay Develop. Co.
Cal. Brick Co.
Cal. Pottery Co.
Carnegie Brick &
Pottery Co.
City Supply Co.
Clark & Sons, N.
Diamond Brick Co
Tile Co.
Gladding - Mc-
Near Co.
McNear Brick
Agency
Steiger Terra Cot-
ta & Pottery Wks
United Materials
Co.
Western Develop-
ment Syndicate
Western Lime &
Cement Co.**Builders**

Instruments.

Keuffel & Esser Co.

Building Journals

Building and In-

dustrial News.

Daily Pacific

Builder

Building Materials

Alsen's Portland

Cement Co.

Baker & Hamil-

ton

Bay Develop. Co.

Berger Mfg. Co.

Cal. Brick Co.

Cal. Bldg. Mate-

rial Co.

Cal. Pottery Co.,

Inc.

City Supply Co.

Carnegie Brick &

and Company.

Cowell Lime and

Cement Co., H.

Diamond Brick Co

Dwan Co., J. E.

Falls Mfg. Co.

Fuller & Co., W.P.

Gladding - Mc-

Near Co.

Gross Co., Felix

Guerin & Co., J. S.

Holloway Exp.

Methyl Lath Co.

Holmes Distrib-

uting Co.

Johns - Manville

Co., H. W.

Jorgensen & Co., C

Kinnear Mfg. Co.

Lennon Co., J. E.

Levy, Robt. S.

Mapes, Sanford N.

Meyer, Adolph

- Morser, E. J.
Peterson, P. O.
Fridde, Arthur
Walker, J. M.
Church
- Floors, Composition.**
Artolith Mfg. Co.
Bender R.&P. Co., J. W.
Dwan Co., J. E.
Fibrestone & Roofing Co.
Flaherty R. & P. Co., R. H.
Malott & Peterson
- Floors, Hardwood.**
Hardwood Int. Co.
Inlaid Floor Co.
Pac. Floor Sanding Co.
- Galvanized Iron.**
Baker & Hamilton
Berger Mfg. Co.
Gas Fixture.
Day Co., Thomas
- Gas Heating Systems.**
Reactor System
Gas Heating Co
- Gasoline Tanks & Pumps.**
Brown, F. R.
Blaisdell Mch. Co.
- Glass & Glazing.**
Cal. Plate & Window Glass Co.
Friedman Bros.
Fuller Co., W. P.
Grosslicht & Dinnele
Habenicht & Howlett
Mission Plate & Window Glass Co.
Pioneer Plate & Window Glass Co.
Schwartz & Gottlieb
- Grading.**
Brantick, J. P.
Carlin Bros.
Cassaretto, John
Devincenzi & Co., L.
Dillon Teaming Co.
Federal Transfer Co.
Glorgi Co., G.
Hartnett J. D.
Harbor View Contract Co.
Hule Co., E. M.
Lennon Co., J. E.
Lettler, Fred
McGlinchey & Monahan
Montague Co., P.
O'Day Co., Dan'l
O'Donnell, Philip
Powers, Chas. J.
Sibley Grading & Teaming Co.
Star Con. Co.
Wright Co., J. H.
- Granite Curbing.**
Graham Granite Co.
Lead Granite Co., W.
Pacific Granite Co.
Tronoff, John
- Gravel.**
Bay Devel. Co.
Cal. Building Material Co.
Cassaretto, John
City Supply Co.
Standard Crushed Rock Co.
Star Contracting Company
Stone Co., E. B. & A. L.
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Inlaid Floor Co.
Hardwood Interior Co.
Union Floor Co.
- Wood Lumber Co., E. K.**
Hd'ware, Dealers.
Baker & Hamilton
Bennett Bros.
Kruste, J. H.
Joost Bros.
Meyer, Adolph
Norman & Sons, F. G.
Palace Hd'ware Co.
S. F. Hd'ware Co.
Smith Co., P. A.
- Heating & Ventilating.**
Atlas Heating & Ventilating Co.
Kierman & O'Brien
Hurley Co., J. C.
Lawson, Herman
Looney Co., J.
Mangrum & Otter
Snook & Co., Fred W.
Torrid Zone Furnace Co.
Turner Co., The
Wilson, Robt. M.
- House Movers & Raisers.**
Hatch, H. L.
Pearson, N. H.
Sullivan, D. J. & T.
- Hoisting Engineer.**
Le Clair, S. D.
- Inlaid Floors.**
Hardwood Interior Co.
Inlaid Floor Co.
Pac. Floor Sanding Co.
- Interlocking Tile Blocks.**
California Denison Block Co.
- Iron Foundry.**
Steiger & Kerr, Stove & Foundry Co.
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Baker & Hamilton
Dawson & Noyes
Judson Mfg. Co.
Pacific Coast Steel Company.
Trussed Concrete Steel Company.
Woods & Huddart
- Iron Works.**
Brode Iron Wks.
Dyer Bros.
Eureka Wire & Iron Wks.
Golden Gate Iron Works
Hillard Co., C. J.
Kell Iron Works
Michel & Pfeffer
Monarch Iron Works
Pacific Iron Wks.
Pacific Structural Iron Works.
Ralston Iron Works
S. F. Iron Works
Sartorius Co.
Schraeder's Iron Works
Steiger & Kerr Stove & Foundry Co.
Vulcan Iron Wks.
West Coast Wire & Iron Works
Western Iron Works
- Joist Hangers & Post Caps.**
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Pac. Bldg. Materials Co.
Roman Co., C.
Waterhouse & Price Co.
Western Bldrs. Supply Co.
- Lathers, Wood & Metal.**
Balzke, Robt.
Edwards, C. H.
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Kaiser, Jca.
McAbee, E. T.
Raymond, Wm. H.
Snell, Ralph L.
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Day Co., Thomas
Mohillite Co.
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Cowell Lime & Cement Co.
Guerin & Co., J. S.
Lennon Co., J. E.
Pacific Portland Cement Co.
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- Lumber Dealers.**
Acme Lumber Co.
Christenson Lumber Co.
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Doe Co., Frank P.
Excelsior Redwood Co.
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Hart-Wood Lumber Co.
Hauptman Lumber Co.
Kruste Co., J. H.
Hooper Lumber Co.
Higgins Lumber Co., J. E.
Loop Lumber Co.
MacDonald Lumber Co.
Moore Mill and Lumber Co.
Oakley, —
Olson — Mahony Lumber Co.
Peterson, B. T.
Pope & Talbot
Reinhart Mill & Lumber Co.
Ryan, George
Santa Clara Valley Mill & Lumber Co.
Santa Fe Lumber Co.
S. F. Lumber Co.
Schouten & Co., J. W.
Sunset Lumber Co.
Tierman & Beronie
Van Arsdale-Harris Lumber Co.
Wilson Bros. & Co.
Wood Lumber Co., E. K.
Wright, Jr., Wm.
- Magnesite Flooring.**
Artolith Mfg. Co.
Bender R.&P. Co.
Dwan & Co., J. M.
Fibrestone & Roofing Co.
Flaherty R.&P. Co.
R. H.
Goodmansson, A. K.
Malott & Peterson
Watsonite Co.
- Mantels, Tiles & Grates.**
General Building Work Co.
Ginsberg Bros.
Mangrum & Otter
Peerless Agencies Co.
- Marble and Mosaic Work.**
General Building Work Co.
Gnecco, M. H.
Grassi & Co., P.
Mission Concrete & Mosaic Wks.
Mission Marble Works.
Musto Sons-Keenan Co.
New Era Marble & Concrete Co.
Teitz, Francis E.
Tomagnini & Co., G.
Vermont Marble Co.
- Metal Lath.**
Atlantic Fireproofing Co.
Berger Mfg. Co.
Holloway Metal Lath Company.
- Waterhouse & Western Builders' Supply Co.**
Metal Stamping.
S. F. Metal Stamping & Corr. Co.
U. S. Metal Products Co.
- Notary Public.**
Duncan, A. M.
- Oils and Greases.**
Standard Oil Co.
Union Oil Co.
- Ornamental Plastering.**
Benkman, Ed. G.
Binner, Theodore
Larson, O. F.
Lipp & Co., J. F.
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Baker Co., W. T.
Bell, Wm. J.
Bernstein, Wm.
Blum, Louis
Brown, J. L.
Burns Bros.
Clark & Dickson
Cramer Bros.
Conlin, J. J.
Copnick, T. W.
Dahl, T. H.
Donovan, V. J.
Hansen, Elbing A.
Johnson, C.
Kissel, Isidor
Miller, L.
Miller, J. A.
McCubbin, James
Manning, John
Neal, L. J.
Progressive Painting Co.
Quandt & Son
Ruderman, I.
Simon Neilson Co.
Smith, J. S.
Sovig, C. B.
Trost, C. R.
Walk, Mayer
Wagner, Fred
Wagner Bros.
Zelinsky, R.
- Paints, Oils Varnishes, Etc.**
Clark & Dickson
Cohn & Co., Marion D.
Fuller Co., W. P.
O'Brien, J. S.
Paint Products Corporation.
Paraffine Paint Co.
Pratt & Lambert
Whittier - Coburn Co.
- Patent Chimneys.**
Clawson Co., L. E.
Dresser - McDon Hughes, H. J.
- Pile Driving.**
Lamburth, C. E.
- Paving Brick.**
Cal Brick Co.
- Planing Mills.**
Acme Plgn. Mill
Anderson Bros.
Atlas Planing Mill Co.
Builders' Supply Depot
Cal. Door Co.
Cal. Planing Mill.
Emanuel, L. & E. (Inc.)
Empire Planing Mill
Hart & Burmeister
Hermann, A.
Herring's Mill
Holden - Deuprey Co.
Lorden Mill Co., J. F.
Main St. Planing Premus Planing Mill
Reinhart Lumber & Planing Mill
Ryan, George
- San Mateo Planing Mill.**
Santa Clara Valley Mill & Lumber Co.
Spencer St. Planing Mill
Taylor & Co.
Western Planing Mill
Veyhle & Collins
- Plasterers.**
Bosch, Herman
Bradley & O'Reilly
Brennan, James
Campbell, Chas.
Campbell & Williams
Connel Co., J. E.
Daly, J. H.
Duthie, Chas.
Gilmour, W. G.
Jones, Francis
Kaiser, Jos.
Leaf, Al.
MacGruber & Co.
Mellon, Thos.
Modica, S.
Mowat Donald
Philbin, J. J.
Sexton, T. D.
Terranova Bros.
Wagner, James A.
- Plumbing and Gas Fitting.**
Band, S. W.
Bernard, Geo. F.
Dunn, Neil H.
Goss, Wm. P.
Grundy, Ed.
Houston, J. J.
Kara, F. E.
Kiernan & O'Brien
Lacey, E. V.
Lauder, H. I.
Lawson, Herman
Lettich, Antone
Lettich, J. M.
Looney Co., J.
May, Gus
McLeod, J. J.
Penkerton, J. H.
Skelly, Thomas
Snook & Co., Fred W.
Turner Co., The
Wetzel, Theo.
Wilson & Co., W.
- Plumbers Supplies.**
Kinney Co., R. W.
Mark-Lally Co.
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Nelson Mfg. Co.
Pac Sanitary Mfg. Co.
Paragon Brass Mfg. Co.
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American Radiator Co.
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- Rigging.**
Lamburth, C. E.
- Roofing, Gravel & Composition.)**
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Enterprise Roofing Co.
Flaherty, R. H.
Keene Co., R. E. G.
Lawson Roofing Co.
Lewis, W. S.
Malott & Peterson
Rapheld Roofing Co.
Samuel Co., H. D.
Watsonite Co.
Western Asbestos
Magnesia Co.
Western Felt and Refining Co.
- Roofing (Slate & Tile.)**
Graham, R. G.
Klatt, R. J.
Whita, Ed. A.
Fibrestone & Roofing Co.
- Roofing Materials.**
Johns - Manville Co., H. W.
Paraffine Paint Co.
Waterhouse & Price
Western Asbestos
Magnesia Co.
Western Builders' Supply Co.
Whittier - Coburn Co.
- Sand, Gravel, Etc.**
Bay Develop. Co.
Cal. Building Material Co.
McMullin Bros.
Stone Co., E. B. & A. L.
Western Development Syndicate.
- Sanitary Garbage Chutes.**
Bill & Jacobsen
- Sand Blasting.**
McDermott, W.
- Sheet Metal Wks.**
Amaler Sheet Metal Works
Appman Cornice Works
Atlas Heating & Ventilating Wks
Capitol Sheet Metal Works
Comyns & Nygren
Cronan, Wm.
Crown Cornice Works
Forderer Cornice Works
G. & M. Sheet Metal Works
Gulfooy Cornice
Hibernia Sheet Metal Works
Hughes, H. J.
Ideal Cornice Wks
Korrell & Co., J. A.
Modern Sheet Metal Works
Morrison & Co.
Moncreiff Sheet Metal Works
S. F. Metal Stamping & Corr. Co.
U. S. Metal Products Co.
Western Furnace & Cornice Co.
Stair Builders.
Bishop & Perrino
Boller, John
Jacobsen, J.
Porter, W. F.
Stewart, J. K.
- Stationery.**
Foster & Short
Wright, J. H.
- Steel Bars.**
Baker & Hamilton
Dawson & Noyes
Woods & Huddart.
- Pacific Coast Steel Co.**
Soule Co.
- Steel Erector.**
Schauer, Fred C.
Pioneer Con. Co.
Williams Construction Co.
- Store Fronts.**
Kawner Mfg. Co.
U. S. Metal Products Co.
- Structural Steel Contractors.**
Central Iron Wks
Dyer Bros.
Judson Mfg. Co.
Pacific Structural Iron Works
Pac. Rolling Mills
Schraeder's Iron Works.
S. F. Iron Works
Western Iron Supply Co.
- Stoves.**
Mangrum & Otter
Steiger & Kerr

Structural Steel Contractors.

Brode Iron Wks.
Dyer Bros.
Golden Gate Iron Works
San Francisco Iron Works
Ralston Iron Wks
Vulcan Iron Wks.

Surveyors.

Morser, E. J.
Quimby, L. S.
Wetherell, Chas E

Teaming & Grading.

Branick, J. P.
Blanchini, G.

Federal Transfer & Draying Co.

Carlin Bros.
Devencenzi & Co., L.
Dillon Teaming Co.

Federal Transfer & Draying Co.

Harbor View Contract Co.
Huie Co., E. M.

Lennon Co., J. E.
Leffler, Fred
McGlinchey & Monahan

Montague Co., P.
O'Day Co., D.
Powers, Chas. J.

Sibley Teaming & Grading Co.

Star Contracting Co.
Wright Co., J. H.

Tilling.

Cal. Tile Contr. Co.
Ginsberg & Co., S.
Mangrum & Otter
Peerless Agency Co.

Vacuum Cleaners.

Bill & Jacobson
Hughson & Mer-ton Co.

Schaer Bros.
Stevens Co., Frank A.

Hyde Henry C. United Elec. Co.

Wall Beds.
Marshall - Stearns Co.

Water Company.

Spring Valley Water Works.
Whitewashing
Brickley, P. J.
Reigle & Jamelson
Taylor, L. A.

Waterproofing

Coyle, Jos. A.
Window Cleaning.
American Window Cleaning Co.

Windows. Patent.
Simplex Window Co.

Central Electric Co.

City Electric Co.
De Lew, M. A.
Decker Electric Co
Globe Elec. Co.
Levy Elec. Co.

Elevators.

Otis Elevator Co.
Van Emon Elevator Co.

Fibre.

S. F. Fibre & Cordage Co.
Fireproof Doors.
Norris, L. A.

U. S. Metal Products Co.

Floor Sanding

Hardwood Interior Co.
Inlaid Floor Co.
Pacific Floor Sanding Co.

Grill Work.

Cal. Art Metal & Wire Works.
Merle Co., A.
Sartorius Co.
Withington, C. W.

Gen. Contractors.

Andrus, R. C.
Brigham, H. B.
Brockhage, Foley & Green

Caldwell & Co.
Cereghino & Son, Louis

Currie & Currie
Dempiak Bros.
Farquharson, D. B.

Fluth, J.
Frasier & Frasier

Graham, D. E.
Griffith, Wm.
Hannah, J. D.

Hannah & Co. J.S.
Hayes, W. W.
Jackson, A.

Kuykendall, J. O.
Mallory, Edward.
Mathies, Henry

Mulcahy, James
Peacock, John
Schnebly, Host-

trawser & Ped-grift

Glass and Glazing

Cal. Plate & Window Glass Co.
Cohen, I.
Cobblick-Kibby Glass Co.

Friedman Bros.
Fuller & Goepf
Fuller, W. P. & Co.

Habenicht & Howlett

Holland, J. P.
Schwarz & Gottlieb (Inc.)

Grading & Teaming.

Dillon, D.
Eureka Teaming Co.
Fay, S. J.

McClure, H. N.
Wilhelm, A. H.
Wilkie Co., A.

Williams, F. A.
Wright, Chas.
Monarch Teaming Co.

Sibley, L. B.
McLennan, S. B.

Granite.

Bradbury, Thos.
Cal. Granite Co.
De Lano & Sons, I. L.

Hunt, A. T.
Raymond Granite Co.

Hardware.

Baker & Hamilton
Joost Bros.
Kruze, J. H.

Lorenz, Schffauer & Co.
Meyer, A.
Palace Hdw. Co.

Heat and Light.
Pacific Gas and Electric Co.

Heating & Ventilating.

Burnham Plumbing & Heating, Inc.

Cronan, Wm.

Mangrum & Otter
Montague, W. W. & Co.

House Moving & Raising.

Blume Cont'g Co.
Pearson, E. K.
Sullivan, D. J. & T.

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Hardwood Interior Co.
Inlaid Floor Co.
Pacific Floor Sanding Co.

Iron Works.

Lorenz, Schffauer & Co.
Michaelis & Pfeiffer

Monarch Iron Works.
Pacific Rolling Mill Co.

Pacific Struct. Iron Works.
Jolat Hangers & Post Caps.

Kortick - Falls Mfg. Co.
Lilley & Thurston Co.

Lorenz Schaffer & Co.

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Kawneer System Store Fronts.

Falls Mfg. Co.
Lilley & Thurston Co.

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Pac. Gas & Electric Co.

Lime, Cement, Etc.

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Arden Plaster Co.

Cowell Lime & Cement Co.
Holland, J. P.

Holmes Lime & Cement Co.
Lennon, Jas. E.

Nephi Plaster Co.
Pacific Bldg. Material Co.

Pac Lime & Plaster Co.
S. F. Lime Co.

Shasta Lime Products Co.
Western Building Material Co.

Western Lime & Cement Co.

Lumber.

Acme Lumber Co.
Christenson Lumber Co.

Hardy, Jas. H., Inc.
Hart-Wood Lumber Co.

Humboldt Lumber Co.
Hauptman Lumber Co.

Hooper Lumber Co.
Kruze, J. H.

Loop Lumber Co.
Macdonald Lumber Co.

Moore, R. B. Mill & Lumber Co.
National Mill & Lumber Co.

Olsen Mahoney Lumber Co.
Pope & Talbot.

Santa Fe Lumber Co.
Schouten Lumber Co.

Tiernan & Bernio
Van Arsdale-Harris Lumber Co.

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Machinery.
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OF SAN FRANCISCO

180-188 JESSIE STREET

PHONE KEARNY 4700

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Vice-President, E. J. Brandon.
Treasurer, C. W. Withington.
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Financial Secretary, S. A. D. Schenck.
Asst Secretary, W. J. Carberry.
Doorkeeper, B. R. Wolcott.

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Central Iron Wks.
Dyer Bros.
Eureka Iron Wks
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G. G. Structural Iron Works.
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Mortenson Cons. Co.
Michaels & Pfeiffer
Phoenix Iron Wks
Ralston Iron Wks
Lorenz Schaffer & Co.
Schneider Iron Works.
St. Francis Orn. Iron Works
Teigler & Kerr
Stove & Foundry Co.
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Western Iron Wks
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Ingerson & Glaser Co.

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Perley, A. E.
Smith, Leo J.
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United States Fidelity and Guaranty Co.

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Carey, J. E.
Carnegie Brick & Pottery Co.
Carquinez Brick & Pottery Co.
McNear Brick Co., E. B.
Peterson - Karts-choke Brick Co.
Remillard Bk. Co
Sacramento Trans. Co.
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Thermos Brick Co

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Howard Co.
J. E. Lennon.
Johns-Manville Co
Pacific Bldg. Material Co.
Pacific Refining & Roofing Co.
Parrott & Co.
Paraffine Paint Co
Pratt Building & Material Co.
United Material Co
Waterhouse & Price Co.
Western Bldrs' Supply Co.

Cement Dealers

Balfour, Guthrie Co.
Cowell Lime & Cement Co.
Holmes Lime & Cement Co.
Holland, J. P.
Maynard, Jr., J. L.
Meyer, R.
Pacific Portland Cement Co.
Western Building Materials Co.
Standard Portland Cement Co.

Clay Products.

Cal Brick Co.
Stanquist, Edward

Concrete.

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Duncanson, Harrelson Co.
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Goodman Artificial Stone Co.
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Lynch, A.
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Peterson, H. L.
Sartorio, Charles
Stanquist, Victor
Zimmerman, L. M.

Concrete Reinforcement.

Pacific Building Material Co.

Contractors & Builders.

Allen, Alex. M.
Anderson, W. W.
Arthur, L.
Boring, F. H.
Born & Son, S. A.
Brady, C. A.
Braunton Bros.
Buller, Thos.
Burdick, Wm. A.
Caldwell & Co.
Cameron & Diss-ton.
Cavanaugh, Thos. A.
Chisholm, R. A.
Cobby, J. W.
Coburn, I. W., Inc.
Concannon, W. N.
Conrad, H.
Creghino & Son, Lewis
Davis & Son, T. F.
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Elam, Thos. & Son
Elliot, E. W.
Fahy, R.
Fischer, Fred.
Franz, Val.
Gillespie, G. G.
Gallagher, Frank.
Gardiser, Florent.
Greig, Robt.
Hansbrough Bros.
Healey - Tibbits Con Co.
Hinson, L. A.
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Howkins, A. A.
Ingerson, C. A.
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Jones, Paul
Jones, W. G.
Kent, S. H.
Knowles & Reichley.
Leiter, E. T. & Sons.
Lynch, M. C

Masow & Morrison
Mathews Con. Co.
Mathies, H. C.
McBain, J.
McKillican, R and Wm.
Miller, Adam.
Moller, R. W.
Morey, H. B. & Son
Owsley, B. T.
Penny, Isaac.
McLeran & Peterson.

Robinson & Gillespie.
Simmen, John.
Smith, J. W. & Son
Spence, A. T.
Stockholm & Allyn.
Terrill, G. C.
Vezina, L. N.
Warwick, H. C
White Bros. (carpenters).
Wilhelm, A. H.

Cornice Works.

Amsler, C. S.
Berger Mfg. Co.
Capitol Sheet Mtl. Works.
Comyns & Childers.
Conlin, J.
Cronan, Wm.
Forderer Cornice Works.
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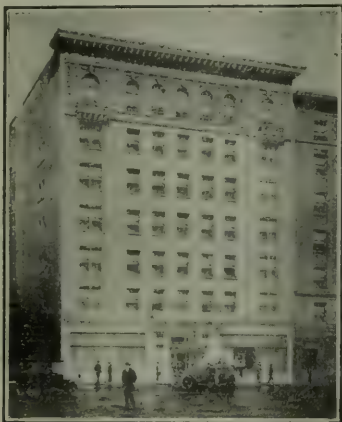
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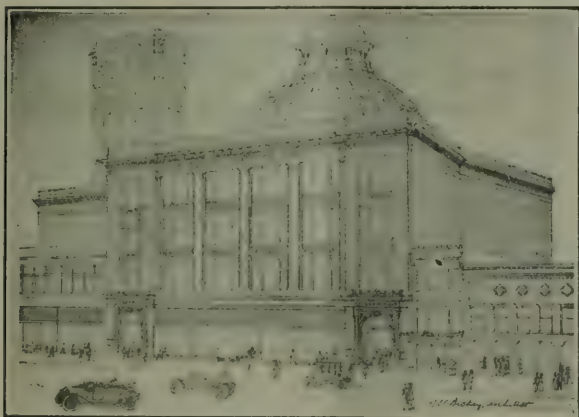
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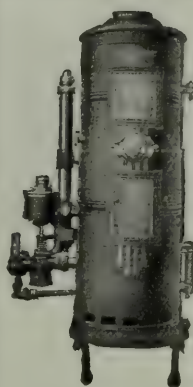
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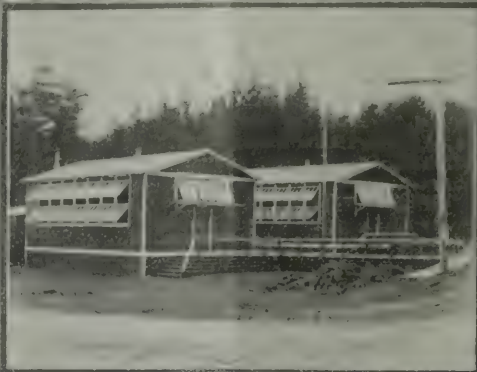
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Building and Engineering News

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Fifteenth Year, No 25

We call our readers' attention to the article on testing machines at the Olsen exhibit in Machinery Hall of the Panama-Pacific International Exposition, and urge upon all the importance of this branch of the Engineering Science and its close relation to success in the practice of the profession.

The exhibit is exceptionally fine and up to date, and as all the machines are machines of precision, so to speak, they are of necessity of a very high class of workmanship.

Material testing is rapidly being introduced and adopted as the only safeguard against faulty and fraudulent construction, and many large corporations, the United States Government included, do not now purchase any materials without having them submitted to recognized standardized tests.

In this connection we like to say a word or two with regard to the practice of most of our smaller municipalities of not having the proper check kept on materials used in street and sewer construction.

The question of materials in road construction is largely a question of adaptability of local materials and should be gone into thoroughly as it often determines the amount of improvement that can successfully be accomplished for the given amount of money that a community thinks it can afford to spend at the time. As it very seldom happens that a small town or its engineer is in possession of the necessary equipment to properly test out the local materials as road oils, asphaltic cements, hydraulic cements, etc., recourse should be had to the commercial laboratories in the big cities for these determinations. With the test and determinations in hand it will be obvious that the proper mixtures can then be specified that will at once obtain the best results and keep the construction expenditures within the limits desired by the community. The cost of these tests is so insignificant that the economies and consequent results obtained more than compensate for it.

◆

Kings County has voted to expend \$672,500 on good roads, thereby placing itself in line with the wideawake counties of the south where at present good roads construction is either in full swing or is being seriously discussed in popular mass meetings and by County Boards of Supervisors. The time seems to us to be very propitious for more counties to take up this question of permanent road improvement as road bonds at a normal rate of interest would be sure to find a ready market. Fresno County is also discussing the road question and we expect this progressive county to soon vote a substantial bond issue for the improvement of its many miles of important roads.

Stanislaus County is also exerting itself once more and taking up the question of 100 or more miles of good roads which was shelved a little over a year ago owing to the conditions of the money market. Stanislaus County Board of Trade has the matter in hand and petitions are being circulated for the necessary ten per cent of freeholders' signatures before placing the matter in the hands of the Supervisors.

Imperial County is also on the map and will take its place in the procession of live ones. The Supervisors are considering the appointment of a Highway Commission at an early date to take up the matter of outlining the system of roads and estimate the cost and the amount of bonds necessary to carry out the improvement.

The above mentioned counties have all had State Highways constructed within their boundaries and most of their cities have improved some streets at one time or another during the last few years, they should therefore be in a position to intelligently judge and choose the class of roads they should build in order to get the most lasting results for the taxpayers' money.

The San Joaquin County Highway Commission chose wisely when in 1909 it chose Real Asphaltic Concrete (not the Topeka Vagary) for some of its most traveled roads out of the City of Stockton, and the fact that this construction has required no repairs since it was built proves the wisdom of the choice.

It would be well for the county officials now confronted with the task of choosing the class of construction to be used in their respective counties to investigate the merits, costs and lasting qualities of this and kindred kinds of construction before deciding to expend public funds entrusted to their care on some kind of construction claimed to be cheap, which in reality is only cheap-looking and anything but economical when it comes to maintaining it.

Of this kind of stubbornness or mistaken judgment we have here in California not a few examples and the taxpayers are beginning to realize that narrow roadways and cheap ones at that are the most expensive ones to keep in good condition. The roads that will be built by the counties will be built for utility, will have to stand a rapidly increasing traffic and the question of permanency is therefore of first importance in choosing the kind of construction to be adopted.

Considerable money is yearly wasted in poor road construction, requiring immediate repairs and constituting a yearly drain on the taxpayers' money, which could be used for a more useful purpose had a real permanent road been built in the first instance.

Lessons From The Exposition.

Collected by
George Nelson, C. E.

ENGINEERS AND MANUFACTURERS ATTRACTED BY TESTING MACHINES.

Tinius Olsen Testing Machine Co. Displays Great Variety of Latest Improved Machines in Palace of Machinery

Never before have engineers and manufacturers and the public at large been given the opportunity of inspecting the wide variety of testing machinery that is now on display at the Olsen Co.'s exhibit in the Palace of Machinery. The exhibit comprises twenty-six of the newest and most improved types of testing machines as well as a complete assortment of the instruments and apparatus used in up to date methods of testing all kinds of structural material.

This exhibit of diversified testing machinery constitutes the largest all-around testing laboratory in America. The machines are not only the newest but most of them have never been exhibited before. Most of the machines embody the autographic recording attachments, which generate curves and records showing the complete characteristics of the material being tested.

The following brief description will serve as an outline to those interested in the testing of material, as to the machines which may be seen in actual operation at the Olsen Exhibit.

The so called Universal Testing Machine, which is probably in more general use than any other type of testing machine, is shown in three sizes. A 150,000 pounds capacity machine of the three screw type, fitted with the latest autographic and automatic recording device, a 50,000 pounds capacity machine of the plain four screw type, and a 10,000 pounds capacity four screw type specially fitted for testing wire with complete automatic and autographic recording device. These machines are designed for making the following tests within their rated capacities: Tension, compression, and transverse tests and with a few additional tools can be used for shearing, punching, bending, and hardness tests, and if desired an attachment can be obtained for making small torsion tests.

Torsion tests, however, are best accomplished upon a special machine, one of which is on display. This machine has a capacity of 230,000-inch pounds, and will take any test specimen up to eight feet in length and is capable of testing to destruction a steel shafting up to 21-2 inches in diameter. This machine is equipped with the autographic device which records the amount of twist and torsional load for each instant of the test. Torsion tests are very desirable for testing finished full sized machine members, such as automobile crank shafts, which must be designed with a minimum of weight and a maximum of strength, thus enabling the engineer to improve the existing design and develop quality and uniformity in the strength and arrangement of the materials used.

The testing of cement, concrete and road materials require special machines of great accuracy, as such material is tested in every conceivable manner. The machines displayed for this class of work are the very latest improved types, and all embody the well known Olsen features of practicability, great accuracy, and durability.

The following machines are on exhibit:

A New Automatic Shot Testing Machine, which accurately and quickly determines the tensile strength of briquettes and can also be used for small compression and transverse tests of cement.

The variation in results obtained in testing cement, generally due to the "personal equation" or error in preparing briquettes, together with the fact that cement is but rarely used in tension, has promoted during the last few years, the use of the compression test for cement and concrete. For this class of work is shown a 200,000 pounds capacity Hydraulic Compression Testing Machine, which is hand operated and very compact and easily transported for use in building operations. This machine handles the standard specimens up to six-inch cubes or cylinders 8 inches in diameter and 16 inches long. Also on display are the various moulds, sieves, and accessories such as Vicat needles and other small apparatus entering into the installation of a complete cement testing laboratory.

The road material testing machines, all of which are made in the very best manner to meet the specifications of the United States Road Materials Testing Laboratory, have the special advantageous features of being compactly mounted on individual pedestals and bases, which makes them very convenient for laboratory arrangement.

Rock to be tested is properly broken and mixed with a specified amount of water and ground to a stiff paste in the Olsen Ball Mill. It is then moulded into briquettes under a specified pressure on the Standard Briquette Former. After the briquettes are properly dried they are tested on the Cementation Impact Tester to determine the comparative cementation quality of the material. Specimens are also drilled out of the solid rock with a Diamond Core Drill, after which they are sawed and ground to proper lengths on the Combined Diamond Saw and Grinding Lap. They are then tested on the Standard Impact Tester, which permits a two-kilogram hammer to fall at increasing heights, up to a maximum of 90 centimeters. The height of drop at which the specimen breaks is a measure of the strength of the material. Stone is also tested in the Standard Abrasion Cylinder (De Val Type) and the percentage of material (by weight) worn off in a specified number of revolutions is a measure of the quality of the rock to withstand abrasive wear. A similar test, as to hardness and resistance to abrasive wear is accomplished on the Standard Hardness Testing Machine in which a small specimen of the solid rock is subjected to abrasive wear by placing it under pressure against a rotating disc upon which sand of standard coarseness is used as the abrasive agent. The hardness quality of the rock is measured by the loss of weight in the specimen in a specified number of revolutions.

Automobile tire fabric is one of the textiles most rigidly tested today, requiring the most accurate type of testing machine. One of these machines with a capacity of 600 pounds is on display, on which special attention has been paid to the gripping device as well as the method of applying and weighing the load. Special grips can be obtained for this type of machine for testing wire, cord, yarn, paper, etc. Along the same line is the New Navy Standard Rubber Testing Machine which deter-

mines the tensile strength, elasticity, and other characteristics which are used to measure the quality of rubber.

Wire may be tested in various ways depending upon how it is to be used. Three of the principal machines for this purpose are on display. Namely a very complete tensile testing machine, with automatic and autographic recording device, which can be operated with great accuracy, the extensometer reading automatically to the ten-thousandth part of an inch. Also a torsion testing machine for wire with a capacity of 500-inch pounds, upon which the torsional strain can be applied while the specimen is under tensile load. The Moore Wire Testing Machine is for testing the toughness of rope wire and for measuring the quality to withstand alternate bending strain while under tensile load.

Oil, Grease, and Bearing Metal testing are exceedingly important, as there is probably greater variation in their quality than any other article used in the industries. For this purpose a Cornell Oil and Bearing Metal Testing Machine is open to inspection. This machine is used to determine by comparative test, the lubricating and wearing qualities of oils and the anti-friction qualities of the numerous babbitts and bearing metals, over a wide variation of working conditions as to speed, pressure, etc. In addition to the friction tests of oils, there are the instruments for the determination of viscosity, flash and chill points, and specific gravity of which the standard approved types are on display.

A machine especially adapted for testing cast iron and general use in foundry practice is displayed in the Autographic Transverse Testing Machine. This machine automatically weighs the load applied through the medium of a pendulum and a lever system and records the relation between the load and the deflection upon a diagram sheet, the specimen being a bar 1x2x24 inches. In this type of machine the complete characteristics of the iron are obtained more quickly and accurately than is possible on an ordinary transverse tester, and in addition there is secured a permanent and indisputable record which can be filed away for future reference.

Among the special testing machines, the Hardness Testing Machine is of great importance. Two types of this machine are on display. One is a machine upon which the pressure is applied to the penetration ball by means of a lever system which is very simple, hand operated, and quickly adjusted to take any specimen up to the size of a large car wheel. The other is the Hydraulic or Brinnell Type, which is more suited for laboratory purposes. In both machines the hardness of the material is gauged by the penetration of a 10 mm. steel ball, into the specimen when subjected to a standard pressure. The readings are transferred to "Brinnell Hardness Numbers" by measuring the width of the markings with a special microscope and referring to a table of hardness numbers.

Another very interesting machine is the Upton-Lewis Toughness Testing Machine which is a repeated stress testing machine of the most advanced type. The specimen which is 1-4 inch thick 1 inch wide and 6 inches in length, is vibrated under a known fibre stress and the number of repetitions necessary to produce rupture are automatically recorded on a revolving drum. The machine is arranged so that the fibre stress can be recorded if applied statically, or in the form of an impact. Results obtained upon this machine, by testing under two or more fibre stresses will, when plotted upon logarithmic cross-section paper, indicate the dynamic qualities or life of the material under any other fibre stress.

The White-Souther Endurance Testing Machine, another special type, was developed to determine the "fatigue quality" of metal. It is well known that steel as well as other metals, sometimes fails when under comparatively light loads, due to fatigue, and commonly

called crystallization. This machine subjects the specimen to alternating stresses until rupture while loaded to a known fibre stress and is essentially adapted to testing axle or crank-shaft steel or other metal in automobile construction.

The fragility or shock resisting qualities of metals are very quickly and accurately determined by the Olsen Impact Testing Machine. The specimen, nicked in a prescribed manner, is clamped in a rigid vice with one end protruding and a hammer allowed to strike the free end a one-hundred foot-pound blow, thus breaking the same off. An arc is graduated so that the actual energy absorbed in breaking the specimen is noted directly by a pointer on the scale.

The "Norris" Slip Abrasion Testing Machine is unique, and is the very best machine ever developed to make comparative measurement of the quality of metals to withstand slip abrasion, such as takes place in rails, car wheels, brakes, clutches, etc. A specimen, 1 inch in diameter, of the material is accurately weighed and placed under pressure in the machine upon two high grade manganese steel rollers, which rotate at different surface speeds, thus producing abrasion by the slip action between the specimen and the rollers. The loss of weight during a specified length of run gives a comparative measure of the abrasion resisting qualities of the metal.

The advancement in the art of making high speed cutting steel and the ever increasing use of special cutting tools of such steel, have necessitated the development of special efficiency testing machines for determining their cutting quality. It has been determined that various tool steels should be operated at definite speeds for maximum efficiency, depending upon their treatment and the material they are to cut. It is essential, therefore, that this speed be determined by test and the machines either operated at a speed calculated to obtain the greatest efficiency from a given tool, or a tool steel obtained which will give the greatest cutting efficiency at a given speed.

Three machines for this class of testing are displayed. First, the Herbert File Testing and Indicating Machine, which tests a file and graphically demonstrates its cutting quality in such a manner that it leaves no doubt as to the value of the file tested. The great value of this test is not merely in determining the cutting value of the file, but by decreasing by as much as several hundred per cent the time required for a certain operation by using a file of quality.

The Herbert Tool Steel Testing Machine is a very ingenious piece of machinery in which the tool steel to be tested may be placed under any pressure, and the test material rotated at any desired speed up to 200 feet per minute. The tool steel is permitted to cut the standard test material under varying conditions and always to a definite predetermined degree of bluntness. The amount of material so cut, if plotted against the corresponding cutting speeds will form what is termed the "speed curve" for that tool steel. Hardness by drill test can also be determined upon this machine.

The Olsen Universal Efficiency Testing Machine is the most complete tool testing machine ever devised. Primarily this machine was designed for testing drills, taps, dies, etc., but attachments can now be obtained for testing almost any form of cutting tool used in machining metal, such as files and hack saws by the spot method, milling cutters by determining the cutting qualities of a single tooth, and lathe, planer, and sharper tools. In testing these tools in this way, they are not in any way injured, and it may be considered as a proof test of the quality of such tools. Tests can be run with spindle speeds varying from 60 R. P. M. to 1,000 R. P. M., with positive or gravity feed, and under these various conditions, autographic records may be obtained, showing the relation in various magnitudes between torque and penetration, torque and revolutions, or penetration and revolutions. Also the thrust pressure is automatically indicated and may be noted continually during the test.

Another machine of very popular interest, is the Static and Vibratory Automobile and Wagon Spring Testing Machine. In this machine both the uniformity and "life" tests of a spring can be made. The uniformity test consists in mounting the spring in the machine and alternately loading and unloading the spring up to any desired capacity, the amount of deflection being automatically indicated, and noting any falling off in the strength of the spring as the test progresses. The "life" test consists in vibrating the spring under service conditions to destruction.

California Productions.

By George Nelson, C. E.

(Continued From June 16.)

In last week's issue the Production in California of Cement, Brick, Lime, Stone and Brick Stone were described in full.

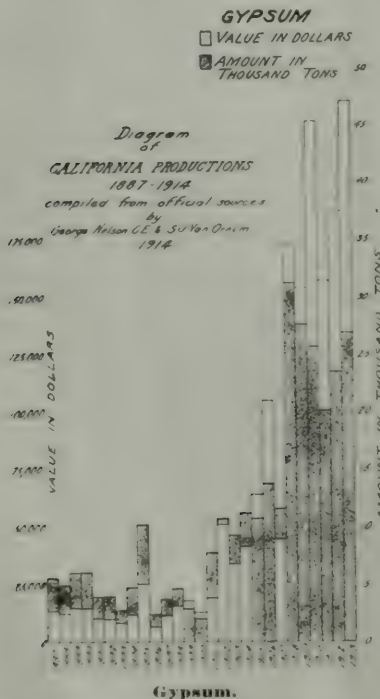
This issue contains a description of Gypsum, Clay Products, Copper, Quicksilver, Lead, Magnesite and Manganese.

Next week's issue will contain data covering, Chrome, Bituminous Rock, Asphalt, Gold, Silver, Platinum and Petroleum.

The scale is of necessity not the same on all the diagrams.

The value in dollars or the amount of production has been made shaded or light according to the demand of the exigencies of the work arising during the construction of the diagrams, and it will make no difference in the reading of them.

The diagrams, with a few exceptions, consist of two sets of columns, one white and one shaded, the smallest is always supposed to be standing in front of the tallest without regard to color, and both are to be read from the bottom line up. The figures placed on the sides also indicate this way of reading the diagrams and are added as a supplementary guide.



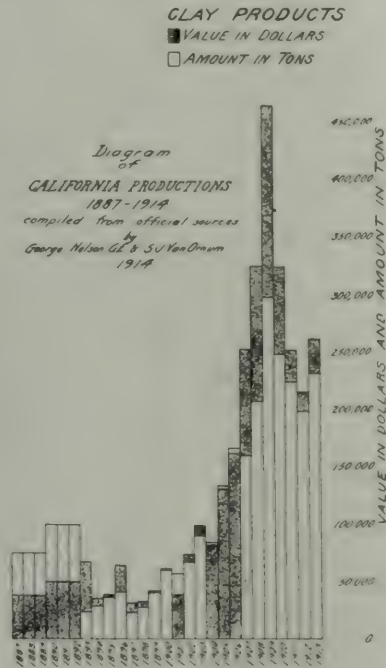
Gypsum.

This diagram shows some rather remarkable somersaults, both in tonnage and value. In 1895, with about 10,000 tons, it was worth only about \$25,000, whereas in 1902 11,000 tons were worth some \$59,000, with some very small productions in the intervening years. Then in 1906 some 14,000 tons were worth some \$105,000, and in 1907 about 12,000 tons were worth only \$45,000. Quite a somersault. Then in 1908 it jumps about again and 31,000 tons are worth almost \$175,000, and in 1910

some 26,000 tons were worth \$226,000. The value, however, has in the last few years kept well above \$5 a ton.

Gypsum occurs most commonly as rock gypsum, although it is found crystalline as selenite.

Gypsum is used in the form of plaster of paris. It replaces quick lime in wall plaster. It is used as fertilizer, retarding ingredient in Portland cement, in glass, dyeing, and in reclaiming black alkali lands.



Clay Products.

This diagram includes all clays used in the manufacture of red and brown earthenware, flower pots, tiling of all kinds, building terra cotta, sewer pipe, etc., and figures for value and amount relate to the crude material at the pit.

The diagram shows that the fat and the lean years in this industry are rather mixed, and that nobody knows what next year will bring in the shape of either output or price.

All varieties of clay are found here, such as china clay or kaolin earth, ball clay, pottery clay, earthenware clay and fire clay.

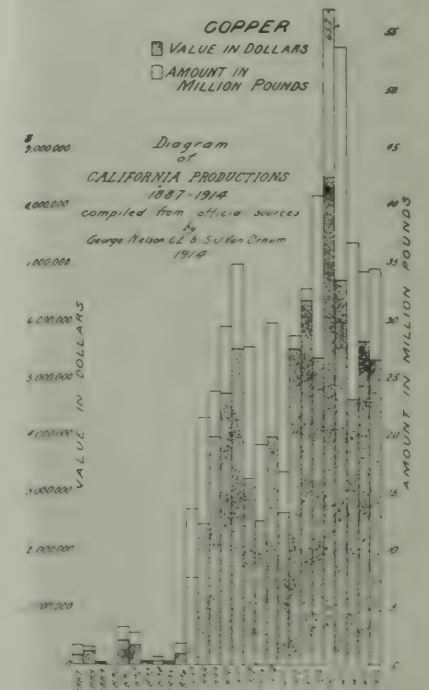
Copper.

Copper production is one of the oldest industries in the State, but it was never very remunerative nor very extensive, until the deposits at Iron Mountain in Shasta County were discovered in 1896 and the further discovery of the Bully Hill deposits in 1901, and the production has, with the exception of the years 1903 and 1905, kept well above 25 million pounds a year. It has fallen somewhat below normal in the last three years owing to litigation and enforced idleness of some of the largest smelters whose fumes were supposed to have damaged

the surrounding agricultural products.

Shasta County leads in the production of copper with Calaveras second and San Bernardino third.

California takes a leading position in the world's copper production, being the sixth producing State and the tenth among the world's producing countries.



The California Copper Industry has been the main cause of a significant development of water power, electrical plants, gold mining, lumbering, manufacturing and other industrial enterprises, and also the building of branch railroads and new towns.

Quicksilver.

Quicksilver is measured by the flask, each flask containing 75 pounds.

The production of Quicksilver has always been an important industry in California, and up to 1905 kept well above 25,000 flasks a year, since then, however, it has fallen off somewhat, ranging from 15,000 to 20,000 flasks a year.

California produces in round numbers about 80 per cent of the total Quicksilver production of the United States.

The domestic market for Quicksilver demands from 20,000 to 25,000 flasks a year.

The foreign market is not profitable to American producers in competition with large European supplies available at lower prices. It would seem, therefore, that unless rich ore, workable under favorable conditions at large profit be available or industrial chemistry find new uses for the metal, the present producers must continue to work under somewhat unfavorable conditions.

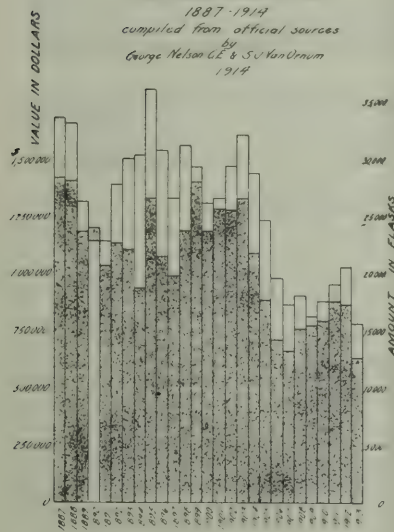
QUICKSILVER

□ VALUE IN DOLLARS
■ AMOUNT IN FLASKS

Diagram of

CALIFORNIA PRODUCTIONS

1887-1914
compiled from official sources
by
George Nelson & S. Van Ornum
1914



Quicksilver is used in the manufacture of fulminate, of drugs, of electric lighting and scientific apparatus, and in the recovery of precious metals.

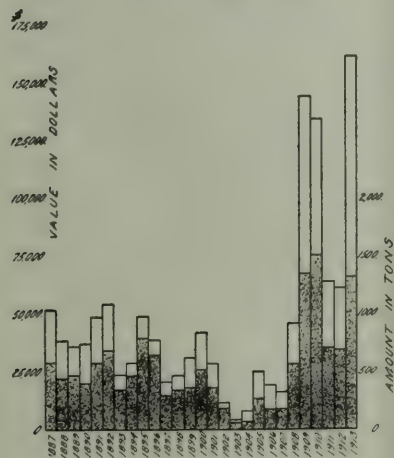
It would seem that the field of usefulness could be very profitably extended for this metal and experimental

LEAD

□ VALUE IN DOLLARS
■ AMOUNT IN TONS

Diagram of CALIFORNIA PRODUCTIONS

1887-1914
compiled from official sources
by
George Nelson & S. Van Ornum
1914



research should be encouraged both by the parties directly interested and also by the State Universities.

Lead.

Lead smelting never was an important industry in this State, the highest tonnage ever produced being 1,500 tons in 1910.

Lead is used in considerable quantities for the following purposes:

1. White lead and oxides.
2. Pipe.
3. Sheets.
4. Shot.

5. Other purposes.

The price of lead has for many years been swinging between 4 and 5½ cents a pound.

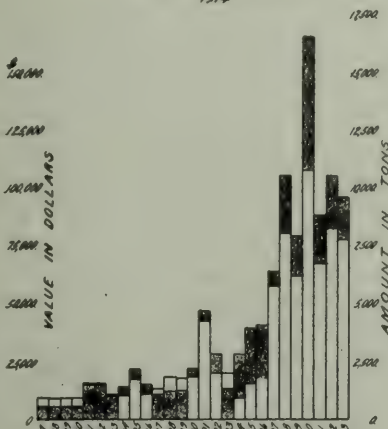
With the extension of roads and railroads Lead will no doubt be found both in large and high grade quantities, and it will pay to direct the attention of prospectors to the location of these ores.

MAGNESITE

□ VALUE IN DOLLARS
■ AMOUNT IN TONS

Diagram of CALIFORNIA PRODUCTIONS

1887-1914
compiled from official sources
by
George Nelson & S. Van Ornum
1914



Magnesite.

California is the only State having Magnesite deposits of commercial importance, and these deposits are pretty well distributed throughout the State, but it has only been in recent years that the production has assumed any real large proportions.

Magnesite has to be calcined and ground before it is put on the market. Some plants are arranged as to use the carbon dioxide, which constitutes about 50 per cent of the material, and which is driven off by the calcination process.

Until recently Magnesite from California could not compete with the European product, owing to high freight rates and the high cost of mining the California material as compared with the cost of mining in Europe.

The day no doubt is at hand when California Magnesite will be mined and manufactured here in California, and only the finished products into which it goes will be exported.

Magnesite is used when calcined for:

Manganese.

The production of Manganese has never in California amounted to an industry.

The diagram shows a most erratic fluctuation of the output—one year 1500 tons, the next year almost nothing.

Manganese has been found in commercial paying quantities in many places, both in the Coast range and in the Sierra Nevadas.

Recent developments in the northern part of the State where the electric furnace is being used in the making of steel, promises a local market for

high-grade ore suitable for making ferromanganese.

The uses of Manganese are so many and varied that a considerable industry could be established here in California with the use of some brains, both financial and technical.

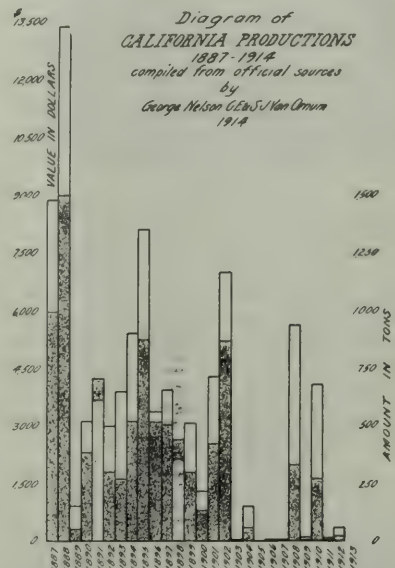
Manganese is used in many alloys

MANGANESE

□ VALUE IN DOLLARS
■ AMOUNT IN TONS

Diagram of CALIFORNIA PRODUCTIONS

1887-1914
compiled from official sources
by
George Nelson & S. Van Ornum
1914



besides ferromanganese, such as Manganese-bronze, Manganese-brass, Manganese German-silver and many others.

It is also used extensively in the chemical industries, in glass-making, paints, dry-cells, calico printing, disinfectants, etc.

BURMA'S TRADE IN PIPES AND FITTINGS.

[Consul Maxwell K. Moorhead, Rangoon, March 12.]

Gas is used nowhere in Burma either for lighting or for industrial purposes. There are, therefore, no gas fittings imported. Tube fittings are not separately listed in the customs returns, and those dealers consulted were unable to give even an estimate of quantities imported.

The value of pipes and fittings imported from the United States in 1914 amounted to \$888,820, and exceeded that of 1913 by \$369,380. This large gain was due to increased operations in the oil fields of Upper Burma, where mostly American pipe is used. The oil companies purchase their pipes and fittings direct from the manufacturers in the United States. A list of oil companies in Burma is forwarded [and may be obtained from the Bureau of Foreign and Domestic Commerce or its branch offices; San Francisco office New Customhouse.]

CITY ENGINEER APPOINTED.

NAPA, CAL.—At the last meeting of the City Council J. E. Gardner was appointed by the Council to act as City Engineer and Superintendent of Streets.

ADVANCE NEWS

Classified according to Character of Work



Devoted to the Architectural, Engineering, Building and Industrial Activities of the Pacific Coast.

Circulates among the leading Architects, Engineers, Surveyors, Contractors and Municipal Authorities on the Pacific Coast.

Entered as second-class matter at San Francisco Post Office under act of Congress of March 3, 1879.

ISSUED EVERY WEDNESDAY

L. A. LARSEN,
Publisher and Proprietor.
SAN FRANCISCO OFFICE
560 Mission Street.

Telephone—Douglas 2372.

George Nelson, C. E., Editor Engineering Department.

W. D. Manville, News Editor.

Advertising Rates on application. If enquirers will send copy of matter and state space required, close figures will be given.

Subscription Rates—One Year, \$3.00; Two Years, \$5.00; Five Years, \$10.00, payable strictly in advance. Single copies, 15c.

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Illustrated Section This Week Shows Ten Plates of the Accepted Drawings of Architect Hermann Barth For New Southeast Wing of San Francisco Hospital.

The ten plates shown in the illustrated section of this week's issue show the most important drawings of Architect Hermann Barth, selected in competition with thirteen other architects for the new southeast wing of the San Francisco Hospital.

In awarding Mr. Barth this important work the jury, which consisted of Architects Julia Morgan and Charles S. Kaiser and Dr. Brodrick, decided that plans submitted by him were the most logical besides more closely conforming to the scheme of the portions of the institution already erected. Briefly Mr. Barth's design calls for three buildings, two four-story structures and a two-story building, all connected by means of corridors and also connected with the main group by an arcade. One of the four-story portions will be devoted to incipient ward for males and the other for advanced males. The two-story portion will be divided for incipient and advanced females. Service departments will occupy the corridors connecting both the male incipient and advance wards and

that portion of the group devoted to the female cases.

Construction will be of the Class "A" type with a complete steel frame and exterior walls faced with pressed brick. The exterior design will harmonize with the other portions of the group now erected. About \$400,000 is available for the construction of the new southeast wing.

Other architects entering the competition for this work were: John Baur, William C. Hayes, August G. Headman, Lewis P. Hobart, George William Kelham, J. E. Krafft & Sons, E. R. Meybeck, Louis Christian Mullgardt, Henry H. Meyers, William A. Newman, Perseo Righetti, Ward & Blohme and Charles Peter Weeks.

The competition was held under conditions approved by the San Francisco Sub-Committee on Competitions of the American Institute of Architects and was directed by the Board of Consulting Architects, John Galen Howard, John Reed, Jr., and Frederick H. Meyer. No second mention was made and it is the first important competition called in which the drawings were rendered in pencil.

BONDS

ANDERSON (Shasta Co.)—By a vote of 503 to 94, the Anderson-Cottonwood Irrigation District declared in favor of bonding the district for \$480,000 to raise money for constructing the system.

The district includes 32,000 acres of irrigable land extending from near Redding southward on both sides of the Sacramento through Anderson and Cottonwood over into Tehama County.

The bonds are to run forty years. Payment of the principal will not begin until after twenty years. The rate of interest has not been fixed.

STOCKTON, SAN JOAQUIN CO., CAL.—By a vote of six to one this city authorized a bond issue of \$200,000 for storm water sewers and \$350,000 for sanitary sewers. The recent annexation of suburban districts necessitated the improvements. The total bond issue amounts to \$550,000. Plans for the improvements have already been prepared and on the selling of bonds bids for the work will be called for.

FORTUNA, HUMBOLDT CO., CAL.—At a recent meeting the proposition of issuing bonds of \$25,000 met with favor by those present. Architect Burke of Eureka outlined several plans for the proposed structure and these were considered. No definite action was

taken, although it is said a date for the election will be set in a few weeks. Geo. R. Lane is Clerk of the School Trustees.

HOLTVILLE, IMPERIAL CO., CAL.—The proposition to vote bonds of \$20,000 for park and street improvements is under consideration by the City Trustees.

AUBURN, PLACER CO., CAL.—The Roseville Grammar School bonds of \$10,000 have been sold by the Supervisors to the William R. Staats Company. The proceeds of the sale will be used in the enlargement of the present grammar school.

KINGSBURG, FRESNO CO., CAL.—The \$40,000 bond issue of the Kingsburg Joint District have been sold to the Industrial Accident Commission of the State.

REDWOOD CITY, SAN MATEO CO., CAL.—A special election will be held on June 29th to vote bonds of \$7,500 for the purchase of an automobile chemical apparatus.

A petition signed by 250 property owners, asking the formation of the Terra Bella Irrigation District, has been presented to the Supervisors. The Terra Bella project involves the impounding of flood waters of Deer Creek and the irrigation of lands along the foothills on the south side of the creek.

To spend \$12,000 for paving Main street and the route of the State Highway through the city by a vote of 253 to 31.

To spend \$6,000 for the purchase of an automobile fire truck, by vote of 227 to 61.

The proposal to issue bonds in the sum of \$18,000 for graveling the streets in the residence districts was defeated, the vote being 164 to 104.

FLORIN, SACRAMENTO CO., CAL.—An election will be held on July 8th to vote bonds of \$10,000 for the erection of a school and the purchase of additional lands.

SAN RAFAEL, MARIN CO., CAL.—The calling of a bond election to vote bonds of \$25,000 for the erection of a modern grammar school building is now being considered by the San Rafael Board of Education. The building as planned will be a one-story structure, class A, of the Mission style.

TOWNS OF CROCKETT, VALONA AND CROLONA, CONTRA COSTA CO., CAL.—An election will be held July 2nd to vote on the formation of a lighting district in the Towns of Crockett, Valona and Croloona. Further information may be had from J. H. Wells, Clerk of the County Supervisors.

SAN BERNARDINO, SAN BERNARDINO CO., CAL.—The city Attorney has been instructed to prepare an ordinance calling a special election to vote bonds for the erection of a new city hall. The bond issue will probably be for \$175,000, about \$40,000 to be expended for a site and the remainder for building and equipment.

REDONDO, LOS ANGELES CO., CAL.—The Board of School Trustees has purchased a site for the new grammar school building to be erected in the southern part of the city. L. B. Pemberton 900 Auditorium Building, Los Angeles, will prepare the plans.

EL CENTRO, IMPERIAL CO., CAL.—The \$125,000 bond issue of the El Centro High School District has been sold by the Board of Supervisors at a premium of \$5,275. Architect, Fred T. Harris is preparing the plans for the new buildings to be erected.

VICTORVILLE, SAN BERNARDINO CO., CAL.—Bonds in the sum of \$25,000 for the erection of a new high school building have been voted.

MARTINEZ, CONTRA COSTA CO., CAL.—Mayor McClellan is in favor of a bond election to provide funds for the reservoir and distributing system, on the grounds that the present cost of water are as high as the cost of a municipal system.

ORLAND, GLENN CO., CAL.—The County Supervisors have arranged to purchase \$50,000 of State Highway bonds in addition to the amount already purchased.

PASO ROBLES, SAN LUIS OBISPO CO., CAL.—The Paso Robles school trustees have started a petition for the purpose of bonding the district, the proceeds to be used in the construction of a new school building and the purchase of additional sites.

AUBURN, PLACER CO., CAL.—The City Trustees will call an election to vote bonds of \$22,000 for the purchase of fire apparatus.

BEAUMONT, RIVERSIDE CO., CAL.—The School Trustees have called an election to vote bonds of \$20,000 for the construction of a school building.

FRESNO, FRESNO CO., CAL.—Fresno County will vote on a \$3,000,000 bond issue for good roads in that county on October 26th, that date being set for a special State election. The petitions with the required number of signatures has been presented to the Supervisors by the Chamber of Commerce.

BATES SCHOOL DISTRICT, SACRAMENTO CO., CAL.—The Bates Union High School District bonds have been sold to the Blythe-Witter Company of San Francisco. The issue was for \$38,000, and will cover the cost of the proposed school to be erected.

PORTLAND, ORE.—Word has been received by Commissioner Daly from Storey, Thorndyke, Palmer & Dodge, bond attorneys of Boston, that the \$200,000 bond election held in this city two years ago for the construction of a new garbage incinerator are legal and may be advertised for sale.

CHALIS, IDAHO.—At a recent election bonds of \$35,000 were voted for the construction of five new bridges over the Salmon River.

FLORENCE, ORE.—Bonds of \$10,000 for a water works system and \$35,000 of street intersection bonds have been voted in this city, and bids for the work will be called for on the purchase of the bonds.

BUTTE, MONT.—The County Commissioners have formally called an election to be held on July 27th to vote on the issuance of \$100,000 bonds for the erection of a court house building. Of this amount \$85,000 will be used for the installation of steel cages and other up-to-date equipment. Further information may be had from the County Clerk.

HILLSBOROUGH, SAN MATEO CO., CAL.—At a recent meeting of the Hillsborough School District it was decided that July 17th be set as the date for the voting of \$30,000 school bonds.

An election will also be held on July 19th for the voting of bonds of \$40,000 for additional road improvements. The improvements will be made on the roads in No-Man's land, which have never been improved, and El Cerrito road, leading a winding route from near the polo club to the Crystal Springs road, and others.

BRIDGES AND DAMS

MODESTO, STANISLAUS CO., CAL.—Flume, reinforced concrete. Cost not stated. Engineer, Herrmann, Modesto. Owners, Modesto Irrigation District. Plans have been completed and are now out for figures for the construction of a permanent flume to carry the waters of the main irrigation ditch of the Modesto Irrigation District under Gasburg Creek. Construction will be of concrete. Bids will be opened on July 3rd. Plans and specifications can be had by addressing the President of the Modesto Irrigation District at Modesto.

SAN JOSE, SANTA CLARA CO., CAL.—Bridges, 2, reinforced concrete. Cost not stated. Engineer, County Surveyor, San Jose. Owners, Santa Clara County. At the last meeting of the Supervisors the County Surveyor was instructed to prepare plans and specifications for reinforced concrete bridges on the Homestead road over Calaveras and San Tomas Creeks and

bids will be received until June 28th at 11 a. m. Plans and specifications were also adopted and bids ordered received at the same time for a reinforced concrete bridge on Fremont avenue over Permanente Creek in the County of Santa Clara. Plans and specifications for this work may be had from the County Surveyor at San Jose.

SAN JOSE, SANTA CLARA CO., CAL.—Bridge, reinforced concrete. Cost not stated. Engineer, County Surveyor, San Jose. Owners, Santa Clara County. Plans have been completed and have received the approval of the Board of Supervisors for a reinforced concrete bridge to be erected on the Homestead road over Campbell Creek. Bids for the construction are now being taken. Bids will be opened on July 6th. Plans and specifications can be secured from the office of the County Clerk.

KENNETT, SHASTA CO., CAL.—Bridge, steel and concrete, \$20,000. Engineer, County Surveyor, Redding. Owners, Shasta County. A bridge across the Sacramento River at the ferry crossing at the town of Kennett is in prospect. The Supervisors at their present session requested the County Surveyor to prepare plans and specifications to be submitted at the next regular meeting of the Board. At present the county maintains a free ferry at Kennett.

WOODLAND, YOLO CO., CAL.—Bridge construction. Cost not stated. Engineer, County Surveyor, Woodland. Owners, Yolo County. The County Supervisors of Yolo County have adopted the following resolution:

"Whereas, It is deemed to be the best interest of this county to rescind the joint contract entered into between Yolo County and the Clinton Fireproofing Company for the erection of a bridge over Putah Creek, and dated the 7th day of December, 1914, it is ordered and

Resolved, That said contract be rescinded, revoked and canceled."

The work will probably be readvertised.

EUREKA, HUMBOLDT CO., CAL.—Bridge construction, concrete and steel. Cost not stated. Engineer, County Surveyor, Eureka. Owners, Humboldt County. The Supervisors at their next meeting will call for bids for the construction of a new bridge at Ballou ford on Salt River to replace the one built there last year at a cost of more than \$10,000, and which on account of being so poorly planned proved worthless.

MERIDAN, COLUSA CO., CAL.—Bridge repairs, concrete. Cost not stated. Engineers, Galloway & Markquand, First National Bank Bldg., S. F. Owners, Colusa and Sutter Counties and the Northern Electric Railroad Co. Plans have been completed and figures are now being taken for the repairs to the Meridan bridge damaged by high water sometime ago. This work will consist of putting in new piers and bulkhead. Bids will be opened on June 26th. Plans and specifications can be had from the office of the engineers.

SANTA BARBARA, SANTA BARBARA CO., CAL.—Bridge, steel and reinforced concrete, \$20,000. Engineer, City Engineer, Santa Barbara. Owners, City of Santa Barbara. Bids will be received by the City Council up to

12 o'clock noon, June 24th, 1915, for the construction of a reinforced concrete bridge in this city. Bids will be taken on four sets of plans prepared by City Engineer Cook, Mayberry & Parker, Llewellyn Iron Works and E. T. Flaherty. The cost is estimated at about \$20,000. A certified check or bond for 10% is required. A. Christine Holmberg is the City Clerk. Plans are on file in the office of the City Engineer.

CALEXICO, IMPERIAL CO., CAL.—Bridge, steel and concrete. Cost not stated. Engineer, City Engineer Harry E. Foster, Calexico. Owners, City of Calexico and Imperial County. As a result of the conference held recently between City Engineer Harry E. Foster, County Surveyor C. N. Perry and Supervisor John Boyce, a survey will be made for the location of the new bridge across New River at the west end of Second street. According to the present plans the new structure will be moved 80 feet north, the western approach to be level and eastern end to have a slight grade. The Mercereau Bridge and Construction Co. of Los Angeles is said to be willing to construct the bridge for the city and county, allowing 8 months time for payment. No action as yet has been taken on the offer of the company. The bridge will be one span and about 17 feet above water.

SEATTLE, WASH.—Bridges, steel bascule type, \$370,000. Engineer, City Engineer Dimock, Seattle. Owners, City of Seattle. Bids will be received by the Board of Public Works until 10 a. m., July 23rd, for the construction of two of the Lake Washington Canal bridges, one at 15th avenue, NW, and the other at Fremont. The latter will cost \$370,000 exclusive of approaches, which may be built by Day Labor at a cost of \$90,000, and the former \$430,000. Both will be of the bascule type. The bids will be received for any of the following: (a) concrete substructure; (b) steel superstructure; (c) operating machinery, or for the work as a whole. It is estimated by City Engineer Dimock that the work will require about one year to complete.

CLATSKANIE, ORE.—Bridge, steel and concrete. Cost not stated. Engineer, County Surveyor, Clatskanie. Owners, Columbia County. Plans have been completed and are now out for figures for the construction of a steel and concrete road bridge over the Clatskanie River. Bids will be opened on June 26th. Plans and specifications can be secured from the office of the County Surveyor at Clatskanie.

SISKIYOU AND SHASTA COUNTIES, CAL.—Highway bridges, 2, steel and concrete. Cost not stated. Engineer, State Highway Commission, Forum Bldg., Sacramento. Owners, State of California. The State Highway Commission will shortly advertise for bids for the construction of two reinforced concrete bridges to be erected across the Pitt River and the Sacramento River. The Pitt River bridge will be 100 feet long including the approaches, and the main arch will be 250 feet long. This bridge will be located in Shasta County. The bridge over the Sacramento River will be at Dunsuir in Siskiyou County, and will be 530 feet long. Bids will be opened on July 6th or 7th.

COLUSA, COLUSA CO., CAL.—Bridges, 8, steel and reinforced concrete. Cost not stated. Engineer, County Surveyor, Colusa. Owners, Colusa County. At the last meeting of the County Supervisors the County Surveyor presented plans and specifications of certain bridges to be constructed in the county and after receiving the approval of the Board, the Clerk was instructed to advertise for bids. The bids to close July 8th at 10 a. m. The following is a list of the structures and their locations: Specification No. 85, reinforced concrete bridge across Glenn Valley Creek. Specification No. 30, reinforced steel or concrete bridge across Salt Creek one-half mile west of Prize. Specification No. 90, reinforced concrete bridge across Angel Slough. Specification No. 89, reinforced concrete bridge across Sycamore Slough at the Buster place. Specification No. 88, reinforced concrete culvert across Sycamore Slough at the Sachreiter place. Specification No. 87, reinforced concrete culvert across Sycamore Slough at the J. L. Davis place. Specification No. 91, reinforced concrete culvert across Dry Slough at the Dry Slough School House. Specification No. 86, reinforced concrete bridge across Lurline Creek at the southwest corner of section 19.

MODESTO, STANISLAUS CO., CAL.—Bridge, concrete and steel. Cost not stated. Engineer, County Surveyor, Modesto. Owners, Stanislaus County. The County Surveyor has been instructed to prepare plans and specifications for the construction of a bridge at Roberts ferry.

PORTLAND, ORE.—Dock, 2 story, frame, \$20,000. Architects, Emil Schacht & Son, Commonwealth Bldg., Portland. Owners, Albers Bros. The dock will be erected on the west side of the Willamette River near Broadway, and will cover an area of 100 by 130 feet. Construction will be of the heavy mill type. There will be elevators and an automatic sprinkler system. Exterior will be covered with asbestos covered corrugated iron. Plans are complete and the work will be done by Day Labor.

PORTLAND, ORE.—Jetty work, \$200,000. Engineer, United States Engineer, Couch Bldg., Portland. Owners, United States Government. Bids will be received up to July 12th at 11 a. m. for the construction of the north and south jetties at the mouth of the Siuslaw River, for the enlarging and repairing of the receiving wharves and the tramway which is used for carrying the rock. The north jetty will extend out about 300 feet and the south jetty over 200 feet. The work is to be let in one general contract to include the driving of the piling, placing and delivering the rock, etc.

Contracts Awarded

AUBURN, PLACER CO., CAL.—Cement for bridges. Cost not stated. Engineer, County Surveyor, Auburn. Owners, Placer County. Contractors, Pacific Portland Cement Co., S. F. Contract price not stated.

SAN FRANCISCO—Wharf paving and side aprons, \$4,800 and \$13,000. Engineer, Assistant State Engineer Newman, Ferry Bldg., S. F. Owners, State of California. Contractors, Rolph-Mills Co., wood block paving on Pier No. 24. Contract price, \$4,800. Healy-Tibbitts Construction Co., side aprons

on Piers Nos. 6, 7, and 8. Contract price, \$13,000.

TUMWATER, WASH.—Bridge, reinforced concrete, \$13,798. Engineer, County Surveyor William Yeager, Jr., Olympia. Owners, Thurston County. Contractor, Charles G. Huber, Central Bldg., Seattle. Contract price, \$13,798.

CHURCHES.

SAN FRANCISCO—Church, 2 story and base, frame. Cost not stated. Architect, T. Makkonen, 405 Van Ness avenue, S. F. Owners, First Finnish Evangelical Lutheran Church. The building will be erected on Harrison street and has been designed to contain social hall and Sunday school rooms besides the main auditorium. Interior will be finished in pine. There will be some art glass. Exterior of the building will be covered with ship-lap and cement plaster. Plans are complete and the work will be done by Day Labor.

Contracts Awarded

INGLEWOOD, LOS ANGELES CO., CAL.—Parish hall and rectory, 1 and 2 story, concrete and hollow tile, \$9,250 and \$10,000. Architects, Frohman & Martin, Flavin Bldg., Pasadena. Owner, C. H. Howard. Contractor, R. S. Martin, Alhambra. Contract price, parish hall, \$9,250 and rectory, \$10,000.

COURT HOUSES.

SAN FRANCISCO—City Hall sanitary furniture. Cost not stated. Architects, Bakewell & Brown, 51 Kearny street, S. F. Owners, City and County of San Francisco. Bids were opened at the last meeting of the Board of Public Works for furnishing and installing sanitary furniture in the new City Hall. Bids were taken for this work on six separate propositions. No contract has been awarded. A complete list of the bids submitted will be found under the heading of San Francisco in this issue.

SAN FRANCISCO—City Hall vault work. Cost not stated. Architects, Bakewell & Brown, 251 Kearny street, S. F. Owners, City and County of San Francisco. Bids were opened at the last meeting of the Board of Public Works for the special vault work for the new City Hall. The Herring-Hall Co. were low on their bid of \$22,593. The contract has not been awarded. A complete list of the bids submitted for the work will be found under the head of San Francisco in this issue.

FACTORIES AND WAREHOUSES.

SAN FRANCISCO—Factory, 4 story and base, reinforced concrete, \$200,000. Architect, Charles Peter Weeks, Mutual Bank Bldg., S. F. Owners, John Bollman Co. The building will be erected at the corner of 4th and Brannan streets and will cover a large area. Construction will be fireproof throughout with reinforced concrete walls, floors and roof slabs. Interior partitions will be of hollow tile. There will be freight elevators and special conveying machinery. Interior finish will be of pine. Hollow tile interior partitions are specified. The plans provide for steam heat. Metal window frames and sash are specified. Exterior of the building will be faced with

cement plaster. Plans are now being prepared. Further mention will be made of the work.

SAN FRANCISCO—Laundry, 2 story and base, frame, \$5,500. Architect, Albert L. Lapachet, 110 Sutter street, S. F. Owner, P. Esperance. The building will be erected on Railroad avenue, and has been designed for a laundry on the first floor and living apartments above. Interior will be finished in pine. There will be a considerable amount of special laundry machinery. Exterior of the building will be covered with shiplap and cement plaster. Plans are complete and figures are being taken.

Contracts Awarded

SAN FRANCISCO—Machine shop, hollow tile, \$5,592. Architect, O. R. Thayer, 20 Montgomery street, S. F. Owners, D. Breslauer Estate Co. Contractor, L. A. Hinson, 180 Jessie street, S. F. Contract price, \$5,592.

AVON, CONTRA COSTA CO., CAL.—Oil refinery equipment, \$38,158. Engineer, Arthur F. L. Bell, Sharon Bldg., S. F. Owners, Associated Oil Co. Contractors, Western Pipe and Steel Co., 444 Market street, S. F. Contract price, \$38,158.

FIREHOUSES AND JAILS

OAKLAND, CAL.—Detention home, 4 story and base, reinforced concrete, \$75,000. Architect, Henry H. Meyers, Kohl Bldg., S. F. Owners, Alameda County. Plans have been approved and figures are now being taken for the four-story and basement reinforced concrete detention home to be erected by Alameda County on the property at 18th and Poplar streets. The building will contain the usual wards, court room and administrative offices. Interior will be finished in pine. There will be a steam heating system, oil burning equipment and modern plumbing. Exterior of the building will be faced with cement plaster. Plans are complete and figures are being taken. Plans and specifications can be secured from the architect.

FLATS

SAN FRANCISCO—Flats, 2 story and base, frame, \$3,000. Architect, none. Owner, George W. Renish, 1781 9th avenue. The building will be erected on the west side of Ritch street north of Brannan, and has been designed to contain two flats of five rooms each. Interior will be finished in pine. There will be open fire places in the living rooms. Some oak floors are specified. Bath rooms will have imitation tile wainscot. Exterior of the building will be covered with shiplap. Plans are complete and in the hands of the owner who will do the work by Day Labor.

GARAGES.

SAN FRANCISCO—Garage, 2 story and base, brick and steel, \$11,000. Architect, none. Owners, Ernest & Panario, Italian Bank, S. F. The building will be erected on the east side of 11th street south of Market, and will cover an area of 62½ by 137½ feet. Construction will be fireproof. There will be metal window sash and frames. Special machinery will be installed. Exterior of the building will

be faced with stock brick. Plans are complete and in the hands of the owners who will do the work by Day Labor.

GOVERNMENT WORK & SUPPLIES

Excavation.

The Secretary of the Interior has awarded contract to the Morrison-Knudsen Co., of Boise, Idaho, for lateral 20, division 8, highline unit, Strawberry Valley project, Utah, at the total price of \$58,950.35. The contract involves the moving of about 30,000 yards of material and canal excavation and the placing of 3,400 yards of reinforced concrete. The work is located near Payson City, Utah.

Nelson Reservoir.

The Secretary of the Interior has awarded contract to James O'Connor, of Dodson, Mont., for the construction of Nelson reservoir, south canal, Milk River project, Mont., contract involving about 95,000 cubic yards of canal excavation. The work is located 10 miles from the town of Saco, Mont., the total price being \$15,615.

Canal Requisitions.

The purchasing officer of the Panama Canal will soon call for bids for furnishing the following supplies and materials:

A quantity of greenheart lumber to be used in connection with terminal construction.

12 towing locomotives and necessary accessories and equipment.

80 2-section steel doors, 19 ft 6 ins wide, 26 ft high (for side doors).

2 2-section steel doors, 22 ft wide, 14 ft 6 ins high (for end doors).

40 swing columns about 26 ft high (for side doors).

68 2-section steel doors, 24 ft wide and 23 feet high.

The work required under these specifications consists of the fabrication, delivery, and the erection of steel doors for pier No. 7 at Cristobal and for pier No. 18 at Balboa.

Salt Lake City, Utah, Shelving.

The following bids were received by the custodian, U. S. post office, Salt Lake City, Utah, for installing steel shelving in the office of surveyor general:

Berger Mfg. Co., Canto, Ohio, \$930.
Art Metal Construction Co., Jamestown, N. Y., \$1,047.

The Van Dorn Iron Works, Cleveland, Ohio, \$1,306.73.

Tribune-Reporter Printing Co., Salt Lake City, Utah, \$919.20.

Fort Baker, Gymnasium, Etc.

H. A. Klyce, of San Francisco, Cal., has the contract for the construction of an addition to the post exchange and gymnasium at Fort Baker, Cal., at \$3,995, plus \$45 for furring and lathing walls and for wiring and lighting at \$80.

Locomotives for Panama Canal.

The purchasing officer of the Panama Canal will soon issue an advertisement calling for bids for the purchase of 12 towing locomotives and necessary equipment. The locomotives are to be single truck, with spring suspension devices, capable of accomplishing the results required, namely, the towing and controlling of vessels

of varying tonnage in the locks of the Panama Canal. They are to be capable of towing vessels at either two miles per hour or one mile per hour while on the towing track and five miles per hour while on the return track. Each locomotive is to be equipped fully as indicated upon the drawings, including two main traction motors with selenoid operated brake, 2 slowly coiling motors, 1 rapidly coiling motor, clutch-operated selenoid, 2 contact plows with detachable leads, power switches, and controllers, complete with all wiring from contact plows to all parts of the equipment. The weight of each locomotive is to be 85,073 pounds. Further and complete specifications will be included in the circular when issued.

Presidio of San Francisco, Construction.

Under bids opened May 19 by the quartermaster at Fort Mason, Cal., for the construction of storehouse, garage, etc., at the Presidio, San Francisco, the following awards have been made: Macdonald & Kahn, San Francisco, Cal., constructing garage, \$1,370; Williams & Son, San Francisco, Cal., plumbing in garage, \$116; using Crane fixtures; H. A. Klyce, San Francisco, Cal., constructing storehouse, \$1,750; Dunnivant-Oakley Co., San Francisco, Cal., electric wiring in garage, \$62; fixtures, \$16; electric wiring in storehouse, \$50; fixtures, \$18.

Puget Sound, Storehouse.

The contract for the construction of a fireproof storehouse at the naval station, Puget Sound, has been awarded to Martin Dugan, of Seattle, Wash., at \$36,513.

Pearl Harbor, Hawaii, Light Fixtures.

The following bids were received by the chief of the bureau of yards and docks, Navy Department, Washington, D. C., for electric light fixtures for the naval hospital building, naval station, Pearl Harbor, Hawaii:

Item 1, fixtures only; 2, furnishing and installing fixtures.

The Roberts Manufacturing Co., San Francisco, Cal., item 1, \$1,926; 2, \$2,126.

H. W. Johns-Manville Co., New York City, item 1, \$1,988; 2, \$2,238.

F. Stosberg Co., Newark, N. J., item 1, \$2,173; 2, \$2,598.

The Simes Co., 18 Rose street, New York City, item 1, \$1,775.

Reading Chandelier Works, Reading, Pa., item 1, \$1,865; 2, \$2,365.

The Home Life Company of America, 1955 Park avenue, New York City, item 1, \$2,066.73.

The Gas Fixture and Brass Co., Cleveland, Ohio, item 1, \$2,000.

The Horn & Brannan Manufacturing Co., Philadelphia, Pa., item 1, \$1,772.388.

Beardslee Chandelier Manufacturing Co., Chicago, Ill., item 1, \$2,298.50; 2, \$2,523.50.

J. Livingston & Co., 70 E. 45th street, New York City, item 1, \$2,350.

George N. Lukens, 143 Madison avenue, New York City, item 1, \$2,243.40.

FORT HUACHUCA, ARIZ.—Electric power and ice plant, 1 and 2 story, reinforced concrete. Cost not stated. Architect, Constructing Quartermaster, Capt. Walton, Fort Huachuca. Owners, United States Government. Bids

were opened for this work under the segregated system and no authoritative statement has been received as to who is the lowest bidder as a whole. A complete list of the segregated figures appears under the heading of San Francisco in this issue. Parties interested in items not given under this heading can secure an official list of the bids received by applying at this office where a record is on file.

HALLS AND SOCIETY BUILDINGS.

PORTLAND, ORE.—Municipal auditorium, 1 story and base. Class A construction. Cost not stated. Architect, J. H. Freedlander, New York. Owners, City of Portland. At a recent meeting of the City Council, Architects Whitehouse & Foulhoux, Wilcox Bldg., who are working out plans for J. H. Freedlander of New York, the architect selected to design the new auditorium building for this city, presented detail drawings of the proposed structure, and they received the approval of the Council. The seating arrangement calls for 3,500 seats in the main auditorium, with 1,500 additional seats on the stage. The stage is to be made exceedingly large for accommodation of large theatrical productions. The seating arrangement gives the main auditorium a capacity of 5,500. Bids will be called shortly.

Contracts Awarded

FRESNO, FRESNO CO., CAL.—Exhibit building, 1 story, frame and plaster, \$7,875. Architect's name not given. Owners, Fresno County. Contractors, Cowan & Son, Fresno. Contract price, \$7,875.

SEATTLE, WASH.—Auditorium and arena, 2 story and base, reinforced concrete and steel, \$100,000. Architects, Howell & Stokes, Henry Bldg., Seattle. Owners, Metropolitan Building Co. Contractors, Grant Smith & Co., Henry Bldg., Seattle. Contract price, \$100,000.

RESIDENCES.

SAN FRANCISCO — Residence, 2 story and base, frame, \$3,000. Architect, none. Owner, William Nolan, 1682 Ellis street, S. F. The dwelling will be erected on the west line of 18th avenue north on Anza, and has been designed to contain seven rooms, bath and sleeping porch. Interior finish will be of pine and hardwood with some white enamel. Hardwood floors will be used in the living room, dining room and reception hall. There will be furnace heat and open fire places. Mantels will be of tile or brick. Imitation tile wainscot will be used in the bath room. Automatic water heater has been specified and will be furnished by the owner. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor. Materials are now being purchased.

BERKELEY, ALAMEDA CO., CAL.—Residence, 2 story and base, frame. Cost not stated. Architect, John Hudson Thomas, First National Bank Bldg., Berkeley. Owner, Miss G. Anthony. The dwelling has been designed for a seven-room house with bath and sleeping porch, and will be erected in Cragmont Heights. Interior finish will be

of pine and redwood, with white enamel in the bed rooms. Hardwood floors will be used in the living room dining room, and reception hall. There will be furnace heat and open fire places. Mantels will be of brick. Bath room will have tile wainscot and floors. An automatic water heater will be installed. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are complete and figures are now being taken.

OAKLAND, CAL.—Residence, 2-story and base, frame, \$3,500. Architects, Universal Drafting Bureau, nc., 1844 5th avenue, Oakland. Owner, J. C. Fossing, 560 Oakland avenue, Oakland. The dwelling will be erected on Haddon Road and has been designed for a seven-room house with bath and sleeping porch. Interior finish will be of pine and redwood with some hardwood veneer and white enamel in the bed rooms. Hardwood floors will be used in the principal rooms. There will be furnace heat and open fire places. Mantels will be of brick. Bath room will have tile floor and wainscot. An automatic water heater is specified. Exterior of the dwelling will be covered with shingles. Plans are complete and the work will be done by Day Labor under the direction of the architect.

OAKLAND, CAL.—Residence, 2 story and base, frame, \$3,500. Architect, none. Owner, S. E. L. Higgins, 5250 Miles avenue, Oakland. The dwelling will be erected on the east side of Thomas street north of Napa, and has been designed for a seven-room house with bath and sleeping porch. Interior finish will be of pine with some elm panels and white enamel in the bed rooms. Hardwood floors will be used in the living room, dining room and reception hall. Plans provide for furnace heat and open fire places. Mantels will be of tile or brick. Tile wainscot and floor will be used in the bath room. An automatic water heater is specified. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor. Materials are now being purchased.

OAKLAND, CAL. — Residence, 1½ story and base, frame, \$3,000. Architect, none. Owner, P. R. Bullock, 5328 Shafter avenue, Oakland. The dwelling will be erected on Bay View avenue east of 28th street, and has been designed to contain seven rooms, bath and sleeping porch. Interior will be finished in pine with some white enamel. Hardwood floors will be used in the principal rooms. There will be furnace heat and open fire places. Mantels will be of tile or brick. An automatic water heater will be installed. Tile wainscot will be used in the bath room. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor. Materials are now being purchased.

OAKLAND, CAL. — Residences, 20, 1 story and base, frame, \$1,500 each. Architect, A. L. Haley. Owners, Haley, Wheatley & Paul, 1525 San Pablo avenue, Oakland. These dwellings will be erected on the property known as Lawn Heights. Each house has been designed to contain four rooms, bath

and sleeping porch. Interior of these houses will be finished in pine and redwood. Some oak floors are specified. Each of the living rooms will have a large open fire place with tile or brick mantel. Each of the houses will be equipped with two Marshall & Stearns wall beds. Exteriors will be covered with cement plaster on metal lath. Plans are complete and the work will be done by Day Labor.

BERKELEY, ALAMEDA CO., CAL.—Residence, 2 story and base, frame, \$4,500. Architect, none. Owner, Mrs. G. L. Blair, 278 Jayne avenue, Oakland. The dwelling will be erected in Claremont, and has been designed for a seven-room house with bath and sleeping porch. Interior finish will be of pine and hardwood veneer with white enamel in the bed rooms. Hardwood floors will be used in the living room, dining room and reception hall. Plans provide for furnace heat and open fire places. Mantels will be of tile or brick. An automatic water heater is specified. Bath room will have tile floor and wainscot. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are now being prepared.

REDWOOD CITY, SAN MATEO CO., CAL.—Residence, 2 story and base, frame, \$4,000. Architect, J. W. Plachek, Acheson Bldg., Berkeley. Owner, Mr. Stanford Elliott. The dwelling has been designed for a seven-room house with bath and sleeping porch. Interior finish will be of pine with some white enamel in the bed rooms. Hardwood floors will be used in the principal rooms. There will be furnace heat and open fire places. Mantels will be of tile or brick. An automatic water heater will be installed. Bath room will be finished in tile. Exterior of the dwelling will be covered with shingles. Plans are complete and figures are now being taken.

RED BLUFF, TEHAMA CO., CAL.—Ranch residence, 2 story and base, frame, \$15,000. Architect's name not given. Owner, Frank Miller, Red Bluff. Mr. Miller, who owns a large ranch near Red Bluff, has announced that he has had had plans prepared for extensive improvements to be made at the ranch this summer. A new residence for the manager will be erected. Also a number of out buildings and extensive fencing. Work will be done by Day Labor.

TRUCKEE, NEVADA CO., CAL.—Residence, 2 story and base, frame, \$5,000. Architect, Walter D. Reed, Oakland Bank of Savings Bldg., Oakland. Owner, E. J. Henderson, First National Bank Bldg., Oakland. The dwelling will contain seven rooms and bath. Interior will be finished in pine and redwood. Hardwood floors will be used in the living room, dining room and reception hall. There will be furnace heat and open fire places. Mantels will be of brick and stone. Tile wainscot will be used in the bath room. An automatic water heater will be installed. Exterior of the dwelling will be covered with rustic and shingles. Plans are complete and the work will be done by Day Labor.

SAN FRANCISCO — Residence, 2 story and base, frame, \$2,500. Architect, none. Owner, F. Nelson, 30 Presidio Terrace S. F. The dwelling will be erected on living street west of

20th avenue and has been designed for a five room house. Interior will be finished in pine with some redwood. Hardwood floors will be used in the living and dining rooms. There will be an open fire place and tile or brick mantel. Bath room will be finished in tile. An automatic water heater will be installed. Exterior of the house will be covered with rustic and cement plaster. Plans are complete and in the hands of the owner who will do the work by Day Labor. Materials are now being purchased.

PORTLAND, ORE. — Residence, 2 story and base, frame, \$20,000. Architect, none. Owner, Oregon Home Builders, Northwest Bank Bldg., Portland. The dwelling will be erected for the President of the Oregon Home Builders, O. J. Jefferts, on property situated on Bryre Drive. The dwelling will contain twelve rooms, three baths and sleeping porch. Interior will be finished in pine with some hardwood and white enamel. Hardwood floors will be used in the principal rooms. There will be steam heat and open fire places. Mantels will be of tile and brick. Bath rooms will be finished in tile. A hot water heating system will be installed. Exterior of the house will be covered with granite veneer and cement plaster on metal lath. Plans are complete and the work will be done by Day Labor.

ASTORIA, ORE. — Residence, 2½ story and base, frame, \$15,000. Architects, Emil Schacht & Son, Commonwealth Bldg., Portland. Owner, C. W. Houston. The dwelling has been designed to contain twelve rooms, three baths. Interior will be finished in pine and white enamel with hardwood floors throughout. There will be a central heating system and open fire places. Mantels will be of tile. Bath rooms will be finished in tile and will be equipped with showers. A hot water circulating system will be installed. Exterior of the house will be covered with cement plaster. Plans are complete and in the hands of the owner who will do the work by Day Labor.

SCHOOLS.

SAN FRANCISCO Convent school, 3 story and base, frame and plaster, \$15,000. Architects, Welsh & Carey, Merchants' National Bank Bldg., S. F. Owners, Helpers of the Holy Soul. The building will be erected on the grounds of the present institution at the corner of Haight and Laguna streets. Interior will be arranged for class rooms and dormitories, and will be finished in pine and redwood. Some maple floors will be used. There will be a central heating system, hot water supply and modern plumbing. Exterior of the building will be covered with cement plaster on metal lath. Plans are complete and figures are being taken.

RICHMOND, CONTRA COSTA CO., CAL.—School, 1 story and base, brick. Cost not stated. Architect, James T. Nabert, Berry Bldg., Richmond. Owners, City of Richmond. The building will be known as the Pullman School. There will be four class rooms. Interior will be finished in pine. Maple floors will be used in the class rooms. There will be a central heating sys-

tem with oil burning plant. Exterior of the building will be faced with pressed brick. Plans are being prepared.

RED BLUFF, TEHAMA CO., CAL.—School, 2 story and base. Class C construction, \$90,000. Architect, W. H. Weeks, 75 Post street, S. F. Owners, City of Red Bluff. The building will probably contain sixteen class rooms, assembly hall and auditorium, and departments for domestic science and manual training. Interior will be finished in pine with maple floors in the class rooms. There will be steam heat, an oil burning system, program clocks and vacuum cleaning. Exterior will be faced with pressed brick or cement plaster. Working drawings will not be prepared until the result of the bond election to secure funds is known. Further mention will be made of the work.

NEWARK, ALAMEDA CO., CAL.—School, 1 story and base, frame, \$18,000. Architect, Fred D. Wolfe, Bank of San Jose Bldg., San Jose. Owners, Town of Newark. Working drawings for this six-room school have been completed and have received the approval of the Board of Education. Bids are now being taken. Interior of the building will be finished in pine. There will be a central heating system with complete oil burning plant. Exterior will be faced with cement plaster on metal lath. Plans can be secured from the architect or from the Board of Education.

JACKSON SCHOOL DISTRICT STANISLAUS CO., CAL. — School, 1 story, frame. Cost not stated. Architect, Ernest J. Klump, Rowell Bldg., Fresno. Owners, Jackson School District. The building will contain four class rooms. Interior will be finished in pine. There will be a central heating system and oil burning equipment. Exterior will be covered with cement plaster. Plans are complete and figures are being taken. Bids will be opened on June 30th.

Contracts Awarded

BERKELEY, ALAMEDA CO., CAL.—School, 2 story and base. Class C, \$100,000. Architects, Hobart & Cheney, Crocker Bldg., S. F. Owners, City of Berkeley. Contractors, D. O. Church Co., S. F., grading and concrete work, \$13,457. Walter Sorenson, 3219 Ellis street, Berkeley, carpentry work, \$23,231. Siebert & Co., Phelan Bldg., S. F., heating and ventilating, \$9,427. Walter Mork, 1909 San Pablo avenue, Berkeley, sheet metal work, \$1,930. Capitol Electric Works, 2476 Shattuck avenue, Berkeley, electric work, \$2,430. Eugene Ehret, 2043 University avenue, Berkeley, plumbing, \$4,690. George Dixon, 541 Apgar street, Oakland, plastering, \$10,487, and D. Zelinsky, 564 Eddy street, S. F., painting, \$2,326.

STOCKTON, SAN JOAQUIN CO., CAL.—School, 1 story and base, frame, \$9,811. Architects, Stone & Wright, 24 South California street, Stockton. Owners, City of Stockton. Contractors, Chirhardt & Nystedt, Stockton. Contract price, \$9,811.

BENICIA, SOLANO CO., CAL. — School alterations, frame, \$5,500. Architect, Henry C. Smith, Humboldt Bank Bldg., S. F. Owners, Town of Benicia. Contractors, Ludden & Lamb-ley, Benicia. Contract price, \$5,500.

SEWERS, STREET WORK & WATER SYSTEMS.

CALIFORNIA State Highway construction. Cost not stated. Engineer, State Highway Commission, Forum Bldg., Sacramento. Owners, State of California. Bids will be opened on July 6th by the State Highway Commission for road construction in the following counties: Tehama, 12.7 miles; Glenn, 9.4 miles; Contra Costa, 3.5 miles; Tulare, 6.4 miles, and Tulare, 3.9 miles. Plans and specifications can be secured from the Highway Commission or its branch offices in San Francisco and Los Angeles. An official proposal appears in another column of this issue.

SAN LEANDRO, ALAMEDA CO., CAL.—Street widening. Cost not stated. Engineer, Town Engineer San Leandro. Owners, Town of San Leandro. The City Engineer has been instructed to prepare plans for the widening of East 14th street 6 feet on the easterly side and 19 feet on the westerly side, from the center line of San Leandro Creek to the southerly line of Stanley road.

LIVERMORE, ALAMEDA CO., CAL. —Sewer extension, \$2,522.60. Engineer, Town Engineer, Livermore. Owners, Town of Livermore. Bids opened by the Town Trustees for sewer extension show J. W. Terrell of Sacramento low at \$2,522.60. He will be awarded the contract.

SAN JOSE, SANTA CLARA CO., CAL. —Redwood tanks. Cost not stated. Engineer, County Surveyor, San Jose. Owners, Santa Clara County. Plans are complete and figures will be opened on June 28th for furnishing the county with 15, 3,000-gallon standard redwood tanks, 9 feet in diameter and 7 feet high, of 2-inch material, round hoop banded, to be delivered knocked down at Congress Junction. Plans and specifications can be secured from the County Clerk at San Jose.

SAN JOSE, SANTA CLARA CO., CAL. —Crushed rock. Cost not stated. Engineer, County Surveyor, San Jose. Owners, Santa Clara County. Bids will be opened on June 28th for furnishing the county with 5,125 cubic yards of crushed rock for use in Road District No. 5. Complete information can be secured from the County Clerk at San Jose.

SAN JOSE, SANTA CLARA CO., CAL. —Wrought iron pipe and fittings. Cost not stated. Engineer, County Surveyor, San Jose. Owners, Santa Clara County. Bids will be opened on June 28th for furnishing the county with 29,000 feet one-inch galvanized standard wrought iron pipe, and one-inch standard fittings. Complete information can be secured from the County Clerk at San Jose.

MARTINEZ, CONTRA COSTA CO., CAL.—Road construction. Cost not stated. Engineer, County Surveyor, Martinez. Owners, Contra Costa County. Three commissioners have been selected to form the new Mt. Diablo Boulevard District. The commissioners selected are Arthur Burton of Moraga, Edward Williams of Tassajara and Josiah Boucher of Alamo. The plan is to form a district comprising 63,745 acres of land and to build a highway 30 miles long to cost approximately \$4,000 per mile. The proposed scheme calls for the building of a permanent

highway through Tassajara, Sycamore, Railroad ranch, Stone Valley, Alamo, Bensin ranch and Moraga to Bryan, and then from Moraga Valley road through the Redwood Canyon.

SANTA ROSA, SONOMA CO., CAL.—Street improvement. Cost not stated. Engineer, City Engineer, Santa Rosa. Owners, City of Santa Rosa. The City Engineer has been instructed to prepare plans, line, grade and estimates of cost for the paving of Third street from the east end of the Third street bridge to the west line of B street, and from the east line of Hinton avenue to the east line of E street. The paving of these streets to be similar to the present paving in 5th street. On completion and approval of the plans bids on the above work will be called for.

CONCORD, CONTRA COSTA CO., CAL.—Street pavement. Cost not stated. Engineer, City Engineer, Concord. Owners, City of Concord. Ten blocks of street work were ordered by the City Trustees, and City Clerk Ray Hammett has issued the call for bids to be opened on June 28th at 8 p. m. The streets to be paved are four blocks on Pacheco, three blocks on Colfax and three blocks on Galindo street.

BAKERSFIELD, KERN CO., CAL.—Road improvement. Cost not stated. Engineer, County Surveyor, Bakersfield. Owners, Kern County. Plans and specifications for the grading of a stretch of county highway extending 1.40 miles from the beginning of the McKittrick hills to the city limits of that town were approved by the Board of Supervisors and advertisements for bids on the contract were authorized. Bids will be received by the Board until 10 o'clock on the morning of July 7th. This work includes division 5, section 3, Bakersfield-McKittrick road. The contract calls for grading only, this being preliminary to the laying of the surfacing.

STOCKTON, SAN JOAQUIN CO., CAL.—Storm water and sanitary sewers. Cost not stated. Engineer, City Engineer, Stockton. Owners, City of Stockton. By a vote of six to one this city authorized a bond issue of \$200,000 for storm water sewers, and \$350,000 for sanitary sewers, a total of \$550,000. Plans and specifications for this work have already been prepared, and it is possible that bids on the construction will be issued at an early date. The works will probably be constructed in units.

SACRAMENTO, CAL.—Street pavement. Cost not stated. Engineer, City Engineer, Sacramento. Owners, City of Sacramento. The City Commission has instructed the City Engineer to prepare plans and specifications for the improvement of Front street from N to Q with basalt blocks, and Front from Q to S with a six-inch asphalt pavement.

COLUSA, COLUSA CO., CAL.—Street paving. Cost not stated. Engineer, City Engineer, Colusa. Owners, City of Colusa. Bids will be opened on June 28th for paving, curbs, gutters and sidewalks on a number of city streets. Warrantable pavement is specified. Plans can be secured from the office of the City Clerk.

YUBA CITY, SUTTER CO., CAL.—Levee repairs. Cost not stated. Engineer's name not given. Owners, Levee District No. 1, Yuba City. Bids

will be opened on June 28th for repairs to one section of levee, a total length of 1,609 feet and involving approximately 30,000 cubic yards of materials. The work is located on the T. E. Holmes ranch about 7½ miles out of Yuba City. Complete information can be secured from the office of Levee District No. 1 at Yuba City.

Contracts Awarded

GRIDLEY, BUTTE CO., CAL.—Street paving, \$52,373.40. Engineer, City Engineer, Gridley. Owners, City of Gridley. Contractors, Clark-Henery Co., Ochsner Bldg., Sacramento. Contract price, \$52,373.40.

BAKERSFIELD, KERN CO., CAL.—Street paving, etc. Cost not stated. Engineer, City Engineer, Bakersfield. Contractors, Thompson Bros., Fresno, improvement of Chester avenue and G street. Cost not stated. Wetzel & Larsen, Bakersfield, improvement of 25th street between N and P streets. Cost not stated.

TURLOCK, STANISLAUS CO., CAL.—Street paving. Cost not stated. Engineer, City Engineer, Turlock. Owners, City of Turlock. Contractors, The Worswick Paving Co., Modesto. Contract price not stated.

RIVERBANK, STANISLAUS CO., CAL.—Ornamental lighting system, \$4,185. Engineer's name not given. Owners, Town of Riverbank. Contractors, Pacific Fire Extinguisher Co., S. F. Contract price, \$4,185.

PETALUMA, SONOMA CO., CAL.—Street improvement and conduits, \$12,172. Engineer, City Engineer, Petaluma. Owners, City of Petaluma. Contractors, Eaton & Smith, S. F. Contract price, \$12,172.

SAUSALITO, MARIN CO., CAL.—Street paving, gutters, etc., \$20,985.99. Engineer, City Engineer, Sausalito. Owners, City of Sausalito. Contractors, Clark-Henery Co., Ochsner Bldg., Sacramento. Contract price, \$20,985.99.

AVON, CONTRA COSTA CO., CAL.—Oil storage tanks, 3, steel, \$30,000. Engineer, A. F. Bell, Sharon Bldg., S. F. Owners, Associated Oil Co. Contractors, Llewellyn Iron Works, L. A. Contract price, \$30,000.

SANTA ROSA, SONOMA CO., CAL.—Street improvement, \$2,000. Engineer, City Engineer, Santa Rosa. Owners, City of Santa Rosa. Contractor, W. H. Locke, Santa Rosa. Contract price, \$2,000.

SANTA ROSA, SONOMA CO., CAL.—Crushed rock. Cost as follows. Engineer, City Engineer, Santa Rosa. Owners, City of Santa Rosa. Contractor, P. Maroni, Santa Rosa. Contract price, 3,000 cubic yards at \$1.60, \$1.45 and \$1.35 per cubic yard.

NORTH BEND, ORE.—Sewer construction, \$20,000. Engineer, City Engineer, North Bend. Owners, City of North Bend. Contractor, Edward Sandberg, 74 East 24th street, North Portland. Contract price, \$20,000.

ELLENSBURG, WASH.—Power house, 1 story and base, reinforced concrete, \$60,000. Engineer's name not given. Owners, City of Ellensburg. Contractors, W. A. Kramer & Co., Chamber of Commerce Bldg., Portland. Contract price, \$60,000.

STORES AND OFFICES.

OAKLAND, CAL.—Stores, 1 story and base, brick and steel, \$15,000. Architect, C. W. Diekey, Central Bank Bldg.,

Oakland. Owners, Hawley Investment Co. The building will be erected at the northwest corner of 15th and Franklin streets, and will cover a considerable ground area. There will be a number of small stores. Interiors will be finished in pine with some hardwood veneer. Patent store fronts are specified. Exterior of the building will be faced with pressed brick. Only preliminary plans have been prepared and construction will not be undertaken for some time. Further mention will be made of the work.

OAKDALE, STANISLAUS CO., CAL.—Administration building, 2 story and base, reinforced concrete. Cost not stated. Architect not selected. Owners, Oakdale Irrigation District. The Oakdale Irrigation District will shortly have a new central office building, which will be erected in the town of Oakdale. The building to be erected will be a two-story and basement reinforced concrete structure costing \$10,000. Plans are being submitted by Architects Stone & Wright, Stockton; Henry F. Starbuck, Fresno, and Bright & Edstrom, Riverbank.

SEALED PROPOSALS

PROPOSALS FOR STEEL GATES.

STEEL GATES—Department of the Interior, U. S. Reclamation Service, Washington, D. C.—Sealed proposals will be received at the office of the United States Reclamation Service, Washington, D. C., until 2 o'clock p. m. **June 30, 1915**, for furnishing one set of steel Tainter gates, consisting of four gates 6 feet 3 inches by 21 feet 5½ inches and nine gates 4 feet 6 inches by 21 feet 5½ inches, all complete with fittings, for the Mesilla diversion dam, Rio Grande project, New Mexico. The total weight is approximately 25 tons. For particulars address the United States Reclamation Service, Washington, D. C., or El Paso, Tex. **MORRIS BIEN**, acting director.

PROPOSALS FOR CANAL SUPPLIES.

PANAMA CIRCULAR 934—Proposals for Steel, Iron, Wire Cable, Wire, Mule Shoes, Machine Bolts, Nails, Screws, Washers, Cable Clips, Chain Links, Boat Spikes, Staples, Screw Eyes, Cup Hooks, Tacks, Brass Tubing, Yellow Metal, Sheet Lead, Plate Zinc, Solder, Hinges, Door Bolts, Locks, Spades, Shovels, Stable Brooms, Tool Handles, Tackle Blocks, Pulleys, Lanterns, Ladders, Blow Torches, Metallic Tapes, Rules, Refrigerators, Fire Brick, Manila Rope, Mop Heads, Railway Flags, Twine, Leather, Scratch Pads, Paper, Lard Oil and Lumber.—Sealed proposals will be received at the office of the general purchasing officer, the Panama Canal, Washington, D. C., until **10:30 a. m. June 25, 1915**, at which time they will be opened in public, for furnishing the above mentioned articles. Blanks and general information relating to this circular (No. 934) may be obtained from this office or the offices of the assistant purchasing agent, Fort Mason, San Francisco, Cal.; also from the U. S. engineer offices in the following cities: Seattle, Wash.; Los Angeles, Cal.; E. C. ROGGS, major, corps of engineers, U. S. army, general purchasing officer.

PROPOSALS FOR CANAL SUPPLIES.

PANAMA CIRCULAR 935—Proposals for Galvanized Corrugated Roofing, Electrolytic Oxy-Hydrogen Generating Plant, Electric Cable, Cable End Bells, Circuit Breaker, Glass Lamp Shades, Battery Zincs, Dry Cells, Soil Pipe, Pipe Fittings, Mattress Ticking, Mattress Tufts and Mattress Twine and Lumber.—Sealed proposals will be received at the office of the general purchasing officer, the Panama Canal, Washington, D. C., until **10:30 a. m. July 1, 1915**, at which time they will be

opened in public, for furnishing the above mentioned articles. Blanks and general information relating to this circular (No. 935) may be obtained from this office or the offices of the assistant purchasing agent, Fort Mason, San Francisco, Cal.; also from the U. S. engineer offices in the following cities: Seattle, Wash.; Los Angeles, Cal. F. C. BOGGS, major, corps of engineers, U. S. army, general purchasing officer.

PROPOSALS FOR DWELLING.

BRICK SCHOOL HOUSE AND HEATING SYSTEM—Department of the Interior, Office of Indian Affairs, Washington, D. C.—Sealed proposals plainly marked on the outside of the sealed envelope "Proposals for Brick School House and Heating System, Crow School, Montana," and addressed to the commissioner of Indian Affairs, Washington, D. C., will be received at the Indian Office until **2 o'clock p. m. of June 30, 1915**, for furnishing materials and labor for the construction of a brick school house and heating system for the two dormitories, in strict accordance with the plans, specifications and instructions to bidders, which may be examined at the office of the superintendent of the Crow Agency, Crow Agency, Mont. For further information apply to the superintendent of the Crow School. CATO SELLS, commissioner.

STATE OF CALIFORNIA.

DEPARTMENT OF ENGINEERING.

CALIFORNIA HIGHWAY COMMISSION

NOTICE TO CONTRACTORS.

SEALED PROPOSALS will be received at the office of the **California Highway Commission, 515 Forum Building, Sacramento, Cal., until 2 o'clock P. M. on July 6, 1915**, at which time they will be publicly opened and read for construction in accordance with the specifications therefor, to which special reference is made, portions of State highway as follows:

Tehama County, from Red Bluff to Northerly Boundary (II-Teh-3-C), about 12.7 miles in length, to be graded.

Glenn County, from Willows to Grapit (II-Gle-7-B), about 9.4 miles in length, to be paved with Portland cement concrete.

Contra Costa County, from El Cierro (Tormey) to Eckley (IV-C. C-14-B), about 3.5 miles in length, to be graded.

Tulare County, from Goshen to Visalia (VI-Tul-4-D and VI-Tul-10-B), about 6.4 miles in length, to be paved with Portland cement concrete.

Tulare County, from Westerly Boundary to the Southern Pacific Railroad (VI-Tul-10-A), about 3.9 miles in length, to be paved with Portland cement concrete.

Plans may be seen, and forms of proposals, bonds, contract, and specifications may be obtained, at the said office, and they may be seen at the offices of the Division Engineers at Los Angeles and San Francisco, and at the office of the Division Engineer of the division in which the work is situated. The Division Engineers' offices are located at Willits, Dunsmuir, Sacramento, San Francisco, San Luis Obispo, Fresno, and Los Angeles.

No bid will be received unless it is made on a blank form furnished by the Commission. The special attention of prospective bidders is called to the "Notice to Contractors" annexed to the blank form of proposal, for full directions as to bidding, quantities of work to be done, etc.

The Department of Engineering reserves the right to reject any or all bids or to accept the bid deemed for the best interests of the State.

CHARLES D. BLANEY,
NEWELL D. DARLINTON,
CHARLES F. STERN.

California Highway Commission.
AUSTIN B. FLETCHER,
Highway Engineer,

WILSON R. ELLIS,
Secretary.

Dated: June 14, 1915.

NOTICE TO CONTRACTORS.

THE BOARD OF PUBLIC WORKS has approved specifications for the **construction of the 2nd story of the Geary street car barn** and will invite sealed proposals for this work; said proposals to be received on **Wednesday, June 23, 1915**.

Specifications may now be obtained upon application at the office of the City Engineer.

PROPOSALS FOR CANAL SUPPLIES.

CANAL WORK—Department of the Interior, U. S. Reclamation Service, Washington, D. C.—Sealed proposals will be received at the office of the U. S. Reclamation Service, Great Falls, Mont., until **2 o'clock p. m. July 1, 1915**, for the construction of canals and structures on the Sun River project, Mont., involving about 455,000 cubic yards of excavation, about 4,290 cubic yards of reinforced concrete, the manufacture and laying of about 4,560 lineal feet of concrete pipe, and the placing in wooden structures of about 265,000 feet, B. M., of lumber. The work is situated about 25 miles northwest of Great Falls, Mont., and about 3 miles south of the towns of Bole, Sloan and Cordova, Mont., stations on the Choteau Branch of the Great Northern Railway. For particulars address the U. S. Reclamation Service, Washington, D. C., Great Falls, Mont., or Fort Shaw, Mont. A. P. DAVIS, Chief Engineer.

PROPOSALS FOR BUILDING.

BUILDING—Sealed proposals marked "Proposals for Residence, Clackamas, Ore." and inclosed in an envelope addressed to the commissioner of fisheries, Department of Commerce, Washington, D. C., will be received until **2 o'clock p. m. June 28, 1915**, and then opened, for the construction of a superintendent's residence at the Clackamas, Ore., fisheries station. For blank proposals address the superintendent, fisheries station, Clackamas, Ore.

NOTICE TO CONTRACTORS.

SEALED BIDS will be received by W. F. McClure, State Engineer, Forum Building, Sacramento, California, up to and including **12 o'clock, noon, Wednesday, July 7, 1915**, said bids then and there to be publicly opened and read for furnishing all plant, materials, and labor, and doing the work required for the complete construction and erection of a building to be known as the **Power House, Chico State Normal School, Chico, California**, in accordance with the plans and specifications therefor, copies of which may be obtained on application to the State Department of Engineering, Sacramento, California.

Such bids will be received for the Entire Work, and must be submitted on forms prepared and furnished by the State Department of Engineering.

Cash, a bidder's bond, or a certified check in the sum of ten per centum (10%) of the amount of the bid must accompany each bid.

A deposit of Ten (\$10.00) Dollars will be required on plans and specifications, the deposit to be returned immediately on the return of the plans and specifications to the State Department of Engineering at Sacramento, California, in good condition.

The State Department of Engineering reserves the right to reject any and all bids and to waive any informality in any bid received.

All bids must be addressed to W. F. McClure, State Engineer, Sacramento, California, and plainly marked on the envelope: "Proposal for Power House, Chico State Normal School, Chico, California."

(SIGNED) W. F. MCCLURE,
State Engineer. (*)

PROPOSAL FOR STEEL INSPECTION.

TREASURY DEPARTMENT, Office of the Supervising Architect, Washington, D. C., June 4, 1915.—**SEALED PRO-**

POSALS will be received at this office until **3 o'clock P. M., June 24, 1915**, and then opened, for the inspection of structural steel and iron work for buildings erected under the control of the United States Treasury Department, from the date of the award of this contract to the end of the fiscal year, June 30, 1916, in accordance with specifications, copies of which may be obtained by applying to this office. JAS. A. WETMORE, Acting Supervising Architect. (*)

PROPOSALS FOR SUBMARINES.

SUBMARINES—Proposals for constructing by contract sixteen submarine boats, Nos. 62-77, will be received at the Navy Department until **12 o'clock noon August 2, 1915**, when they will be publicly opened. Circulars for the information of bidders and general specifications for the construction of said vessels are ready for distribution among prospective bidders. Forms of proposal and contract may be had on application to the department. FRANKLIN D. ROOSEVELT, Acting Secretary of the Navy.

INVITATION FOR PROPOSALS.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., June 1, 1915.—Sealed proposals will be opened in this office at **3 p. m. July 7, 1915**, for the completion of the Second story of the United States Subtreasury at San Francisco, California. Drawings and specifications may be obtained from J. Milton Dyer, 825 Cuyahoga Building, Cleveland, Ohio; from J. W. Roberts, Supervising Superintendent of Construction, 403 Post Office and Court House Building, San Francisco or at this office, at the discretion of the Acting Supervising Architect, JAS. A. WETMORE, Acting Supervising Architect. (*)

PROPOSALS FOR OIL BURNING PLANT.

OIL BURNING PLANT—Treasury Department, Supervising Architect's Office, Washington, D. C.—Sealed proposals will be opened in this office at **3 p. m. June 24, 1915**, for an oil burning plant for heating boilers in the U. S. marine hospital at Port Townsend, Wash., in accordance with specification and drawing, copies of which may be obtained at this office or at the office of the custodian at Port Townsend, Wash., in the discretion of the Supervising Architect. JOSEPH A. WETMORE, Acting Supervising Architect.

REMOVAL NOTICE.

MYRON SPRINGER & Co., Alameda County Agents for the Humphrey Co. Automatic Water Heaters, have removed to 1776 Broadway, Oakland. Telephone No. Oakland 597.

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ADVANCE NEWS

Classified according to Location

SAN FRANCISCO.

RESIDENCE—2 story and base, frame, \$3,000. San Francisco. Architect, none. Owner, William Nolan, 1682 Ellis street, S. F. The dwelling will be erected on the west line of 18th avenue north of Anza, and has been designed to contain seven rooms, bath and sleeping porch. Interior finish will be of pine and hardwood with some white enamel. Hardwood floors will be used in the living room, dining room and reception hall. There will be furnace heat and open fire places. Mantels will be of tile or brick. Imitation tile wainscot will be used in the bath room. Automatic water heater is specified and will be furnished by the owner. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor. Materials are now being purchased.

RESIDENCE—2 story and base, frame, \$5,000. Truckee, Nevada Co., Cal. Architect, Walter D. Reed, Oakland Bank of Savings Bldg., Oakland. Owner, E. J. Henderson, First National Bank Bldg., Oakland. The dwelling will contain seven rooms and bath. Interior will be finished in pine and redwood. Hardwood floors will be used in the living room, dining room and reception hall. There will be furnace heat and open fire places. Mantels will be of brick and stone. Tile wainscot will be used in the bath room. An automatic water heater will be installed. Exterior of the dwelling will be covered with rustic and shingles. Plans are complete and the work will be done by Day Labor.

CITY HALL SANITARY FURNITURE—Cost not stated. San Francisco. Architects, Bakewell & Brown, 251 Kearny street, S. F. Owners, City and County of San Francisco. Bids were opened at the last meeting of the Board of Public Works for furnishing and installing sanitary furniture in the new City Hall. Bids were taken for this work on six separate propositions. No contract has been awarded. A complete list of the bids submitted will be found under the heading of San Francisco in this issue.

CITY HALL VAULT WORK—Cost not stated. San Francisco. Architects, Bakewell & Brown, 251 Kearny street, S. F. Owners, City and County of San Francisco. Bids opened at the last meeting of the Board of Public Works for the special vault work for the new City Hall show the Herring-Hall Co. low on their bid of \$22,533. The contract has not been awarded. A complete list of the bids submitted for the work will be found under the heading of San Francisco in this issue.

CONVENT SCHOOL—3 story and base, frame and plaster, \$15,000. San Francisco. Architects, Welsh & Carey, Merchants' National Bank Bldg., S. F. Owners, Helpers of the Holy Soul. The

building will be erected on the grounds of the present institution at the corner of Haight and Laguna streets. Interior will be arranged for class rooms and dormitories, and will be finished in pine and redwood. Some maple floors will be used. There will be a central heating system, hot water supply and modern plumbing. Exterior of the building will be covered with cement plaster on metal lath. Plans are complete and figures are being taken.

FACTORY—4 story and base, reinforced concrete, \$200,000. San Francisco. Architect, Charles Peter Weeks, Mutual Bank Bldg., S. F. Owners, John Bollman Co. The building will be erected at the corner of 4th and Brannan streets, and will cover a large area. Construction will be fireproof throughout with reinforced concrete walls, floors and roof slabs. Interior partitions will be of hollow tile. There will be freight elevators and special conveying machinery. Interior finish will be of pine. Hollow tile interior partitions are specified. The plans provide for steam heat. Metal window sash and frames are specified. Exterior of the building will be faced with cement plaster. Plans are now being prepared. Further mention will be made of the work.

LAUNDRY—2 story and base, frame, \$5,500. San Francisco. Architect, Albert L. Lapachet, 110 Sutter street, S. F. Owner, P. Esperance. The building will be erected on Railroad avenue, and has been designed for a laundry on the first floor and living apartments above. Interior will be finished in pine. There will be a considerable amount of special laundry machinery. Exterior of the building will be covered with shiplap and cement plaster. Plans are complete and figures are being taken.

MACHINE SHOP—Hollow tile, \$5,592. San Francisco. Architect, O. R. Thayer, 26 Montgomery street, S. F. Owners, D. Breslauer Estate Co. Contractor, L. A. Hinson, 180 Jessie street, S. F. Contract price, \$5,592.

FLATS—2 story and base, frame, \$3,000. San Francisco. Architect, none. Owner, George W. Renish, 1781 9th avenue. The building will be erected on the west side of Ritch street, north of Brannan, and has been designed to contain two flats of five rooms each. Interior will be finished in pine. There will be open fire places in the living rooms. Some oak floors are specified. Bath rooms will have imitation tile wainscot. Exterior of the building will be covered with shiplap. Plans are complete and in the hands of the owner who will do the work by Day Labor.

GARAGE—2 story and base, brick and steel, \$11,000. San Francisco. Architect, none. Owners, Ernest & Panano, Italian Bank, S. F. The building will be erected on the east side of 11th street south of Market, and will

cover an area of 62½ by 137½ feet. Construction will be fireproof. There will be metal window sash and frames. Special machinery will be installed. Exterior of the building will be faced with stock brick. Plans are complete and in the hands of the owners who will do the work by Day Labor.

ELECTRIC POWER AND ICE PLANT—1 and 2 story, reinforced concrete. Cost not stated. Fort Huachuca, Ariz. Architect, Constructing Quartermaster, Capt. Walton, Fort Huachuca. Owners, United States Government. Bids were opened for this work under the segregated system and no authoritative statement has been received as to who is the lowest bidder as a whole. A complete list of the segregated figures appears under the heading of San Francisco in this issue. Parties interested in items not given under this heading can secure an official list of the bids received by applying at this office where a record is on file.

RESIDENCE—2 story and base, frame, \$2,500. San Francisco. Architect, none. Owner, F. Nelson, 30 Presidio Terrace, S. F. The dwelling will be erected on Irving street west of 30th avenue, and has been designed for a five-room house. Interior will be finished in pine with some redwood. Hardwood floors will be used in the living and dining rooms. There will be an open fire place and tile or brick mantel. An automatic water heater will be installed. Exterior of the house will be covered with rustic and cement plaster. Plans are complete and in the hands of the owner who will do the work by Day Labor. Materials are now being purchased.

Contracts Awarded

WHARF PAVING AND SIDE APRONS—\$4,800 and \$13,000. San Francisco. Engineer, Assistant State Engineer, Newman, Ferry Bldg., S. F. Owners, State of California. Contractors, Rolph-Mills Co., wood block paving on Pier No. 24. Contract price, \$4,800. Healy-Tibbitts Construction Co., side aprons on Piers Nos. 6, 7 and 8. Contract price, \$13,000.

ENGINEERING MEETINGS IN SAN FRANCISCO.

The twenty-eighth general meeting of the American Electrochemical Society will be held in San Francisco September 16 to 18. The American Society of Civil Engineers, the American Society of Mechanical Engineers, the American Institute of Electrical Engineers and the American Institute of Mining Engineers expect to hold their meetings at the same time and arrangements are under way for joint sessions with some of these societies. The holding of this meeting immediately before the date for the International Engineering Congress, September 20 to 25, will also enable the

members to attend the sessions of the Congress. All inquiries in regard to transportation should be addressed to J. M. Muir, 239 West 39th street, New York, chairman of the transportation committee.

City Bids Opened

Board of Public Works Receives Figures for Sanitary Furniture and Vault Work in City Hall.

Bids were opened at the Wednesday afternoon meeting of the Board of Public Works for furnishing and installing sanitary furniture in the new City Hall. Following is a complete list of the bids as opened:

Sanitary Furniture.

A. J. Forbes & Son—(a) \$26,312; (b) \$27,191; (c) \$42,538; (d) —; (e) \$53,503; (f) \$96,041

Capitol Sheet Metal Works—(d) \$15,228.

L. & E. Emanuel—(a) \$23,297; (b) \$23,245; (c) \$31,958; (e) \$46,295; (f) \$77,995.

Fink & Schindler Co.—(a) \$21,950; (b) \$24,590; (c) \$39,400; (e) \$46,400; (f) \$85,700.

William Bateman—(a) \$25,479; (b) \$27,083; (c) \$40,122; (e) \$52,562; (f) \$92,684.

Pacific Mfg. Co.—(a) \$29,101; (b) \$32,974; (c) \$51,628; (e) \$61,530; (f) \$112,493.

Brandlein & Co.—(a) \$19,990; (b) \$21,200; (e) \$41,190.

Vault Work, City Hall.

M. G. West.....\$24,315
Herring-Hall Co. 22,593
Pennington - Sherman 23,994
Ralston Iron Works..... 23,600

Open Bids For Harbor Work.

State Board of Harbor Commissioners Award Contracts For Wood Block Paving and Side Aprons.

Bids were opened by the State Board of Harbor Commissioners at their regular Thursday meeting for wood block paving on Pier No. 24 and awarded the contract to Rolph-Mills Co. on their bid of \$4,800. Bids were also opened for side aprons on Piers 6, 7 and 8. The Healy Tibbitts Construction Co. was awarded the contract on their bid of \$13,000. Following is a complete list of the bids opened:

Side Aprons.

Healy Tibbitts Constr. Co...\$13,000
Thomson Bridge Co..... 15,340
Vulcan Iron Works..... 17,383
Josiah Hendry Iron Works.. 16,010

Wood Block Paving.

Rolph-Mills Co.\$4,800
Pacific Creosoting Co..... 5,000

At the same meeting specifications were approved and the Secretary of the Board was ordered to advertise for bids for the removal of the old car ferry slips at the foot of Lombard street. Bids will also be called for shortly for repairs to Pier No. 11 and for the construction of the viaduct over Market street at the Ferry. Specifications for the latter work have been returned from Sacramento with the approval of the State Advisory Board.

Many Local Firms Figure Arizona Work.

San Francisco Contractors Make Excellent Showing on Big Work at Fort Huachuca, Arizona.

A large number of figures were received by Captain Walton, Constructing Quartermaster at Fort Huachuca,

Ariz., on June 9th for the construction of an electric power and ice plant at that post. From a complete list of figures, unit prices and time limits received, H. S. Tittle appears to have presented the lowest bid for the entire work. No award has been made. Following is a list of the figures received on the most important items. Firms interested in unit prices or in figures on parts of the work not given below can secure the official figures by calling at this office.

Item No. 1.

Bidder	"A" Building	"B" Omit boiler room
Thomas Haverty, Los Angeles.....	\$25,250.00	\$2,314.00
Roy & Titcomb, Nogales, Ariz.....	23,063.97	2,660.45
The Turner Co., San Francisco.....	26,150.00	1,400.00
Pringle, Dunn & Co., San Francisco.....	26,795.00	.....
H. S. Tittle, San Francisco.....	22,650.00	3,700.00

Item No. 2, Concrete Stack.

"A" Building	"B" Omit Boiler Room
The Turner Co., S. F.....\$7,570	H. S. Tittle, S. F..... 6,300

Item No. 3, Crane.

Roy & Titcomb, Nogales, Ariz.....	\$1,137	
Benj. B. Dubinski, El Paso.....	1,050	\$1,200
Charles C. Moore Co., S. F.....	2,031	
The Turner Co., S. F.....	2,140	
Terry Eng. & Machinery Co., L. A.....	939	
H. S. Tittle, S. F.....	3,170	

Item No. 4, Boilers.

Thomas Haverty, Los Angeles.....	\$17,375		
Charles C. Moore & Co., S. F.....	14,607	\$16,926	
The Turner Co., S. F.....	12,240	15,510	\$16,800
W. B. Perry Electric Co., Brooklyn, N. Y.....	15,428.78		
S. T. Johnson Co., S. F.....	14,059		
Terry Eng. & Machinery Co., Los Angeles.....	13,808		

Item No. 5, Engines.

Bidder	Corliss	Uniflow
Thomas Haverty Co., Los Angeles.....	.....	\$7,480—8,350
Charles C. Moore & Co., S. F.....	\$ 8,063	
The Turner Co., S. F.....	10,400	10,900—9,000
W. B. Perry Electric Co., Brooklyn, N. Y.....	7,378.93	
Terry Eng. & Mach. Co., L. A.....	5,925	
R. E. Huthsteiner, El Paso.....	9,320—\$7,388	
Ridgway Dynamo & Eng. Co., Ridgway, Penn.....	6,100	
McIntosh & Seymour Co., Auburn, N. Y.....	7,150	

Item No. 6, Alternate Motors.

Thomas Haverty Co., Los Angeles.....	\$3,030
Charles C. Moore & Co., S. F.....	3,152
The Turner Co., S. F.....	3,520
W. B. Perry Electric Co., Brooklyn, N. Y.....	3,929.71
S. T. Johnson Co., S. F.....	4,100
Terry Eng. & Mach. Co., L. A.....	2,659—\$3,009
R. E. Huthsteiner, El Paso.....	3,787
Ridgway Dynamo & Eng. Co., Ridgway, Penn.....	3,228

Item No. 7, Piping.

Thomas Haverty Co., Los Angeles.....	\$8,900
Charles C. Moore & Co., S. F.....	7,054
The Turner Co., S. F.....	7,960
W. B. Perry Electric Co., Brooklyn, N. Y.....	4,954.01
Terry Eng. & Mach. Co., L. A.....	9,550

Item No. 8, Switchboards.

Thomas Haverty Co., Los Angeles.....	\$5,025
Roy & Titcomb, Nogales, Ariz.....	5,423.70
Benj. B. Dubinski, El Paso.....	4,200
Charles C. Moore & Co., S. F.....	4,820
The Turner Co., S. F.....	8,500
W. B. Perry Electric Co., Brooklyn, N. Y.....	5,620.41
F. E. Newberry Elect. Co., St Louis, Mo.....	3,920
R. E. Huthsteiner, El Paso.....	5,385
Russell Electric & Mach. Co., Tucson, Ariz.....	6,100
National Tel. & Supply Co., El Paso.....	4,250
H. S. Tittle, S. F.....	5,500

Item No. 9, Ice Machinery.

Bidder	Ice Machinery	Alt. Steam
Roy & Titcomb, Nogales, Ariz.....	\$13,100.00	\$14,300.00
York-California Construction Co., S. F.....	13,470.00	13,000.00
The Turner Co., S. F.....	12,970.00	12,515.00
W. B. Perry Electric Co., Brooklyn, N. Y.....	17,759.41	17,172.41
The Vilter Mfg. Co., Milwaukee, Wis.....	13,100.00	14,300.00
Mayer Ice Mach. & Eng., Co., Jersey City, N. J.....	11,700.00	.....

Item No. 10, Diesel Engine.

Roy & Titcomb, Nogales, (a) \$32,135;	S. T. Johnson Co., S. F., (h) \$28,423.
(b) \$26,900; (c) \$26,125.	R. E. Huthsteiner, El Paso, (e) \$23,750; (c) \$30,450; (b) \$32,825.
Benj. B. Dubinski, El Paso, (e) \$23,750;	National Tel. & Supply Co., El Paso, (e) and (d) \$23,800.
(e) \$23,800; (d) \$25,000.	H. S. Tittle, S. F., (h) \$27,750; (c) \$28,450; (b) \$28,700; (b) \$28,800.
The Turner Co., S. F., (b) \$29,240;	McIntosh & Seymour Co., Auburn, N. Y., (e) \$23,800.
(c) \$35,080.	
W. B. Perry Elect. Co., Brooklyn, N. Y., \$33,611.22.	
New London Ship & Eng. Co., Groton, Conn., (f) \$19,757; (g) \$21,585.	

Item No. 11, Electric Fixtures.

Roy & Titcomb, Nogales.....	\$5,285
Benj. B. Dubinski, El Paso.....	3,650
Roberts Mfg. Co., S. F.....	4,075
W. B. Perry Electric Co., Brooklyn, N. Y.....	6,410.22
Gross-Chandler Co., St. Louis, Mo.....	3,544
F. E. Newberry Electric Co., St. Louis, Mo.....	3,650
A. E. Mantell, S. F.....	5,300
Thomas Day Co., S. F.....	3,896
McFell Electric Co., S. F.....	3,842
Herman Andrae Electric Co., Milwaukee Wis.....	3,590
National Tel. & Supply Co., El Paso.....	4,200
H. S. Tittle, S. F.....	4,000

Item No. 12, Meters.

Thomas Haverly Co., Los Angeles.....	\$2,270
Roy & Titcomb, Nogales.....	1,897.20
Benj. B. Dubinski, El Paso.....	1,800
W. B. Perry Electric Co., Brooklyn, N. Y.....	2,052.20
Herman Andrae Elec. Co., Milwaukee.....	1,890
R. E. Huthsteiner, El Paso.....	2,460
Russell Elect. & Mach. Co., Tucson.....	1,853
National Tel. & Supply Co., El Paso.....	1,833
H. S. Tittle, S. F.....	1,560

Item 13, Wiring.

Roy & Titcomb, Nogales.....	\$26,826.50
Benj. B. Dubinski, El Paso.....	33,000
The Turner Co., S. F.....	26,850
W. B. Perry Electric Co., Brooklyn, N. Y.....	22,537.43
F. E. Newberry Electric Co., St. Louis, Mo.....	23,410
McFell Electric Co., S. F.....	26,280
Herman Andrae Elec. Co., Milwaukee.....	26,000
Russell Elect. & Mach. Co., Tucson.....	31,260
National Tel. & Supply Co., El Paso.....	21,500
H. S. Tittle, S. F.....	21,200

Building Contracts Awarded

San Francisco

No.	Owner.	Contractor	Amt.
1748	Castell	Castell	1600
1749	Church	Church	700
1750	Phelan	Anderson	400
1751	Bookbinder	Speidel	400
1752	Squires	Morris	400
1753	Murphy	Murphy	400
1754	Stacker	Stacker	1000
1755	Welsh	Welsh	3000
1756	Johnston	Johnston	400
1757	Ernst	Panario	11000
1758	Johnson	Johnson	2900
1759	Harbor Whse	Owned	30000
1760	Bauchau	Osteroero	2400
1761	Parsons	McGowan	5366
1762	P. P. I. E.	Strehlow	9020
1763	Musto	Turner	1535
1764	Clot	Spitz	1169
1765	Somers	Larsen	23600
1766	Bagdonoff	Rudometini	1500
1767	Hasselbrock	Klahn	2050
1768	Lynch	McColgan	3500
1769	Johansen	Kembell	1700
1770	Stafford	Delaney	6000
1771	Olcovich	Fernbach	4000
1772	Hupp	Leigh	2500
1773	Bollier	McLellan	3000
1774	Laventritt	Campbell	500
1775	Baummann	Baummann	400
1776	Wilkins	Dahlberg	4600
1777	Ritty & Rebidg.	Tittle	2281
1778	MacArthur	MacArthur	2000
1779	Same	Same	2000
1780	Same	Same	2000
1781	Same	Same	2000
1782	Emery	Emery	1000
1783	Peyser	Peyser	1950
1784	Arata	Arata	1350
1785	Rench	Rench	3600
1786	Renish	Renish	2600
1787	Potter	Johnson	10648
1788	Lennon	Fletcher	10868
1789	McCann	Schroder	1555
1790	Same	Schroder	1595

1791	Same	Schroder	2095
1792	Same	Schroder	1647
1793	Welsh	Welsh	6000
1794	Arnke	Mager	4062
1795	Nolan	Nolan	2950
1796	Todhunter	Todhunter	2700
1797	Thompson	Owner	700
1798	Newman	Newman	1000
1799	Gullmes	Gullmes	1500
1800	Brown	Brown	700
1801	Payne	Payne	35000
1802	Harmolitz	Mudrick	400
1803	Casey	Holm	1000
1804	Nelson	Nelson	2500
1805	Olcovich	Olcovich	2000
1806	Biltmore	Peterson	9797
1807	Kowalsky	Henderson	47881
1808	Craemer	Petersen	2200
1809	Same	Koldenstrodt	2765

FRAME DWELLING

(1748) E LISBON 100 S Russia. One and one-half-story and basement frame dwelling.

Owner.....G. J. Castell, 521 Lisbon, San Francisco.

Architect...None.

Day's work. COST, \$1600

ADDITION

(1749) S GOLDEN GATE AVE 130 W Steiner. Add annex for meeting room

Owner.....First U. P. Church.

Architect...None.

Day's work. COST, \$700

ALTERATIONS

(1750) NW TWENTY-FIRST AND Valencia. Alter front.

Owner.....Phelan Estate, 806 Market, San Francisco.

Architect...C. O. Clausen, 1031 Hearst

Bldg., San Francisco.

Contractor...Anderson.

COST, \$400

ADDITION

(1751) NO. 151 WAYLAND. Add two rooms to dwelling.

Owner.....Ethel Bookbinder, Prem.

Architect...None.

Contractor...P. F. Speidel, 110 Jessie, San Francisco.

COST, \$400

REPAIRS

(1752) NW EVANS AND RAIL ROAD. Repair and erect foundation.

Owner.....Fred Squires, 373 Frederick, San Francisco.

Architect...None.

Contractor...R. H. Morris, 1454 Newcombe Ave., S. F.

COST, \$400

ALTERATIONS

(1753) NO. 1272 DE HARO. Raise and underpin dwelling.

Owner.....Mrs. J. F. Murphy, 2125 24th, San Francisco.

House Raiser...A. Pearson, 2672 Bryant, San Francisco.

Contractor...C. F. Murphy, 2125 24th, San Francisco.

COST, \$400

FRAME DWELLING

(1754) E LISBON 100 N Avalon. One-story frame dwelling.

Owner.....John Stacker, 2146 Edinburgh, San Francisco.

Architect...None.

Day's work. COST, \$1000

FRAME DWELLING

(1755) W EIGHTEENTH AVE 200 S Anza. Two-story and basement frame dwelling.

Owner.....James Welsh, 2442 20th Ave., San Francisco.

Architect...None.

Day's work. COST, \$3000

FRAME STABLE

(1756) W TWENTY-SEVENTH AVE 100 S Lawton. One-story frame stable.

Owner.....J. W. Johnston, 164 Royce, San Francisco.

Architect...None.

Day's work. COST, \$400

BRICK GARAGE

(1757) E ELEVENTH 137-6 S Market. Two-story brick private garage.

Owner.....Ernst & Panario, 244 Kearny, San Francisco.

Architect...None.

Day's work. COST, \$11,000

FRAME DWELLING

(1758) W SEVENTEENTH AVE 53 N Clement. Two-story and basement frame dwelling.

Owner.....Johnson & Johnson, 818 14th, San Francisco.

Architect...None.

Day's work. COST, \$2900

BRICK WAREHOUSE

(1759) NW BAY AND KEARNY. Two-story brick warehouse.

Owner.....Harbor Warehouse Co., North Point & Kearny, San Francisco.

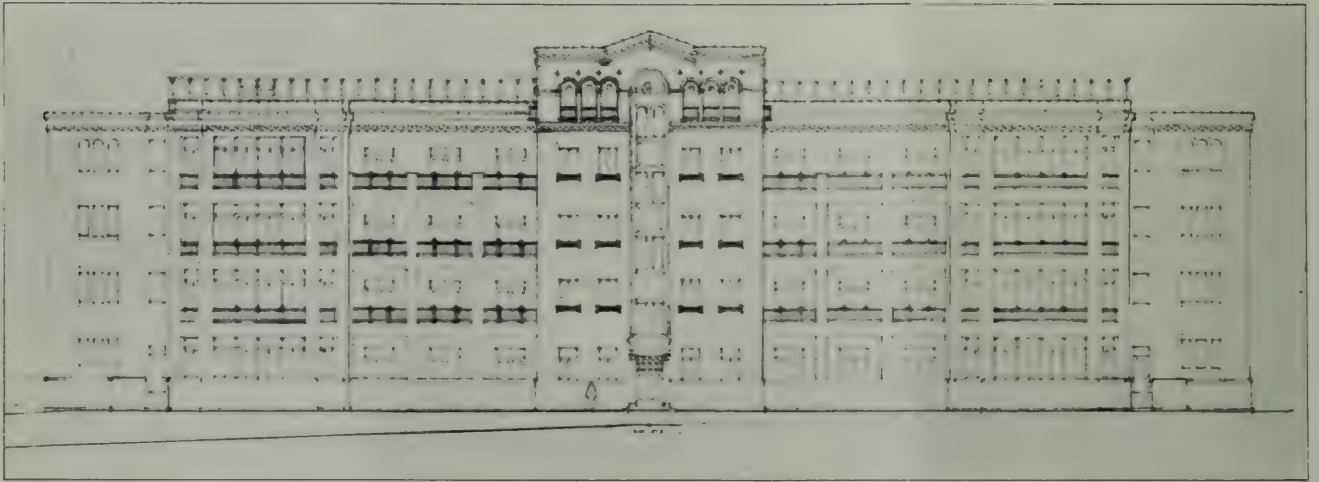
Supt.....Henry T. Grieb, 1020 Greenwich, San Francisco.

Day's work. COST, \$30,000

PART A	TOP OF 1ST FLOOR TO TOP OF ROOF	29922	CUB. FT.
"	" FIRE WALLS	297	" "
"	B TOP OF 1ST FLOOR TO TOP OF ROOF	295554	" "
"	" FIRE WALLS	1887	" "
"	C PORCH	13284	" "
"	D PORCH	7108	" "
"	E TOP OF 1ST FLOOR TO TOP OF ROOF	121448	" "
"	" FIRE WALLS	548	" "
"	" BASEMENT CORRIDORS		" "
"	" STAIRS & ELEVATORS ETC.	9900	" "
"	" ENTRANCE, PROJECTIONS, STEPS	100	" "
"	F TOP OF 1ST FLOOR TO TOP OF ROOF	331306	" "
"	" FIRE WALLS	1817	" "
"	G PORCH	7108	" "
"	H TOP OF 1ST FLOOR TO TOP OF ROOF	29922	" "
"	" FIRE WALLS	297	" "
"	I TOP OF 1ST FLOOR TO TOP OF ROOF	222697	" "
"	" FIRE WALLS	1672	" "
"	J ROOF GARDEN HOUSE	11340	" "
"	" " " " FIRE WALLS	396	" "
"	" BASEM. CORRIDORS, STAIRS		
"	" ELEVATORS & WOMENS DINING RM.	32911	" "
"	" ENTRANCE, PROJECTIONS, STEPS	100	" "
"	K FLOOR TO TOP OF ROOF	26246	" "
"	" FIRE WALLS	520	" "
"	L FLOOR TO TOP OF ROOF	41261	" "
"	" FIRE WALLS	1533	" "
"	M TUNNEL	8999	" "
TOTAL :		1,198,173	" "
COST: 1,198,173 CUB. FT. x 33 CENTS = \$395,397 ⁷³ / ₁₀₀			

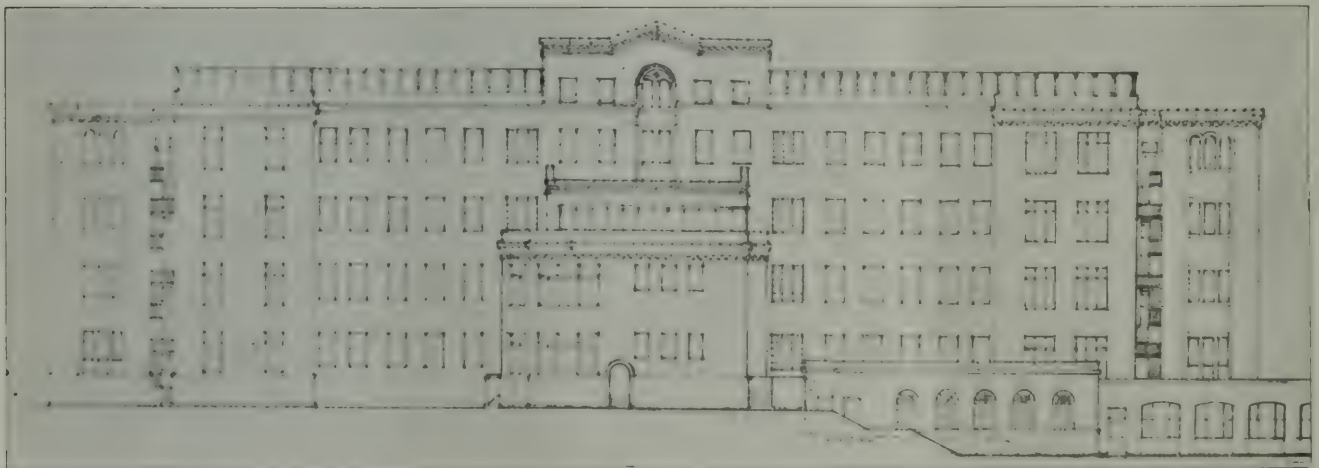
COMPETITION FOR SOUTHEAST WING SAN FRANCISCO HOSPITAL.

Table of Cubic Contents.



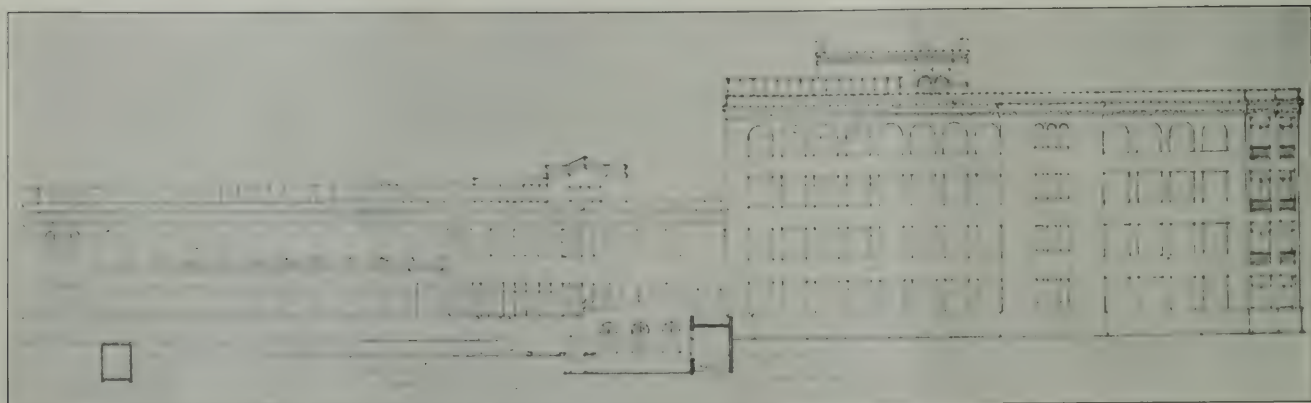
COMPETITION FOR SOUTHEAST WING SAN FRANCISCO HOSPITAL.

South Elevation.



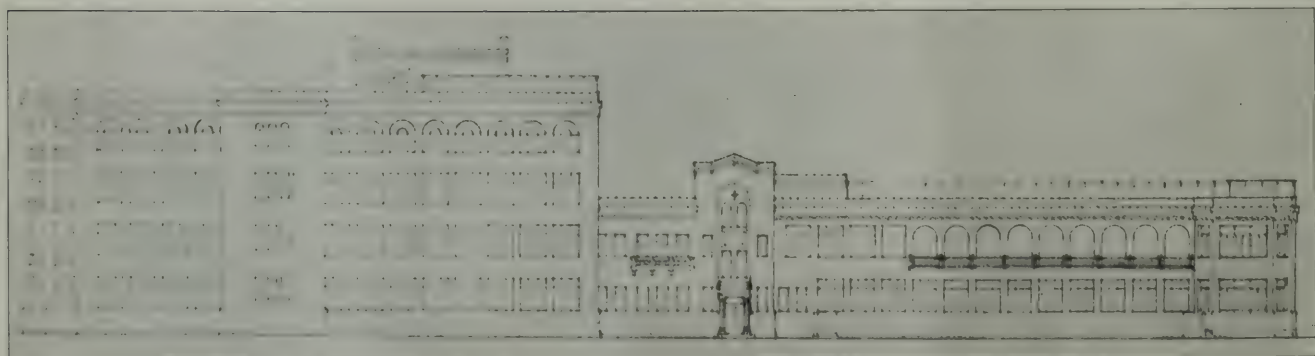
COMPETITION FOR SOUTHEAST WING SAN FRANCISCO HOSPITAL.

North Elevation.



COMPETITION FOR SOUTHEAST WING SAN FRANCISCO HOSPITAL.

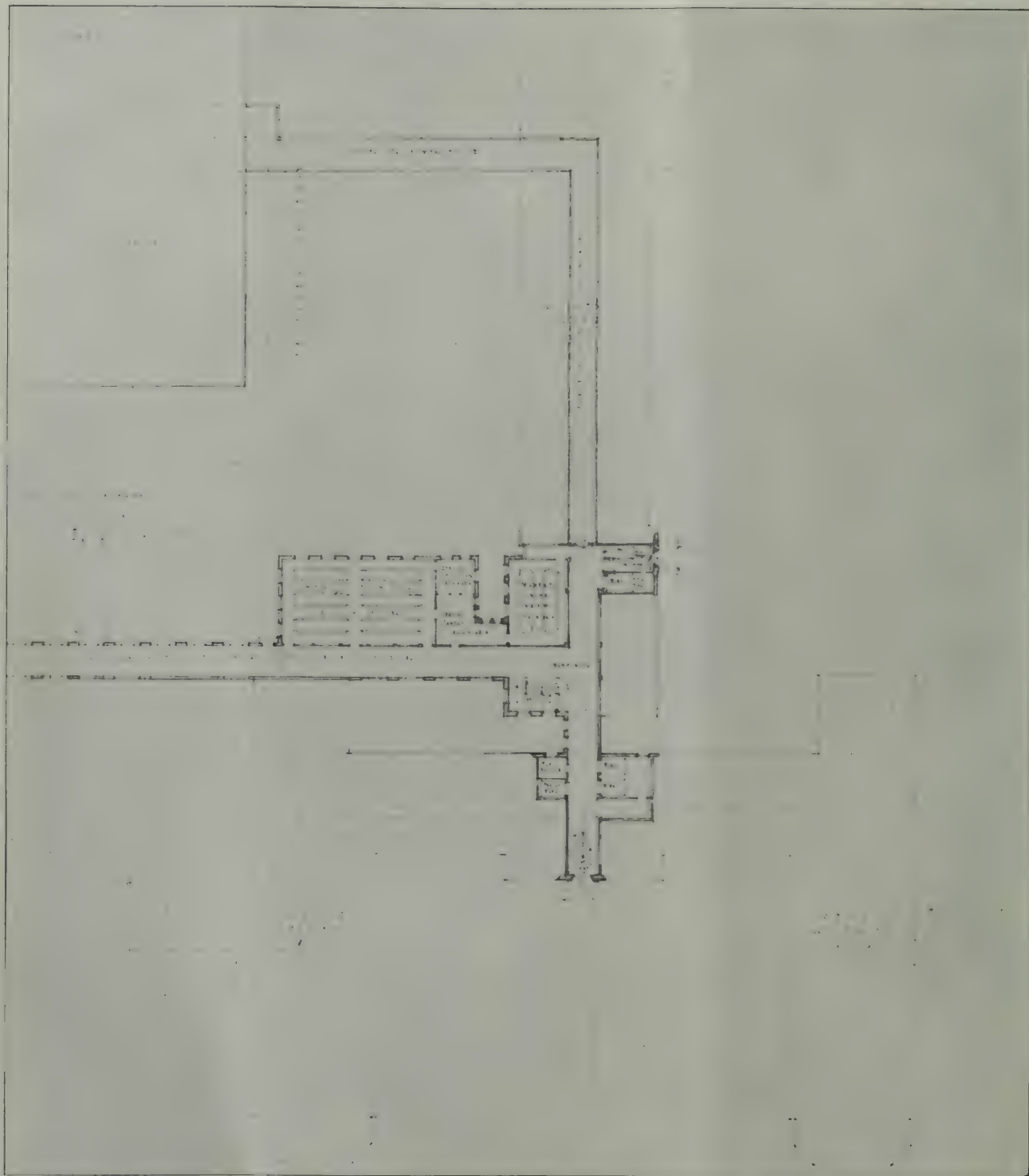
East Elevation.



COMPETITION FOR SOUTHEAST WING SAN FRANCISCO HOSPITAL.

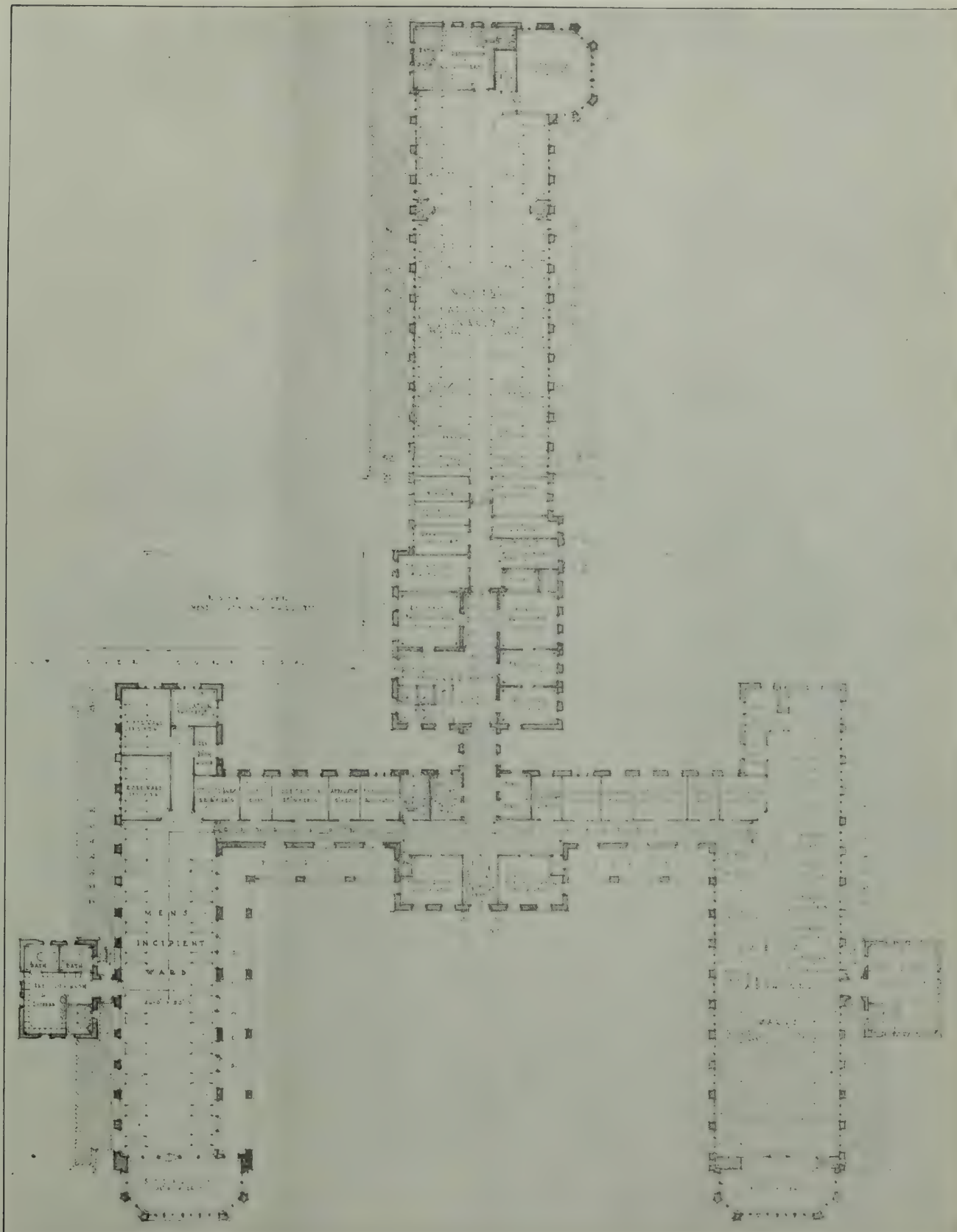
West Elevation.

Accepted Design by Hermann Barth, Architect,
San Francisco.

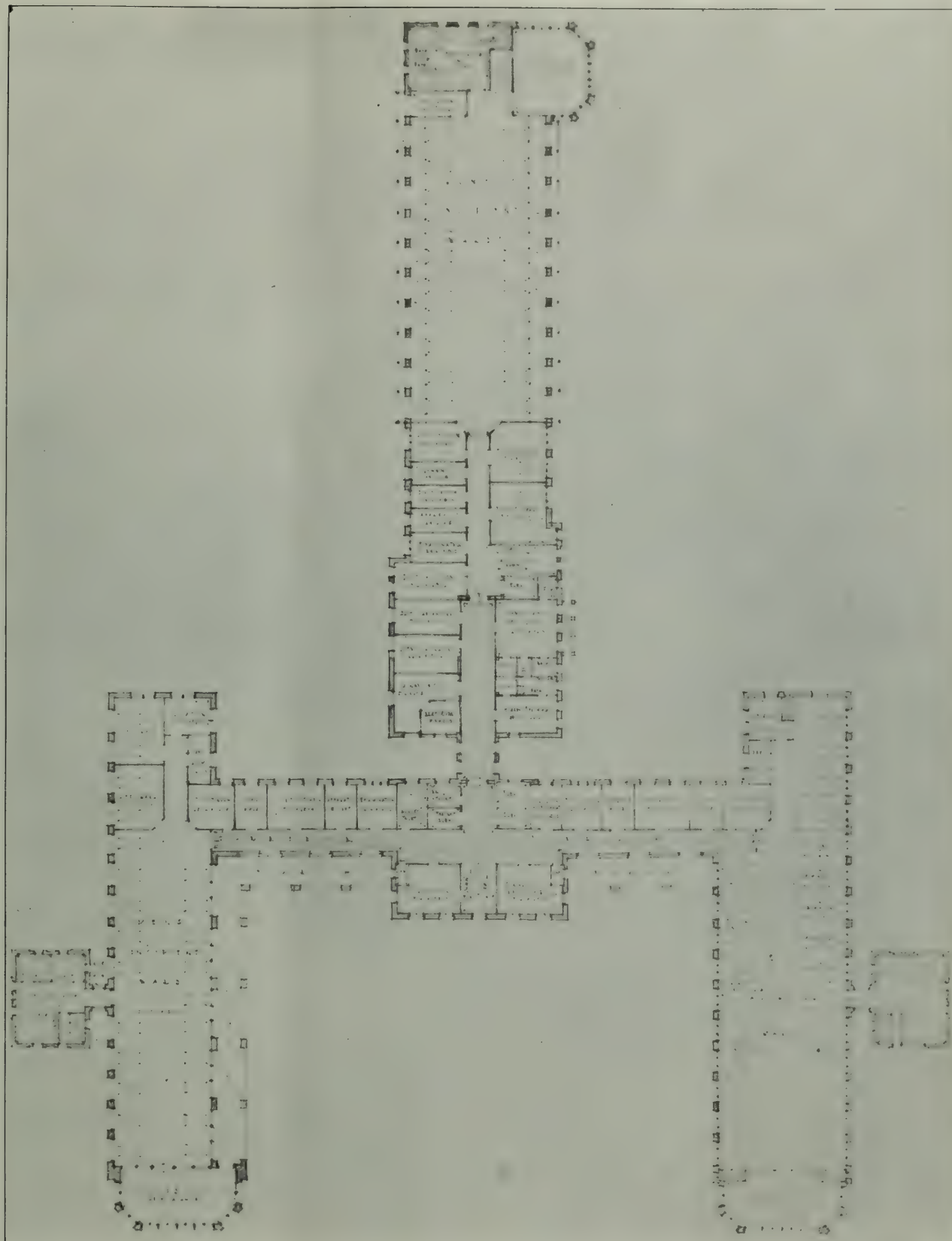


COMPETITION FOR SOUTHEAST WING SAN FRANCISCO HOSPITAL.
Ground Floor Plan.

Accepted Design by Hermann Barth, Architect,
San Francisco.



COMPETITION FOR SOUTHEAST WING SAN FRANCISCO HOSPITAL.
First Floor Plan.

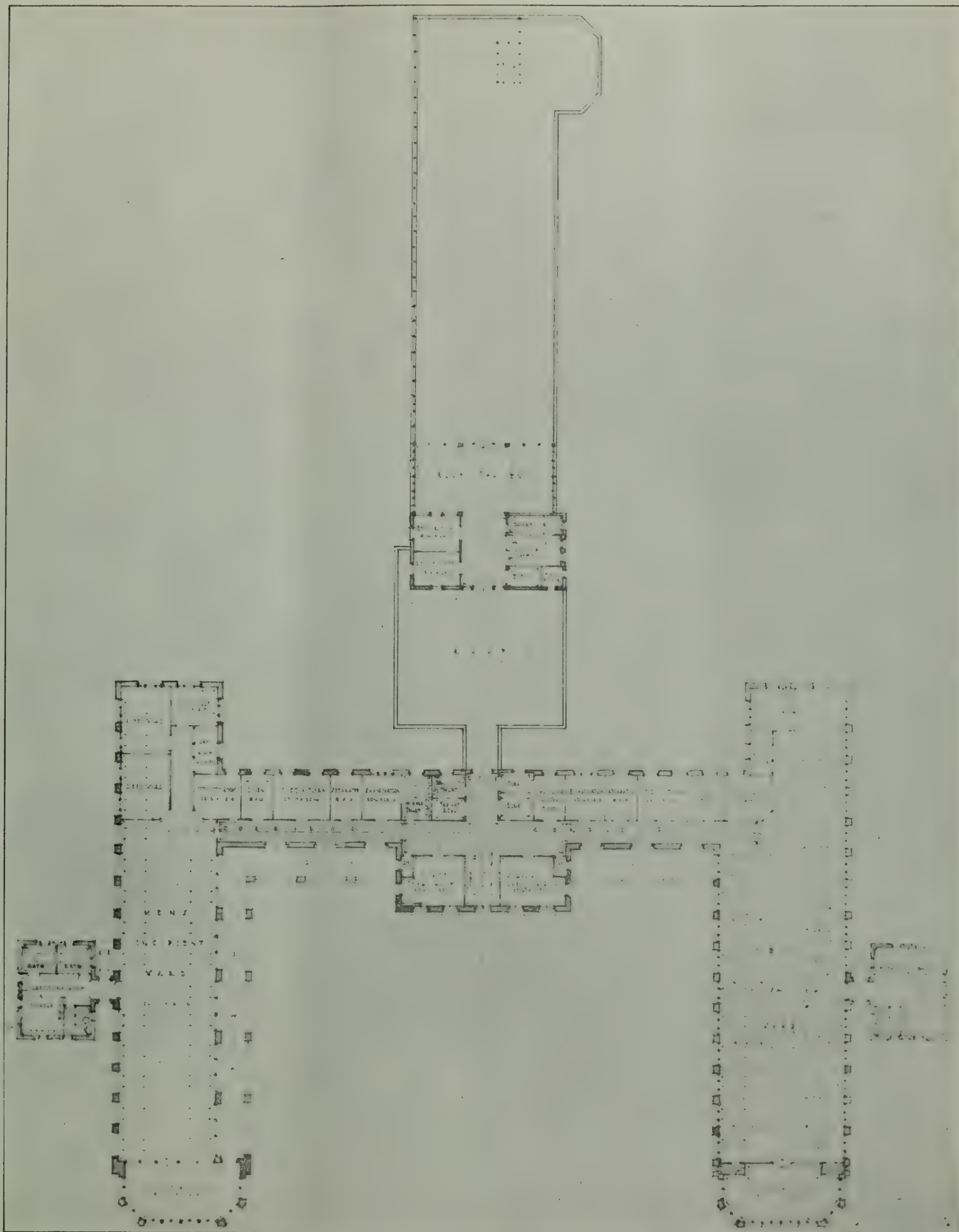


COMPETITION FOR SOUTHEAST WING SAN FRANCISCO HOSPITAL.
Second Floor Plan.

Building and Engineering News,
June 23, 1915.

Accepted Design by Hermann Barth, Architect,
San Francisco.

Plate F



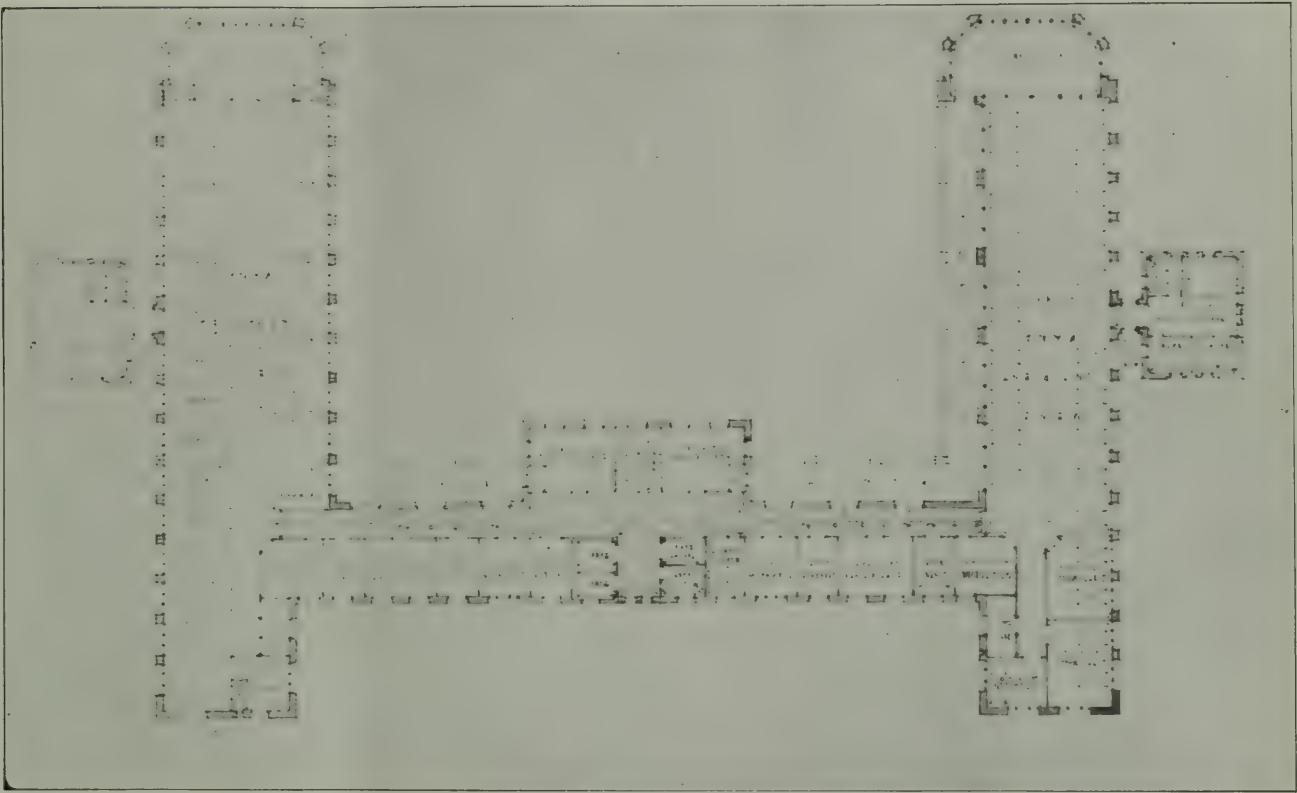
COMPETITION FOR SOUTHEAST WING SAN FRANCISCO HOSPITAL.

Third Floor Plan.

Building and Engineering News,
June 23, 1915.

Accepted Design by Hermann Barth, Architect,
San Francisco.

Plate G



COMPETITION FOR SOUTHEAST WING SAN FRANCISCO HOSPITAL.
Fourth Floor Plan.

Accepted Design by Hermann Barth, Architect,
San Francisco.

FRAME RESIDENCE

(1760) NE EGBERT AVE 250 SE Hawes SE 50xNE 100. All work for one and one-half-story frame residence.

Owner.....Raymond and Honorine Bauchou.

Architect...None.

Contractor..Michele Ostorero, 1887 Palou Ave., San Francisco

Filed June 12, '15. Dated June 11, '15.

Frame up and roof on.....\$600

Rough plaster on..... 600

Completed and accepted..... 600

Usual 35 days..... 600

TOTAL COST, \$2400

Bond, none. Limit, 80 days. Forfeit, none. Plans and specifications filed.

CLASS "C" BUILDING

(1761) E BEALE 137-6 N Mission 91.8 x137.6. Excavating, grading, piling, etc., for three-story and basement Class "C" building.

Owner.....S. S. Parsons.

Architect...Wright & Rushforth, 354 Pine, San Francisco.

Contractor..McGowan & Butler, 180 Jessie, San Francisco.

Filed June 12, '15. Dated June 10, '15.

Piles driven\$2000.00

Completed and accepted..... 2025.00

Usual 35 days..... 1341.70

TOTAL COST, \$5366.00

Bond, \$2700. Surety, The Aetna Accident & Liability Co. Limit, 40 days from June 10. Forfeit, \$7.50. Plans and specifications filed.

ALTERATIONS

(1762) BLOCK BDED BY BEACH, Polk, North Point and Van Ness Ave. All work for alterations to Fontana warehouse.

Owner.....Panama-Pacific International Exposition Company.

Architect...None.

Contractor..Strehlow, Freese & Peterson, Exposition Site, S. F.

Filed June 12, '15. Dated May 28, '15.

As work progresses..... 75%

Usual 35 days..... 25%

TOTAL COST, \$9020

Bond, \$5000. Surety, Pacific Coast Casualty Co. Limit, 30 days. Forfeit, \$25. Plans and specifications filed.

FRAME RESIDENCE

(1763) NW VALLEJO & DIVISADERO Heating and ventilating for three-story frame residence.

Owner.....Marie A. Musto.

Architect...Henry C. Smith, Humboldt Bank Bldg., S. F.

Contractor..The Turner Co., 278 Natoma, San Francisco.

Filed June 14, '15. Dated June 11, '15.

Roughing in completed.....\$535

Completed and accepted..... 615

Usual 35 days..... 385

TOTAL COST, \$1535

Bond, \$770. Sureties, N. M. Hope and W. F. Hughes. Limit, 90 days after June 12. Forfeit, \$5. Plans and specifications filed.

FRAME COTTAGE

(1764) E EUREKA 125 S 18th S 25xE 125. All work except painting, plumbing, finish hardware, shades and chandeliers for one-story and basement frame cottage in rear.

Owner.....Sallie Clot, 129 Eureka, San Francisco.

Architect...J. A. Porporato, 619 Washington, San Francisco.

Contractor..Gustave Spirz, 232-A

Langton, San Francisco.

Filed June 14, '15. Dated June 10, '15.

Rough frame up.....\$200

Brown coated 250

Completed and accepted..... 300

Usual 35 days..... 419

TOTAL COST, \$1169

Bond, \$1169. Surety, Maryland Casualty Co. Limit, 75 days. Forfeit, \$2. Plans and specifications filed.

BRICK STORES

(1765) SE PAGE AND GOUGH E 165-2½xS 120. All work for one-story and basement brick stores.

Owner.....Dr. George B. Somers, 2662 Vallejo, S. F.

Plans and specifications by Clarence A. Tantau, Agent, Care Bakerwell & Brown, 251 Kearny, San Francisco.

Contractor..Larsen-Sampson Company, Crocker Bldg., S. F.

Filed June 14, '15. Dated June 11, '15.

Installments on 15th of each

month of 75%

Usual 35 days..... 25%

TOTAL COST, \$23,600

Bond, \$11,800. Surety, Chicago Bonding & Insurance Co. Limit, none. Forfeit, \$20. Plans and specifications filed.

FRAME DWELLING

(1766) W WISCONSIN 225 S Twenty-second. One-story and basement frame dwelling.

Owner.....John Bogdonoff, 1033 De Haro, S. F.

Architect...W. J. Cuthbertson, 328 Montgomery, S. F.

Contractor..John Rudometini, 871 Rhode Island, S. F.

COST, \$1500

FRAME STORES

(1767) W MISSION 234 N 17th. One-story and basement frame stores.

Owner.....Wm. Hasselbrock, 5 Montgomery, San Francisco.

Architect...A. Klahn, 27 Chenery, San Francisco.

Contractor..A. Klahn & Son, 27 Chenery, San Francisco.

COST, \$2050

FRAME FLATS

(1768) SW GOLDEN GATE AVE AND Scott. Two-story and basement (2) frame flats.

Owner.....Mrs. P. Lynch, 469 Guerrero, San Francisco.

Architect...None.

Contractor..E. J. McColgan, 1721 McAllister, San Francisco.

COST, \$3500

FRAME COTTAGE

(1769) N TWENTY-FOURTH 202-6 E Douglass. All work for one-story and basement frame cottage.

Owner.....John A. Johanson.

Architect...None.

Contractor..Marks L. Kimball, 2629 Mission, San Francisco.

Filed June 15, '15. Dated June 14, '15.

Frame up\$437.50

Brown coated 437.50

Finished 437.50

Usual 35 days..... 437.50

TOTAL COST, \$1750.00

Bond, none. Limit, 60 days. Forfeit, none. Plans and specifications filed.

FRAME DWELLING

(1770) NE EUCLID AND PALM AVES. Two-story and basement frame dwlg.

Owner.....Dr. A. A. Stafford, 1908

Santa Clara Ave., Alameda.

Architect...A. W. Smith, 1010 Broadway, Oakland.

Contractor..Delaney & Randlett, 2303 Central Ave., Alameda.

COST, \$6000

ALTERATIONS

(1771) SE BAKER AND PINE. Alter, raise, move and add to flats.

Owner.....Julian H. Olcovich, Merchants National Bank Bldg., San Francisco.

Architect...None.

Contractor..Walter M. Fernbach, 46 Kearny, San Francisco.

COST, \$4000

FRAME RESIDENCE

(1772) E THIRTY-FIFTH AVE 225 S Geary S 25xE 120 O L 250. All work for two-story and basement frame residence.

Owner.....Ralph L. Hupp, 212 26th Ave., San Francisco.

Architect...None.

Contractor..Leigh & Schultz, 419 21st Ave., San Francisco.

Filed June 15, '15. Dated May 24, '15.

Walls up and roof on.....\$662.50

Brown coated 662.50

Completed and accepted..... 662.50

Usual 35 days..... 662.50

TOTAL COST, \$2650.00

Bond, \$1325. Surety, Fidelity & Deposit Co. of Maryland. Limit, 90 days. Forfeit, none. Plans and specifications filed.

FRAME DWELLING

(1773) E TENTH AVE 100 S Balboa.

Two-story and basement frame dwlg.

Owner.....Alice C. Bollier, 941 Jones, San Francisco.

Architect...None.

Contractor..McLellan & McLellan, 530 12th Ave., San Francisco.

COST, \$3000

REPAIRS

(1774) NO. 1335 FILLMORE. Repair fire damages.

Owner.....Marion Leventritt, N. Y.

Architect...None.

Contractor..Mark Campbell & Son, 787 McAllister, S. F.

COST, \$500

REPAIRS

(1775) NO. 3246 EIGHTEENTH. General repairs for dwelling.

Owner.....H. H. Baumann, 385 Shotwell, San Francisco.

Architect...None.

Day's work. COST, \$400

FRAME FLATS

(1776) E TENTH AVE 250 N Cabrillo E 120xs 25. All work for two-story and basement frame flats.

Owner.....Arthur E. Wilkens, Sharon Bldg., San Francisco.

Architect...None.

Contractor..A. Dahlberg, 3525 Sacramento, San Francisco.

Filed June 15, '15. Dated June 12, '15.

Frame up and roof boards on..\$1150

Brown coated 1150

Completed and accepted..... 1150

Usual 35 days..... 1150

TOTAL COST, \$4600

Bond, \$2300. Sureties, Jno. A. Renstrom and Eric Dahlberg. Limit, 70 days. Forfeit, none. Plans and specifications filed.

ALTERATIONS

(1777) BLK BDED BY FILLMORE, Eddy, Webster and Turk. Electrical work for alterations and additions to theatre.

Owner.....Realty & Rebuilding Co.

Architect...J. R. Miller, Lick Bldg., San Francisco.

Contractor..H. S. Tittle, 245 Minna, San Francisco.

Filed June 15, '15. Dated June 15, '15.

As work progresses..... 75%
Usual 35 days..... 25%

TOTAL COST, \$2231

Bond, \$1145.50. Surety, U. S. Fidelity & Guaranty Co. Limit, as directed. Forfeit, \$40. Plans and specifications filed.

FRAME DWELLING

(1778) W MILTON 175 S Bosworth.

Two-story and basement frame dwlg.

Owner.....MacArthur Bros., 1560 Fell, San Francisco.

Architect...None.

Day's work. COST, \$2000

FRAME DWELLING

(1779) W MILTON 150 S Bosworth.

Two-story and basement frame dwlg.

Owner.....MacArthur Bros., 1560 Fell, San Francisco.

Architect...None.

Day's work. COST, \$2000

FRAME DWELLING

(1780) W MILTON 125 S Bosworth.

Two-story and basement frame dwlg.

Owner.....MacArthur Bros., 1560 Fell, San Francisco.

Architect...None.

Day's work. COST, \$2000

FRAME DWELLING

(1781) W MILTON 100 S Bosworth.

Two-story and basement frame dwlg.

Owner.....MacArthur Bros., 1560 Fell, San Francisco.

Architect...None.

Day's work. COST, \$2000

FRAME DWELLING

(1782) SE MORSE 267 NE Lowell.

One-story and basement frame dwlg.

Owner.....Thos. J. Emery, 2528 Mission, San Francisco.

Architect...None.

Day's work. COST, \$1000

FRAME DWELLING

(1783) W TWENTY-SIXTH AVE 275 S

Taraval. One-story and basement frame dwelling.

Owner.....L. E. Peyser, 1242 47th Ave. San Francisco.

Architect...None.

Day's work. COST, \$1950

FRAME DWELLING

(1784) N BAUER 375 W Mission. One

and one-half-story and basement frame dwelling.

Owner.....D. Arata, 4564 Mission, San Francisco.

Architect...None.

Day's work. COST, \$1350

FRAME RESIDENCE

(1785) E ELEVENTH AVE 175 S

Balboa. Two-story and basement frame residence.

Owner.....M. C. Rench, 1427 5th Ave., San Francisco.

Architect...None.

Day's work. COST, \$3600

FRAME FLATS

(1786) W RITCH 225 N Brannan.

Two-story and basement frame (2) flats.

Owner.....Geo. W. Renish, 1781 9th Ave., San Francisco.

Architect...None.

Day's work. COST, \$2600

ALTERATIONS

(1787) SE GOUGH AND PACIFIC AVE

All work for alterations and additions, except heating and electrical fixtures for school and adding third story (Potters) School Building.

Owner.....George S. Potter, 1827 Pacific Ave., San Francisco.

Architect...Bliss & Faville, Balboa Bldg., San Francisco.

Contractor..J. Harold Johnson, 740 9th Ave., San Francisco.

Filed June 16, '15. Dated June 14, '15.

1st and 15th of each month.... 75%
36 days after, 25%.....\$2662

TOTAL COST, \$10,648

Bond, \$5324. Surety, The Aetna Accident & Liability Co. Limit, Sept. 1, 1915. Forfeit, none. Plans and specifications filed.

FRAME RESIDENCE

(1788) W COMMONWEALTH AVE 445

S Euclid Ave W 125xS 40. Carpenter, painting, plumbing, electric and heating work for two-story, attic and basement frame residence.

Owner.....Aimee M. and Milton B. Lennon, 135 Stockton, S. F.

Architect...Arthur J. Laib, Russ Bldg., San Francisco.

Contractor..J. P. Fletcher, 1192 Ellis, San Francisco.

Filed June 16, '15. Dated June 16, '15.

Frame up and roof on.....\$2742
Brown coated 2742

Completed and accepted..... 2742
Usual 35 days..... 2742

TOTAL COST, \$10,968

Bond, \$5500. Surety, Massachusetts Bonding & Insurance Co. Limit, forfeit, none. Plans and specifications filed.

FRAME COTTAGE

(1789) E ELEVENTH AVE 60 S Judah

S 29xE 75 O L 759. All work except foundations, cement floors, sidewalks, plumbing, electric wiring, light fixtures and shades, painting and wall paper for frame cottage.

Owner.....M. A. McCann.

Architect...O. R. Thayer, 20 Montgomery, San Francisco.

Contractor..Schroder Bros., 765 Folsom, San Francisco.

Filed June 17, '15. Dated June 17, '15.

Frame up\$291.50
Brown coated 291.50

Standing finish on..... 291.50
Completed and accepted..... 291.50

Usual 35 days..... 389.00

TOTAL COST, \$1555.00

Bond, none. Limit, 65 days. Forfeit, none. Plans only filed.

FRAME RESIDENCE

(1790) E ELEVENTH AVE 30 S Judah

S 30xE 75. All work except foundations, cement floors and sidewalk, electric wiring, lights, shades, fixtures, hardware, painting, plumbing and wall paper for two-story and basement frame residence.

Owner.....M. A. McCann.

Architect...O. R. Thayer, 20 Montgomery, San Francisco.

Contractor..Schroder Bros., 765 Folsom, San Francisco.

Filed June 17, '15. Dated June 17, '15.

Frame up\$299
Brown coated 299

Standing finish completed..... 299
Completed and accepted..... 299

Usual 35 days..... 299

TOTAL COST, \$1595

Bond, none. Limit, 65 days. Forfeit, none. Plans and specifications filed.

FRAME RESIDENCE

(1791) SE JUDAH AND ELEVENTH

Ave S 30xE 75. All work except foundations, cement floors, rat proofing, sidewalk, plumbing, wall paper, light fixtures and shades for frame residence.

Owner.....M. A. McCann.

Architect...O. R. Thayer, 20 Montgomery, San Francisco.

Contractor..Schroder Bros., 765 Folsom, San Francisco.

Filed June 17, '15. Dated June 17, '15.

Frame up\$392
Brown coated 392

Standing finish on..... 392
Completed and accepted..... 395

Usual 35 days..... 524

TOTAL COST, \$2095

Bond, none. Limit, 65 days. Forfeit, none. Plans and specifications filed.

FRAME RESIDENCE

(1792) S JUDAH 75 E 11th Ave E 25

xs 90. All work except foundations, cement floors and sidewalks, electric wiring, light fixtures, shades, wall paper, plumbing, and hot air flues for two-story and basement frame residence.

Owner.....M. A. McCann.

Architect...O. R. Thayer, 20 Montgomery, San Francisco.

Contractor..Schroder Bros., 765 Folsom, San Francisco.

Filed June 17, '15. Dated June 17, '15.

Frame up\$308.75
Brown coated 308.75

Standing finish on..... 308.75
Completed and accepted..... 308.75

Usual 35 days..... 412.00

TOTAL COST, \$1647.00

Bond, none. Limit, 65 days. Forfeit, none. Plans and specifications filed.

BUILDING

(1793) W TENTH AVE 37 S Anza S

28-3xW 95. Agreement reads that this building will be more fully described and shown according to plans and specifications left at office of Grant C. Freeman, 419 Clement street.

Owner.....James Welsh, 244 20th Ave., San Francisco.

Architect...James Welsh.

Contractor..James Welsh & Co.

Filed June 17, '15. Dated May 1, '15.

Rafters on\$1500

Brown coated 1500

Completion notice filed..... 1500

Usual 35 days..... 1500

TOTAL COST, \$6000

Bond, none. Limit, 90 days. Forfeit, none. Plans and specifications, none.

FRAME RESIDENCE

(1794) S WEST PARK 250 W Mission

W 25xS 100. All work except painting, finish hardware, lighting fixtures and shades for two-story and basement frame residence.

Owner.....T. A. & Henry Arnke, 2699 Mission, San Francisco.

Architect...Albert Schroepfer, 68 Post, San Francisco.
Contractor...Mager Bros., 110 Jessie, San Francisco.

Filed June 17, '15. Dated June 17, '15.
Frame up\$1000
Brown coated 1000
Completed and accepted..... 1042
Usual 35 days..... 1020

TOTAL COST, \$4062

Bond, none. Limit, 75 days. Forfeit, none. Plans and specifications filed.

FRAME DWELLING

(1795) W EIGHTEENTH AVE 175 S Anza. Two-story and basement frame dwelling.

Owner.....Wm. Nolan, 1682 Ellis, San Francisco.

Architect...None.
Day's work. COST, \$2950

FRAME DWELLING

(1796) E TWENTY-NINTH AVE 250 S Clement. Two-story and basement frame dwelling.

Owner.....Mrs. Geo. Todhunter, 2627 Larkin, San Francisco.

Architect...D. Olsen, 335 Powell, San Francisco.

Contractor...Geo. Todhunter, 446 29th Ave., San Francisco.

COST, \$2700

ADDITION

(1797) NO. 1266 DE HARO. Add concrete foundation and floor.

Owner.....E. Thompson, Premises.
Architect...None.

Contractor...Pearson, 2241 Bryant, San Francisco.

COST, \$700

FRAME DWELLING

(1798) W SAN BRUNO 25-5 S Ward. One-story and basement frame dwlg.

Owner.....Edw. Newman, Post and Fillmore, San Francisco.

Architect...None.
Day's work. COST, \$1000

FRAME DWELLING

(1799) E MILTON 100 S Bosworth. One and one-half-story and basement frame dwelling.

Owner.....V. Gullmes, 15 Fountain, San Francisco.

Architect...None.
Day's work. COST, \$1500

(1800) N SUSSEX 100 W Martin. One story and basement frame dwlg.

Owner.....A. C. Brown, 878 14th, S. F.
Architect...None.

Contractor...A. C. Brown, 878 14th, S. F.

COST, \$700

FRAME APARTMENTS

(1801) NW SACRAMENTO & JONES. Three-story and basement frame (21) apartments.

Owner.....Dr. R. W. Payne, 146 Grant Ave., San Francisco.

Architect...W. G. Hind, 46 Kearny, San Francisco.

Day's work. COST, \$35,000

NOTE:—Job started.

ALTERATIONS

(1802) NO. 891 SAN JOSE AVE. Alter interior of dwelling.

Owner.....S. Harmovitz, Premises.
Architect...None.

Contractor...L. Mudrick, 520 Charter Oak, San Francisco.

COST, \$400

ADDITION

(1803) NO. 2712 CALIFORNIA. Build shelter and pergola; felt and asphalt and broken brick on roof; concrete floors and walks, painting, etc.

Owner.....Mary E. Casey and Margaret O'Brien, Premises.

Architect...N. Blaisdell, 255 California San Francisco.

Contractor...Holm & Son, 68 Post, S. F.

COST, \$1000

FRAME DWELLING

(1804) S IRVING 82½ W 20th Ave. Two-story and basement frame dwlg.

Owner.....F. Nelson, 30 Presidio Terrace, San Francisco.

Architect...None.
Day's work. COST, \$2500

ALTERATIONS

(1805) SE PINE AND BAKER. Alter and add to frame flats and stores.

Owner.....Julian Olcovich, Merchants National Bank Bldg., S. F.

Architect...Oser Bros., 165 Post, S. F.

Day's work. COST, \$2000

STEAM HEATING

(1806) W TAYLOR 137-6 N Sutter N 38-9xW 137-6. Plumbing and steam heating for building.

Owner.....Biltmore Realty Co.
Architect...Edw. T. Foulkes, Crocker Bldg., San Francisco.

Contractor...Peterson-James Co., 710 Larkin, San Francisco.

Filed June 18, '15. Dated June 18, '15.

On or before 10th of each month 75%
Usual 25 days..... 25%

TOTAL COST, \$9797

Bond, \$5050. Sureties, R. W. Kinney and Chas Lauffer. Limit, due diligence. Forfeit, none. Plans and specifications filed.

HOTEL

(1807) E MASON 85 — Eddy E 68-9xN 25. All work to complete building already commenced (9-story and basement hotel).

Owner.....Jos. N. Kowalsky, 146 McAllister, San Francisco.

Architect...Norman R. Coulter, 46 Kearny, San Francisco.

Contractor...W. D. Henderson, Monadnock Bldg., S. F.

Filed June 18, '15. Dated June 18, '15.

Contractor to be paid actual cost plus 10%.

Payments of 75% bet. 1st and 5th of each month until total of \$32,881 has been paid.....

36 days after, balance.....\$15,000

TOTAL COST, not to exceed, \$47,881

Bond, \$23,941. Surety, Massachusetts Bonding & Insurance Co. Limit, 140 days. Forfeit, none. Plans and specifications filed.

BRICK APARTMENTS

(1808) S TURK 47-6 E Hyde E 60xS 102-6. Foundation work and reinforcing work for three-story brick apartments.

Owner.....O. A. Craemer, 110 Jessie, San Francisco.

Engineer...Koenig & Christiansen, Humboldt Bank Bldg., S. F.

Contractor...H. L. Petersen, 62 Post, San Francisco.

Filed June 18, '15. Dated June 18, '15.

2nd story joists in place.....\$825
Completed and accepted..... 825

Usual 35 days..... 550

TOTAL COST, \$2200

Bond, \$1000. Sureties, A. J. Grier and L. C. Beckman. Limit, 20 days. Forfeit, \$5. Plans and specifications filed.

BRICK WORK ON ABOVE.

Contractor...Fred Koldenstrodt, 2735 22nd, San Francisco.

Filed June 18, '15. Dated June 18, '15.

Ready for 3rd story joists.....\$1000
Completed and accepted..... 1065

Usual 35 days..... 700

TOTAL COST, \$2765

Bond, \$1382.50. Sureties, Wm Camp and W. Barnes. Limit, 40 days. Forfeit, \$5. Plans and specifications filed.

INCORPORATIONS

Burlingame Oyster Co. Capital Stock, \$100,000; subscribed, \$7; shares, \$1 each. Directors—H. L. McKnew, F. L. Blinn, F. E. Booth, W. R. Perry, F. A. Carrick, B. F. Pringle and F. Harrold, 1 share each. Place of business, San Francisco.

Atlas Film Corporation. Capital Stock, \$10,000; subscribed, \$30; shares, \$10 each. Directors—G. E. Chamberlain, F. E. Guenther, W. H. Waite, 1 share each. Place of business, S. F.

John C. Suhr Co. Capital Stock, \$75,000; subscribed, \$25,004; shares, \$1 each. Directors—J. C. Suhr, 25,000 shares; S. M. Suhr, M. H. Suhr, M. Nicholls, H. S. McFarlin, 1 share each. Place of business, San Francisco.

M. J. Berkson Co. Capital stock, \$10,000; subscribed, 5 shares, \$1 each. Directors—M. J. Berkson, S. Davidson, A. H. Berkson, J. Davidson, H. Goldman, 1 share each. Place of business, San Francisco.

Wallmann Electrical Products. Capital stock, \$75,000; subscribed 3 shares, \$1 each. Directors—H. F. Condon, J. G. Wellmann, J. R. Selby, 1 share each. Place of business, San Francisco.

LEASES.

June 15, 1915—NO. 2442 UNION. Mrs. Mary G Buckingham to Geo A Smith. 2 years. \$1920.

June 15, 1915—NO. 3049 TWENTY-second and 803 Shotwell. Benjamin F Handy to E Pollitz. Dec. 31, 1916. \$810.

June 14, 1915—NO. 22 SACRAMENTO; N line 409 E Drumm. John Hemphill, Bessie Thornton and Mary Hemphill to Hans Th Hansen. 5 years. \$7500.

June 14, 1915—NO. 39 GRANT AVE. Julia M Fisher to Philip Klein. 8 months with option to renew.

June 18, 1915—NO. 87 FIFTH; NE Cor. Mission. John M Foge to M D Maheras. 1 year 6 months. \$720.

June 16, 1915—NO. 809 CORTLAND AVE N line. Antonio Talassano to E Vittori and E Domenichalli. 5 years \$3000 with option to renew.

June 16, 1915—NO. 997 GOLDEN GATE Ave.; SE Cor. Laguna. Kate Bezore to Lawrence Fauth. 5 years. \$9000.

NOTICE OF NON-RESPONSIBILITY.

June 12, 1915—N SANTIAGO (S) 82-6 W 17th Ave W 50xN 100. Golden improvements on leased property...

June 16, 1915—LOT 3 BLK 7 Crocker Amazon Tract; Lot 12 Blk 6417, Crocker Amazon Tract. Crocker Estate Co as to improvements on leased property

June 18, 1915—NO. 492-A SUTTER.

A. McCausland et al as to improvements on leased property...

COMPLETION NOTICES

San Francisco

June 12, 1915—LOT 27 and 6.66 feet Lot 28 Blk 2, Forest Hill. Isaac H Cory to McMullin Von Voorhies Co. June 11, 1915
June 12, 1915—SW HOWARD & 16TH W 175-1 S 87-6 E 175 N 87-6. Mission Consolidated Realty Co to Thomas Day Co. June 11, 1915
June 12, 1915—LOT 16 BLK 114 W A E Stockton 81-8 S Clay S 67-2x—68-9. Louis Gassner to McGowan & Butler. June 5, 1915
June 12, 1915—E THIRD AVE 175 N Balboa. P Algot Nelson to whom it may concern. June 9, 1915
June 12, 1915—N McALLISTER 144-6 E Fillmore E 55-6 N 137-6 E 19-6 N 137-6 W 27 S 137-6 W 48 S 137. Langendorf Baking Co to Onward Investment Co. June 11, 1915
June 12, 1915—SE GREENWICH & Hyde S 68-9x E 100. Greenwich Realty Co to Van Emon Elevator Co. May 19, 1915
June 12, 1915—NE GEARY & MASON E 92-1xN 68-9. George C Salch and L H Fielding, lessees to George B Seeman as American Studios. June 12, 1915
June 14, 1915—LOT 20 BLK 22 Crocker Amazon Tract. Conservative Loan & Invst Co to whom it may concern. June 12, 1915
June 14, 1915—BLK BDED BY THIRD Fourth, Townsend and King. Southern Pacific Co to Hicks & Folte. June 5, 1915
June 14, 1915—S MARKET & 12TH SW 25-11 SE 90 SW 50 SE 75 NE 75-11 NW 165. I I Dehall to Judson Mfg Co, Inc. June 3, 1915
June 14, 1915—E TWENTY-SECOND Ave 200 S Anza (A) S 25xE 120. Anne Elizabeth Williams to whom it may concern. June 14, 1915
June 15, 1915—N VALLEJO 215 E Kearny 20x137-6. Tocalino Bros to Devencenci Bros & Co. June 9, 1915
June 15, 1915—SW NINTH AVE AND Cabrillo 25x95. Chas A Rushton to whom it may concern. June 14, 1915
June 15, 1915—E TWENTY-NINTH Ave 375 S Clement S 25 E 136-1 1/2 NW 25-1 1/2 W 133-9 1/2. M S and Margaret Housken to Thos Hamill. June 14, 1915
June 15, 1915—W FOURTEENTH AV 235 S Geary S 25xW 120. C Cochran to M Fisher. June 3, 1915
June 15, 1915—NW O'FARRELL AND Divisadero N 87-6xW 80. J D Isaacs to Chas Wright. June 7, 1915
June 15, 1915—N LANE (L South) and Yosemite Ave (24th Ave South) NE 25xNW 100; Lot 1 Blk 454, Hudson, Garden & Orchard Tract, Maria Filippo to T L Sharman. June 9, 1915
June 15, 1915—SW HOWARD AND Sixteenth W 175-6 S 90 E 75-6 N 2-6 E 100 N 87-6. Mission Consolidated Realty Co to Joseph Gewirtz and Morris Gewirtz (as Gewirtz & Son). June 14, 1915
June 15, 1915—S LOMBARD 114-10 E Divisadero E 25 S 153-3 m or 1 SW 25-7 m or 1 N 157-1 1/2 m or 1. Theophile, Henri and Palmyre Delmoly to Domenico Francesconi. June 15, 1915

June 16, 1915—W BAKER 44-6 S Union W 85 N 27-6 Lot 2 Blk 949 W A. Robert H and Flora C Fiala to whom it may concern. June 16, 1915
June 16, 1915—N POST 137-6 E Larkin E 63-7xN 137-6. A Rothberg to American Concrete Co. June 15, '15
June 16, 1915—W TWELFTH AVE 175 N Anza N 25xW 120. Joseph C Kirby to whom it may concern. June 16, 1915
June 17, 1915—N SUTTER 81 W Taylor N 137-6xW 56-6. Clara M Clayton, Josephine L Struve, Geo W Livingston, Willetta H Henderson, Edwin P Gaffney to F L Hansen, May 24; Adams Hollopeter & Mallett, April 7; Wm F Wilson Co., March 24; Atlas Heating & Ventilating Co, April 26; General Elec Constr Co, April 26; Fred Wagner. April 9, 1915
June 17, 1915—W TWENTY-FIFTH Ave 325 S Geary S 50xW 100. H P Otten to whom it may concern. June 16, 1915
June 17, 1915—N POST 137-6 E Larkin E 63-7xN 137-6. A Rothberg to Chas Floodberg and Hugh McCaffery (as Floodberg & McCaffery). June 15, 1915
June 17, 1915—W FIFTEENTH AVE 175 N "J" N 25xW 127-6. Edward Tietjen to Ludwig B G Koenig. June 16, 1915
June 18, 1915—NW HYDE AND SACRAMENTO 37-9 on W Hyde and 77-9 1/2 on N Sacramento. Metropolis Invst Co to whom it may concern. June 16, 1915
June 18, 1915—E ASHTON AVE 275 S Del Montford Ave S 25xE 112-6; Lot 18 Blk 26, Lakeview. Grace Machio to J H Parry. June 15, 1915
June 18, 1915—E TWENTY-FIFTH Ave 125 N Clement N 25xE 120. John H Green to whom it may concern. June 18, 1915

LIENS FILED

SAN FRANCISCO COUNTY.

June 12, 1915—EXPOSITION SITE. Hooper Lumber Co vs Northwest Constr Co and Panama-Pacific International Exposition. \$1402.07
June 12, 1915—SW FILLMORE AND Moulton W 137-6xS 60. Eureka Sash, Door & Moulding Mills vs Geo L Streshly, Gus J Pates, Thos R and Mary Crowley, Jas P Sweeney, Augustus Regoli, Francis De Belli and J S Howell. \$107.62
June 14, 1915—SW FILLMORE AND Moulton S 60xW 137-6. J Marcel Vogel vs Geo L Streshly, Gus J Pates, Jno S Howell, Augustus Regoli, Francis De Belli, Jno P Sweeney, Thos P Crowley and Mary P Crowley. \$267.50
June 14, 1915—SE ELLIS AND Franklin. Malott & Peterson vs L T Turner, Gustave Schultz and James J Morrison. \$93
June 14, 1915—NE GEARY & MASON E 92-1 N 68-9 W 92-1; No. 386 Geary F H Green Painting Co vs Geo B Seaman. \$499.95
June 15, 1915—SW FILLMORE AND Moulton S 60xW 80. Union Floor Co vs Gus J Pates, Geo L Streshly, and John S Howell. \$399
June 15, 1915—W POWELL 91-3 N Post N 46-1xW 80. A J Silva vs J Sockolov. \$696.10
June 15 1915—W DEARBORN PLACE

125-8 S 17th S 25xW 85. J H Kruse vs Pauline Volkman, G L Streshley, and Gustave J Pates. \$88.73
June 15, 1915—W TWENTIETH AVE 100 N Anza W 120xN 25. J Piconi, \$195.50; John J Delucci, \$95 vs Chas E Ham and McCausland Bros.
June 16, 1915—W NEWTON 225 N Morse; Lot 20 Blk 5, Crocker Amazon Tract. E D Crowley and H W Bode (as Spring Valley Lumber Yard) vs Albert Mattson and F Zichosch. \$32.01
June 16, 1915—S CHESTNUT, bet. Van Ness Ave and Franklin; No. 1327 Chestnut. Pioneer Plate & Window Glass Co vs Dave Garabaldi and Hoffmeister and Berdahl. \$92.84
June 16, 1915—W STOCKTON 68-9 N Sacramento N 68-9xW 113-2. Baker & Hamilton vs The Christian Woman's Board of Missions and Gaspard & Hammond. \$230.36
June 16, 1915—S TURK 57-6 E Polk E 30xS 85. Otis Elevator Co vs J M Boscut. \$1485
June 17, 1915—W POWELL 91-3 N Post N 46-1xW 80. W P Fuller & Co vs J Sockolov. \$2696.44
June 17, 1915—SW FILLMORE AND Moulton S 60xW 137-6. W P Fuller & Co vs Geo L Streshly, Gustave J Pates, Jno S Howell, Augustus Regoli, Francis De Belli, Thos P Crowley and Mary Crowley. \$43.02
June 17, 1915—SW TEXAS AND 19TH W 100xS 25. Jas H Daly vs B W Demarais. \$110
June 17, 1915—LOT 5 BLK 163 on Stockton, bet. Sacramento and Clay W P Fuller & Co vs Gaspard & Hammond and Christian Woman's Board of Missions. \$455
June 17, 1915—EXPOSITION SITE. Eureka Sash, Door & Moulding Mills vs Panama-Pacific International Exposition Co, V Cardashian, F A Salih, M A Naify (as Northwest Constr Co). \$605.75
June 17, 1915—W POWELL 91-3 N Post N 46-1xW 80. J H Kruse vs J Sockolov. \$1644.96
June 17, 1915—S CHESTNUT 147-3 W Van Ness Ave W 50 — 137-6 E 47-3 N 27-6 E 2-9 N 110; No. 1327 Chestnut. Leonard Lumber Co vs D Garibaldi, Hefmeister & Berdahl. \$541.07
June 17, 1915—W TWENTIETH AVE 100 N Anza N 25xW 120. W H Raymond vs McCausland Bros and Chas E Ham. \$24.55
June 17, 1915—W POWELL 91-3 N Post N 46-1xW 80. California Hydraulic Eng & Supply Co vs Joseph Sockolov. \$355
June 17, 1915—W STOCKTON 68-9 N Sacramento N 68-89xW 113-2. Vermont Marble Co vs Gaspard & Hammond and Christian Woman's Board of Missions. \$250
June 18 1915—SE GEARY AND Parker Ave E 31-4 1/2 xS 125. E H Gates vs Thos R Curtis and S F Bldg Co. \$291.50
June 18, 1915—W TWENTIETH AVE 100 N Anza (A) N 25xW 120. D H Clinton, \$254; Alex Vranka, \$145 vs Chas E Ham and McCausland Bros
June 18, 1915—SW TEXAS & 19TH S 25xW 100. Rege Bros vs Patrick and Kate Hannon and B W Demarais. \$60
June 18, 1915—W TWENTIETH AVE 100 N Anza N 25xW 120. C W Higgins vs Charles E Ham and McCausland Bros. \$170

June 18, 1915—S CHESTNUT 147-3 W
Ness Ave W 50 S 137-6 E 47-3 N
27-6 E 2-9 N 110; No. 1327 Chestnut.
Tony Damico vs D Garibaldi and
Hoffmeister & Berdahl.....\$50

June 18, 1915—S CHESTNUT 147-3 W
Van Ness Ave W 50 S 137-6 E 47-3
N 27-6 E 2-9 N 110. James Cantley
vs D Garibaldi and Hofmeister &
Berdahl.....\$55

June 18, 1915—SE GEARY AND
Parker Ave E 31-4½xs 125. James
J Harrison, \$187.94; P H Murphy,
\$20.08; James H Daly, \$127.39 vs
Thomas R Curtis and S F Bldg Co

June 18, 1915—SE GEARY AND
Parker Ave; E Parker Ave 31 N
Geary; E Parker Ave 62 N Geary;
E Parker Ave 93 N Geary. M Ber-
tolino (as Pacific Concrete & Mo-
saic Co) vs S F Bldg Co and Thos
R Curtis.....\$282.94

June 18, 1915—SE GEARY AND
Parker Ave S 125xE 31-4½. Harry
Costen and W D Schultz (as
Richmond Sheet Metal Works) vs
Thos R Curtis and The S F Bldg
Co.....\$230

June 18, 1915—SE GEARY AND
Parker Ave E 31-4½xs 125. Rein-
hart Lumber & Planing Mill Co,
\$220.13; Hart-Wood Lumber Co,
\$94.97 vs S F Bldg Co and Thos R
Curtis.....\$230

June 18, 1915—SE GEARY AND
E 25xs 100. James Cantley vs Thos
R Curtis and S F Bldg Co.....\$42.08

June 18, 1915—SE GEARY AND
Parker Ave 31-4 on Geary and 125
on Parker Ave. Oliver Capell,
\$27.99; Richmond Elec. Co, \$28.05;
vs Thos R Curtis and S F Bldg Co

June 18, 1915—SW NINETEENTH &
Texas S 25xW 100. Friedman Bros
vs B W Demarais and Patrick and
Kate Hannon.....\$100

OAKLAND AND ALAMEDA COUNTY

RESIDENCE — 2 story and base,
frame. Cost not stated. Berkeley, Ala-
meda Co., Cal. Architect, John Hud-
son Thomas, First National Bank Bldg.,
Berkeley. Owner, Miss G. Anthony.
The dwelling has been designed for a
seven-room house with bath and sleep-
ing porch, and will be erected in Crag-
mont Heights. Interior finish will be
of pine and redwood with white ena-
mel in the bed rooms. Hardwood
floors will be used in the living room,
dining room and reception hall. There
will be furnace heat and open fire
places. Mantels will be of brick. Bath
room will have tile wainscot and floor.
An automatic water heater will be in-
stalled. Exterior of the building will
be covered with cement plaster on
metal lath. Plans are complete and
figures are now being taken. fl

RESIDENCE — 2 story and base,
frame, \$3,500. Oakland, Cal. Archi-
tects, Universal Drafting Bureau, Inc.,
1844 5th avenue, Oakland. Owner, J.
C. Fossing, 560 Oakland avenue, Oak-
land. The dwelling will be erected on
Haddon Road, and has been designed
for a seven-room house with bath and
sleeping porch. Interior finish will be
of pine and redwood with some hard-
wood veneer and white enamel in the
bed rooms. Hardwood floors will be
used in the principal rooms. There
will be furnace heat and open fire
places. Mantels will be of brick. Bath
room will have tile floor and wainscot.

An automatic water heater is specified.
Exterior of the dwelling will be cov-
ered with shingles. Plans are com-
plete and the work will be done by
Day Labor under the direction of the
architects.

RESIDENCE — 2 story and base,
frame, \$3,500, Oakland, Cal. Architect,
none. Owner, E. L. Higgins, 5250 Miles
avenue, Oakland. The dwelling will
be erected on the east side of Thomas
street north of Napa, and has been de-
signed for a seven-room house with
bath and sleeping porch. Interior fin-
ish will be of pine with some elm pan-
els and white enamel in the bed rooms.
Hardwood floors will be used in the
living room, dining room and reception
hall. Plans provide for furnace heat
and open fire places. Mantels will be
of tile or brick. Tile wainscot and
floor will be used in the bath room.
An automatic water heater is specified.
Exterior of the dwelling will be cov-
ered with cement plaster on metal
lath. Plans are complete and in the
hands of the owner who will do the
work by Day Labor. Materials are
now being purchased.

RESIDENCE—1½ story and base,
frame, \$3,000. Oakland, Cal. Architect,
none. Owner, P. R. Bullock, 5328
Shafter avenue, Oakland. The dwell-
ing will be erected on Bay View ave-
nue, west of 28th street, and has been
designed to contain seven rooms, bath
and sleeping porch. Interior will be
finished in pine with some white ena-
mel. Hardwood floors will be used in
the principal rooms. There will be fur-
nace heat and open fire places. Hardwood
floors will be used in the
principal rooms. There will be fur-
nace heat and open fire places. Man-
tels will be of tile or brick. An auto-
matic water heater will be installed.
Tile wainscot will be used in the bath
room. Exterior of the dwelling will be
covered with cement plaster on metal
lath. Plans are complete and in the
hands of the owner who will do the
work by Day Labor. Materials are
now being purchased.

RESIDENCES—20, 1 story and base,
frame, \$1,500 each. Oakland, Cal. Ar-
chitect, A. L. Haley. Owners, Haley,
Wheatley & Paul, 1525 San Pablo ave-
nue, Oakland. These dwellings will be
erected on the property known as
Lawn Heights. Each house has been
designed to contain four rooms, bath
and sleeping porch. Interiors of these
houses will be finished in pine and
redwood. Some oak floors are specified.
Each of the living rooms will have a
large open fire place with tile or brick
mantel. Each of the houses will be
equipped with two Marshall & Stearns
wall beds. Exteriors will be covered
with cement plaster on metal lath.
Plans are complete and the work will
be done by Day Labor.

RESIDENCE — 2 story and base,
frame, \$4,500. Berkeley, Alameda Co.,
Cal. Architect, none. Owner, Mrs. G.
L. Blair, 278 Jayne avenue, Oakland.
The dwelling will be erected in Clare-
mont and has been designed for a
seven-room house with bath and sleep-
ing porch. Interior finish will be of
pine and hardwood veneer with white
enamel in the bed rooms. Hardwood
floors will be used in the living room,
dining room and reception hall. Plans
provide for furnace heat and open fire
places. Mantels will be of tile or

brick. An automatic water heater is
specified. Bath room will have tile
floors and wainscot. Exterior of the
dwelling will be covered with cement
plaster on metal lath. Plans are now
being prepared.

STREET WIDENING—Cost not stat-
ed. San Leandro, Alameda Co., Cal.
Engineer, Town Engineer, San Leand-
ro. Owners, Town of San Leandro.
The City Engineer has been instructed
to prepare plans for the widening of
East 14th street 6 feet on the easterly
side and 19 feet on the westerly side
from the center line of San Leandro
Creek to the southerly line of Stanley
road.

SEWER EXTENSION — \$2,522.60.
Livermore, Alameda Co., Cal. Engi-
neer, Town Engineer, Livermore. Own-
ers, Town of Livermore. Bids opened
by the Town Trustees for sewer ex-
tension show J. W. Terrell of Sacra-
mento low at \$2,522.60. He will be
awarded the contract.

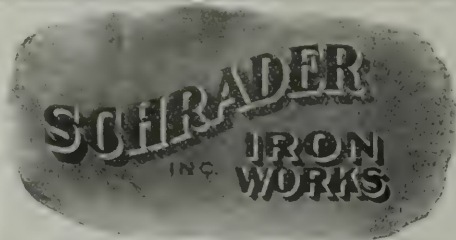
SCHOOL—1 story and base, frame,
\$18,000. Newark, Alameda Co., Cal.
Architect, Fred D. Wolfe, Bank of San
Jose Bldg., San Jose. Owners, Town
of Newark. Working drawings for
this six-room school have been com-
pleted and have received the approval
of the Board of Education. Bids are
now being taken. Interior of the
building will be finished in pine. There
will be a central heating system with
complete oil burning plant. Exterior
will be faced with cement plaster on
metal lath. Plans can be secured from
the architect or from the Board of Ed-
ucation.

DETENTION HOME—4 story and
base, reinforced concrete, \$75,000. Oak-
land, Cal. Architect, Henry H. Meyers,
Kohl Bldg., S. F. Owners, Alameda
County. Plans have been approved
and figures are now being taken for
the four-story and basement rein-
forced concrete detention home to be
erected by Alameda County on the
property at 18th and Poplar streets.
The building will contain the usual
wards, court room and administrative
offices. Interior will be finished in pine.
There will be a steam heating system,
oil burning equipment and modern
plumbing. Exterior of the building
will be faced with cement plaster.
Plans are complete and figures are be-
ing taken. Plans and specifications
can be secured from the architect.

STORES—1 story and base, brick
and steel, \$15,000. Oakland, Cal. Ar-
chitect, C. W. Dickey, Central Bank
Bldg., Oakland. Owners, Hawley In-
vestment Co. The building will be
erected at the northwest corner of
15th and Franklin streets, and will
cover a considerable ground area.
There will be a number of small stores.
Interiors will be finished in pine with
some hardwood veneer. Patent store
fronts are specified. Exterior of the
building will be faced with pressed
brick. Only preliminary plans have
been prepared and construction will
not be undertaken for some time. Fur-
ther mention will be made of the work.

Contracts Awarded

SCHOOL—2 story and base. Class C
\$100,000. Berkeley, Alameda Co., Cal.
Architects, Hobart & Cheney, Crocker
Bldg., S. F. Owners, City of Berkeley.
Contractors, D. O. Church Co., S. F.,
grading and concrete work, \$13,457.
Walter Sorenson, 3219 Ellis street,



SCHRADER
INC. **IRON**
WORKS

**Structural Steel
Contractors**

**Works at
HARRISON ST.,
bet. 8th & 9th
San Francisco**

Telephone Market 337

Berkeley, carpentry work, \$23,331; Siebert & Co., Phelan Bldg., S. F., heating and ventilating, \$9,427; Walter Mork, 919 San Pablo avenue, Berkeley, sheet metal work, \$1,830; Capitol Electric Works, 2476 Shattuck avenue, Berkeley, electric work, \$2,430; Eugene Ehret, 2043 University avenue, Berkeley, plumbing, \$4,599; George Dixon, 541 Apgar street, Oakland, plastering, \$10,487; and D. Zelinsky, 564 Eddy street, S. F., painting, \$2,326.

Supervisors Open Infirmary Bids.

Clinton Fireproofing Company Low on First Unit of Alameda County Infirmary. Designed by Charles Peter Weeks.

Eighteen sets of figures were received Monday by the Alameda County Supervisors for the excavating, grading and concrete work on the first unit of the new Alameda County Infirmary, designed by Architect Charles Peter Weeks, Mutual Bank Bldg., San Francisco.

The lowest bid was that of the Clinton Fireproofing Co. at \$32,200. All bids were taken under advisement and an award of the contract will be made next Thursday. Following is a complete list of the bids opened:

First Unit Alameda County Infirmary.	
Clinton Fireproofing Co.	\$32,200
Contra Costa Constr. Co.	34,350
Henry Layez	35,971
Wm. A. Newsom	36,500
Construction & Engineering Co.	37,400
Berry Bldg. Co.	37,945
A. P. Brady	38,180
W. D. Henderson	38,688
John Monk	38,928
Schneibly, Hostrawser & Pedgrift	39,364
Van Sant-Houghton Co.	41,000
Hester-Vogt Co.	41,337
David Dillon	41,350
Geo. A. Bos	41,917
Christensen Bros.	42,547
McLeran & Peterson	43,500
Peterson & Peterson	49,537
Lange & Bergstrom	54,000

Bids Opened For Telegraph School.

Large Number of Bids Received For Largest of New Berkeley Schools. Contracts to be Awarded.

Bids were opened by the Berkeley Board of Education on Tuesday, June 15th, at 10 A. M. for the construction

of the Telegraph Avenue School, a two story and basement building of the Class "C" type, designed by Architects Hobart & Cheney, Crocker Bldg., San Francisco. The building will be erected on property at the corner of Ward and Telegraph avenue and will contain eighteen class rooms besides a large auditorium. Segregated figures were taken on the work.

The following were the low bids on the work: W. D. Henderson, excavating and concrete work; \$10,747; Walter Sorenson, carpentry work, \$23,231; Siebert Co., heating and ventilating, \$9,427; Walter Mork, sheet Metal work, \$1,930; Capitol Electric Co., electric work, \$2,430; Eugene Ehret, plumbing work, \$4,600; W. D. Henderson, plastering, \$9,997, and D. Zelinsky & Sons, painting, \$2,326.

All bids have been taken under advisement, but contracts will probably be awarded Wednesday. Following is a complete list of all bids as opened:

Carpentry Work.	
Heckenroth & Schell	\$25,933.00
H. P. Nelson	26,480.00
Dunnavant & Oakley	23,474.00
J. Wendering	24,250.00
J. S. Hannah	23,766.45
Masow & Morrison	25,495.00
Construction & Eng. Co.	29,920.00
W. D. Henderson	24,978.00
Matthew Morton	24,657.00
Walter Sorenson	23,231.00
Stockholm & Allyn	28,272.00
Howard Williams	29,497.00
Val Franz & Son	25,935.00
Excavating, Grading and Concrete.	
D. O. Church Co.	\$13,347
H. E. Franks	15,400
W. D. Henderson	10,747
Constr. & Eng. Co.	15,400
Thurston & Co.	16,390

Tile Roofing.	
W. D. Henderson	\$7,167
Heating and Ventilating.	
Walter Mork	\$10,350
Carl T. Doell	10,168
Siebert Co.	9,427
J. C. Hurley Co.	10,449
Wm. P. Scott	10,870
Pacific Fire Extinguisher Co.	9,999
J. E. O'Mara	10,977
Sheet Metal Work.	
Capitol Sheet Metal Co.	\$2,389
Walter Mork	1,930
Percy Sheet Metal Works	2,720

Electrical Work.	
Constr. & Eng. Co.	\$3,087
Pacific Fire Extinguisher Co.	2,695
Boynton Electric Co.	2,475
H. S. Tittle	2,474
Le Page-McKinney Co.	2,637
Berkeley Electric Co.	2,565
Capitol Electric Co.	2,130
Plumbing.	
Eugene Ehret	\$4,600.00
Carl T. Doell	5,316.00
Scott Co.	5,078.00
Constr. & Eng. Co.	5,470.00

Geo. Stoddard	4,689.00
James Rankin & Son	5,333.25
Plastering.	
H. A. Chalmers & Co.	\$13,790
Geo. Dixon	10,487
Wm. Makin	10,843
W. D. Henderson	9,997
Campbell & Williams	13,490
Painting.	
M. Friedman & Co.	\$4,885
C. M. Ecklund	2,490
D. Zelinsky & Sons, Inc.	2,326

Building Contracts Awarded

Oakland

No.	Owner	Contractor	Amt.
1113	Schmidt	Schmidt	30000
1115	Brain	Rutherford	1950
1116	Hayashi	Hayashi	1200
1117	Brain	Rutherford	2150
1119	Pinal Dome Oil	Cal Metal	500
1120	Rountree	Knight	2200
1121	Pinal Dome Oil	Cal Mtl	500
1125	Coxon	Albers	1455
1126	Piedmont Bldg	Rose	858
1128	Santa Fe	Santa Fe	1900
1130	Higgins	Higgins	3500
1132	Cal. Properties	Bartlett	2000
1133	Same	Same	2000
1134	Same	Same	2000
1135	Same	Same	2000
1136	Same	Same	2000
1137	Salsbury	Salsbury	400
1138	Pollock	Metz	400
1139	Weston Est	Schrader	500
1140	Same	Same	1500
1142	Howland	Wieben	400
1143	Frazier	Frazier	400
1144	Danforth	Austin	900
1145	Burritt	Burritt	2500
1150	Bullock	Bullock	3000
1151	Reinhardt	Owner	5000
1152	Olsen	Hopper	3730
1154	Bishop	Valente	1700
1155	Scannell	Scannell	1850
1156	MacGregor	Owner	2500
1157	Same	Same	2500
1158	Same	Same	2500
1159	Jensen	Hitchcock	400
1160	Langtry	Langtry	1800
1163	Johnson	Johnson	1000
1164	Eischoff	Bischoff	2000
1165	Rifle	Gray	5985
1166	Rountree	Knight	
1168	Nethken	Nethken	1000
1169	Higgins	Higgins	3500
1170	Orth	Gunn	3038
1171	Chr Scient	Hurley	3780
1172	Hansen	Oleson	2427

APARTMENTS

(1113) S TENTH 100 W Fallon 100x 100, Oakland. All work for three-story 96-room apartments. Owner.....Eugene Schmidt, 482 40th, Oakland.

Architect...None.
Contractor...E. Schmidt, 482 40th, Okd.
Filed June 12, '15. Dated June 12, '15.
Usual 35 days after completion and acceptance

TOTAL COST, \$30,000
Bond, none. Limit, 120 days after June 14. Forfeit, none. Plans and specifications, none.

NOTE:—1st report June 11, No. 1098.

DWELLING

(1115) W CHESTNUT 27 S 30th, Oakland. One-story 5-room dwelling. Owner.....Margaret Brain, 518 6th, Oakland.
Architect...None.
Contractor...Thomas Rutherford, 985 35th, Oakland.
COST, \$1950

DWELLING

(1116) W SEVENTY-THIRD AVE 308 S Halliday Ave., Oakland. One-story six-room dwelling. Owner.....H. Hayashi, 73rd Ave near Herbert, Oakland.
Architect...None.
Day's work. COST, \$1200

DWELLING

(1117) SW CHESTNUT AND 30TH, Oakland. One-story 5-room dwlg. Owner.....Margaret Brain, 518 6th, Oakland.

Architect...None.

Contractor...Thomas Rutherford, 985 35th, Oakland.

COST, \$2150

SERVICE STATION

(1119) NW JONES AND GROVE, Oakland. Service Station.

Owner.....Pinal Dome Refining Co., Livingston St. Wharf, Okd.

Architect...None.

Contractor...California Metal Wks, 478 20th, Oakland.

COST, \$500

DWELLING

(1120) W ROSEDALE AVE 50 N Carrington, Oakland. One-story 5-room dwelling.

Owner.....Daisy L. Rountree, 5431 Ygnacio Ave., Oakland.

Architect...None.

Contractor...Harry C. Knight, 3857 Market, Oakland.

COST, \$2200

SERVICE STATION

(1121) SE TWENTIETH AND BROADWAY, Oakland. Service station.

Owner.....Pinal Dome Refining Co., Livingston St. Wharf, Okd.

Architect...None.

Contractor...California Metal Wks, 478 20th, Oakland.

COST, \$500

DWELLING

(1125) LOTS 22 AND 23 BLK, "O" Fruitvale Blvd Tract, being No. 2130 51st Ave., Oakland. Cement work and plastering interior finish, etc., for finishing dwelling partly constructed.

Owner.....Henry Coxon & wife, Okd.

Architect...None.

Contractor...Geo. Albers, 1616 51st Ave., Oakland.

Filed June 14, '15. Dated June 11, '15.

As material and labor becomes due

Usual 35 days.....75%
Usual 35 days.....25%

TOTAL COST, \$1455

Bond, none. Limit, 90 days. Forfeit, plans and specifications, none.

FRAME DWELLING

(1126) LOT 48 Map Crocker Highlands Oakland. All work for two-story frame dwelling.

Owner.....Piedmont Heights Bldg. Co Oakland Bank of Svgs Bldg Oakland.

Architect...Glen Allen, Monadnock Bldg., San Francisco.

Contractor...L. A. Rose, Monadnock Bldg., San Francisco.

Filed June 14, '15. Dated June 9, '15.

Frame up ¼

Brown coated ¼

Accepted ¼

Usual 35 days..... ¼

TOTAL COST, \$8581

Bond, \$4300. Surety, Southwestern Insurance Co. Limit, 80 days. Forfeit, \$5. Plans and specifications filed.

TOWER

(1128) N STANFORD AVE 65 E Lowell, Oakland. Two-story interlocking tower.

Owner.....Atchison, Topeka & Santa Fe Railway Co., L. A.

Architect...None.

Day's work. COST, \$1900

DWELLING

(1130) E THOMAS 100 N Napa, Oakland. Two-story 7-room dwelling.

Owner.....E. L. Higgins, 5250 Miles Ave., Oakland.

Architect...None.

Day's work. COST \$3500

DWELLING

(1132) N FOOTHILL BLVD. 500 W 90th Ave. One-story 5-room dwlg.

Owner.....California Properties Ltd., 1700 Claus Spreckels Bldg., San Francisco.

Architect...None.

Contractor...John M. Bartlett, 565 16th, Oakland. COST, \$2000

DWELLING

(1133) N FOOTHILL BLVD 540 W 90th Ave. One-story 5-room dwlg.

Owner.....California Properties Ltd., 1700 Claus Spreckels Bldg., San Francisco.

Architect...None.

Contractor...John M. Bartlett, 565 16th, Oakland. COST, \$2000

DWELLING

(1134) N FOOTHILL BLVD. 580 W 90th Ave. One-story 5-room dwlg.

Owner.....California Properties Ltd., 1700 Claus Spreckels Bldg., San Francisco.

Architect...None.

Contractor...John M. Bartlett, 565 16th, Oakland. COST, \$2000

DWELLING

(1135) N FOOTHILL BLVD. 620 W 90th Ave. One-story 5-room dwlg.

Owner.....California Properties Ltd., 1700 Claus Spreckels Bldg., San Francisco.

Architect...None.

Contractor...John M. Bartlett, 565 16th, Oakland. COST, \$2000

DWELLING

(1136) N FOOTHILL BLVD. 660 W 90th Ave. One-story 5-room dwlg.

Owner.....California Properties Ltd., 1700 Claus Spreckels Bldg., San Francisco.

Architect...None.

Contractor...John M. Bartlett, 565 16th, Oakland. COST, \$2000

ADDITION

(1137) N E-THIRTY-THIRD 80 E 14th Ave., Oakland. Addition.

Owner.....L. L. M. Salsbury, Moose Club, 1116 Clay, Oakland.

Architect...None.

Day's work. COST, \$400

BRICK OVEN

(1138) NO. 5666 COLLEGE AVE., Oakland. Brick oven.

Owner.....W. Pollock, Premises.

Architect...None.

Contractor...Paul Metz, 2129 Roosevelt Ave., Berkeley.

COST, \$400

BRICK SHED

(1139) N SEVENTEENTH 50 W Telegraph Ave., Oakland. Brick shed.

Owner.....Weston Estate, 2614 Etna, Berkeley.

Architect...None.

Contractor...J. F. Shrader, 520 16th, Oakland.

COST, \$500

FIRE REPAIRS

(1140) NW SEVENTEENTH & TELEGRAPH AVE., Oakland. Fire repairs.

Owner.....Weston Estate, 2614 Etna, Berkeley.

Architect...None.

Contractor...J. F. Shrader, 520 16th, Oakland. COST, \$1500

FIRE REPAIRS

(1142) NO. 1581 THIRTY-NINTH AVE Oakland. Fire repairs.

Owner.....R. K. Howland, Premises.

Architect...None.

Contractor...Alex C. Wieben, 2010 38th Ave., Oakland. COST, \$400

DWELLING

(1143) N E-FOURTEENTH 200 W 100th Ave., Oakland. One-story 3-room dwelling.

Owner.....Hugh Frazer, Webber House, San Leandro.

Architect...None.

Day's work. COST, \$400

ALTERATIONS

(1144) NO. 422 ELEVENTH, Oakland. Sidewalk alterations.

Owner.....Mrs. Danforth, 1511 11th Ave., Oakland.

Architect...None.

Contractor...Fred H. Austin, 2328 14th Ave., Oakland. COST, \$900

DWELLING

(1145) S FORTY-FIFTH 240 E Shafter Ave., Oakland. One-story 5-room dwelling.

Owner.....Walter H. Burritt, 770 60th Oakland.

Architect...None.

Day's work. COST, \$2500

DWELLING

(1150) S BAY VIEW AVE 287 E E-28th, Oakland. One and one-half-story 7-room dwelling.

Owner.....P. R. Bullock, 5328 Shafter Ave., Oakland.

Architect...None.

Day's work. COST, \$3000

DWELLING

(1151) E COLBY 300 N Alcatraz Ave., Oakland. Two-story 7-room dwlg.

Owner.....Emma S. Reinhardt, 617 46th, Oakland.

Architect...A. W. Smith, 1010 Broadway, Oakland.

Contractor...Joseph Reinhardt, 617 46th Oakland. COST, \$5000

FRAME DWELLING

(1152) LOT 19 BLK "F" East Piedmont Heights, Oakland. All work for two-story and part basement frame dwelling.

Owner.....Pearl Olsen, San Francisco.

Architect...H. Geiffuss & Son, 46 Kearny, San Francisco.

Contractor...M. E. Hopper & Sons, 90 Glen Ave., Oakland.

Filed June 16, '15. Dated June 8, '15.

Frame up\$698

Brown coated, plumbing and electric work roughed in..... 698

Exterior work completed..... 698

Completed and accepted..... 701

Usual 35 days..... 935

TOTAL COST, \$3730

Land, \$865. Surety, New Amsterdam Casualty Co. Limit, 75 days from date recorded. Forfeit, \$5. Plans and specifications filed.

DWELLING

(1154) W PERALTA AVE 165 S Montara, Oakland. One-story five-room dwelling.

Owner.....R. Bishop, Oakland.

Architect...None.

Contractor...M. E. Valente, 5882 Vallejo Oakland. COST, \$4700

DWELLING

(1155) N FIFTY-SECOND 194 W Genoa, Oakland. One-story 5-room dwelling.

Owner.....J. J. Scannell, 3237 Hannah Oakland.

Architect...None.

Day's work. COST, \$1850

DWELLING

(1156) E LINWOOD 120 N E-37th, Oakland. One and one-half-story five-room dwelling.

Owner.....C. M. MacGregor, 470 13th, Oakland.

Architect...None.

Day's work. COST, \$2500

DWELLING

(1157) E LINWOOD 80 N E-37th, Oakland. One and one-half-story 5-room dwelling.

Owner.....C. M. MacGregor, 470 13th, Oakland.

Architect...None.

Day's work. COST, \$2500

DWELLING

(1158) SE DIVISION & HAMPEL, Oakland. Two-story 6-room dwelling.

Owner.....C. M. MacGregor, 470 13th, Oakland.

Architect...None.

Day's work. COST, \$2500

ALTERATIONS

(1159) NO. 381 PALM AVE., Oakland. Alterations.

Owner.....Geo. C. Jensen, Premises.

Architect...None.

Contractor...F. E. Hitchcock, 706 39th, Oakland. COST, \$400

DWELLING

(1160) W MARKET 80 S Apgar, Oakland. One-story 5-room dwelling.

Owner.....J. R. Langtry, 789 22nd, Oakland.

Architect...None.

Day's work. COST, \$1800

DWELLING

(1163) N E-THIRTIETH 120 E 14th Ave., Oakland. One-story 4-room dwelling.

Owner.....Louis Johnson, 223 Greenbank Ave., Oakland.

Architect...None.

Day's work. COST, \$1000

DWELLING

(1164) N SIXTY-THIRD 188 W College Ave., Oakland. One-story six-room dwelling.

Owner.....John A. Bisehoff, 6045 Harwood Ave., Oakland.

Architect...None.

Day's work. COST, \$2000

DWELLING

(1165) E OAKLAND AVE opp. Bay Vista Ave., Oakland. Two-story 9-room dwelling.

Owner.....Franklin Riffle, 840 Clayton, San Francisco.

Architect...None.

Contractor...Edwin C. Graff, 306 Syndicate Bldg., Oakland.

COST, \$5985

DWELLING

(1166) W ROSEDALE AVE 50 N Carlington, Oakland. All work for one-story five-room dwelling.

Owner.....Daisy L. Rountree, 5439 Ygnacio Ave., Oakland.

Architect...None.

Contractor...Harry C. Knight, 3857 Market, Oakland.

Filed June 16, '15. Dated May 5, '15.

Ready for plaster..... 5%

Accepted..... 5%

TOTAL COST, 10%

Bond, none. Limit, 60 days. Forfeit, none. Plans and specifications, none.

DWELLING

(1168) E THIRTY-NINTH AVE 75 N Kanning, Oakland. One-story three-room dwelling.

Owner.....H. Nethken, 3753 Brown Oakland.

Architect...None.

Day's work. COST, \$1000

DWELLING

(1169) E THOMAS 160 N Napa, Oakland. Two-story 7-room dwelling.

Owner.....E. L. Higgins, 5250 Miles Ave., Oakland.

Architect...None.

Day's work. COST, \$3500

DWELLING

(1170) S YOSEMITE 200 E Piedmont Ave., Oakland. One-story 8-room dwelling.

Owner.....R. Orth, 527 19th, Oakland.

Architect...None.

Contractor...J. F. Gunn, 839 Isabella, Oakland.

COST, \$3038

(1171) NE THIRTY-FOURTH AND Elm, Oakland. All work for heat-ventilating of church building.

Owner.....Second Church of Christ Scientist, Oakland.

Architect...Wm. A. Newman, Hewes Bldg., San Francisco.

Contractor...J. C. Hurley and J. A. Hurley (J. C. Hurley Co.), 509 Sixth, San Francisco.

Filed June 18, '15. Dated June 15, '15.

Payments once a month of.... 75%

Usual 35 days..... 25%

TOTAL COST, \$3780

Bond, \$1890. Surety, New England Casualty Co. Limit, Nov. 1, 1915. Forfeit, none. Plans and specifications filed.

DWELLING, ETC.

(1172) E CIESTE BLANCA ROAD, about 4 miles from Town of Livermore, bet property of Stahl & Wendt. All work for one-story dwelling, wagon shed and stock barn.

Owner.....C. G. Hansen, Livermore.

Architect...Francis W. Reid, Walnut Creek.

Contractor...Ole Oleson and J. Paulsen, Pleasanton.

Filed June 18, '15. Dated June 9, '15.

Frame up.....\$600

Plastered..... 600

Completed and accepted..... 620

Usual 35 days..... 607

TOTAL COST, \$2427

Bond, \$1214. Surety, Maryland Casualty Co. Limit, 90 days after filing.

Forfeit, none. Plans and specifications filed.

Building Contracts Awarded**Berkeley.**

No.	Owner	Contractor	Amt.
1114	Cal Cored Fruit...	Palmer	30500
1118	Dunn	Kidder	700
1122	Allison	Allison	1000
1123	Townsend	Owner	3750
1124	Murray	Murray	1000
1127	Kennedy	Warren	75
1129	Jackson	Junk	6500
1131	Carney	Hughson	2300
1141	Rose	Anderson	400
1162	Anderson	Anderson	1900
1167	Cal Culvert	Owner	400

FRAME FACTORY

(1111) BLK 12 Map Tet "B" Berkeley L T I Ass'n, being block bounded by Second, Gilman, Third and Harrison, Berkeley. Alterations to two-story frame factory.

Owner.....California Cured Fruit Exchange, 417 Market, S. F.

Architect...Washington J. Miller, 45 Kearny, San Francisco.

Contractor...P. A. Palmer, Monadnock Bldg., San Francisco.

Filed June 12, '15. Dated June 12, '15.

1st and 15th of each month.... 75%

Usual 35 days..... 25%

TOTAL COST, \$30,500 plus 10%

Bond, \$16,000. Surety, New England Casualty Co. Limit, 47 days. Forfeit, \$25. Plans only filed.

NOTE:—1st report June 11, No. 1087.

ALTERATIONS

(1118) W DANA 150 N Parker, Berkeley. Alterations.

Owner.....Dr. Dunn, 2845 Telegraph Ave., Berkeley.

Architect...None.

Contractor...Kidder & McCullough, 2075 Addison, Berkeley.

COST, \$700

DWELLING

(1122) NE MATHEWS AND DERBY, Berkeley. One-story 4-room dwlg.

Owner.....C. H. Allison, 34 Brookside Ave., Berkeley.

Architect...None.

Day's work. COST, \$1000

DWELLING

(1123) W SAN LUIS ROAD 550 N Indian Rock, Berkeley. Two-story seven-room dwelling.

Owner.....Fred Townsend, 2954 Mag-nolia, Berkeley.

Architect...Olin S. Grove, 2911 Telegraph Ave., Berkeley.

Day's work. COST, \$3750

NOTE:—Foundation started.

DWELLING

(1124) N E-TWENTY-SEVENTH 134 W Peralta Ave., Berkeley. One-story 4-room dwelling.

Owner.....Thos. F. Murray, 3145 Lynde, Berkeley.

Architect...None.

Day's work. COST, \$1000

SLEEPING PORCH

(1127) NO. 2328 CARLTON, Berkeley.

All work for sleeping porch.

Owner.....Richard T. Kennedy, 2643

Telegraph Ave., Berkeley.
 Architect...None.
 Contractor...C. H. Warren, 2200 Ather-
 ton, Berkeley.
 Filed June 14, '15. Dated June 14, '15.
 Completed\$75

TOTAL COST, \$75

Bond, none. Limit, 30 days. Forfeit,
 none. Plans and specifications filed.

DWELLING

(1129) W PANORAMIC WAY opp Moss
 Wood Road, Berkeley. Two-story 8-
 room dwelling.

Owner.....H. F. Jackson, 1631 Euclid
 Ave., Berkeley.

Architect...None.

Contractor...Junk-Riddell Investment
 Co., 2247 Telegraph Ave.,
 Berkeley.

COST, \$6500

FLATS

(1131) LOT 39 Homestead Villa being
 S Folger No. 752, Berkeley. All work
 for two-story flats.

Owner.....Mary A. Carney, Berkeley.
 Architect...None.

Contractor...G. L. Huughson, 1608
 Stuart, Berkeley.

Filed June 14, '15. Dated June 12, '15.

Frame up 1/4

Plastered 1/4

Completed 1/4

30 days after 1/4

TOTAL COST, \$2300

Bond, none. Limit, 75 days. Forfeit,
 \$1. Plans and specifications filed.

ALTERATIONS

(1141) S FRANCISCO 160 W McGee,
 Berkeley. Alterations.

Owner.....Mary E. Rose, 1920 Grant,
 Berkeley.

Architect...None.

Contractor...J. J. Anderson, 1911 Ber-
 keley Way, Berkeley.

COST, \$400

DWELLING

(1162) S FAIRVIEW 100 E Baker, Ber-
 keley. One-story 5-room dwelling.

Owner.....L. W. Anderson, 821 16th,
 Oakland.

Architect...None.

Days work. COST, \$1900

ADDITION

(1167) W FIFTH 200 N Parker, Ber-
 keley. Addition.

Owner.....California Corrugated Cul-
 vert Co., Premises.

Architect...None.

Day's work. COST, \$400

Building Contracts Awarded

ALAMEDA COUNTY.

No.	Owner.	Contractor	Amt.
1146	Hillen	Hillen	2000
1147	Hynes	Wilhelm	600
1148	Lewis	Burton	400
1149	Larney	Larney	1000
1153	Crawford	Angell	2371
1161	Lechner	Lechner	100

DWELLING

(1146) NO. 3254 GARFIELD AVE.,
 Alameda. One-story 5-room dwlg.

Owner.....R. C. Hillen, 430 Haight
 Ave., Alameda.

Architect...None.

Day's work. COST, \$2000

ADDITION

(1147) NO. 2167 ALAMEDA AVE., Ala-
 meda. Addition.

Owner.....W. H. L. Hynes, Premises.
 Architect...Cunningham & Politeo, 1st
 National Bank Bldg., S. F.
 Contractor...A. Wilhelm, 180 Jessie,
 S. F. COST, \$600

GARAGE

(1148) NO. 1625 CENTRAL AVE., Ala-
 meda. Garage.

Owner.....G. N. Lewis, Premises.

Architect...None.

Contractor...Chas. Barton, 993 Park,
 Alameda. COST, \$400

SWIMMING TANK

(1149) PALM BEACH, Alameda.
 Swimming tank.

Owner.....Geo. I. Larney, Premises.

Architect...None.

Day's work. COST, \$1000

FRAME DWELLING

(1153) W CAROLINE 125 S Central
 Ave W 100xS 50, Alameda. All work
 for one-story and attic frame dwlg.

Owner...Olive D. Crawford, Ala.

Architect...A. W. Smith, 1010 Broad-
 way, Oakland.

Contractor...E. R. & E. J. Angell, 6443
 Colby, Oakland.

Filed June 16, '15. Dated June 15, '15.

Frame up\$571.80

Brown coated 600.00

Completed and accepted..... 600.00

Usual 35 days..... 600.00

TOTAL COST, \$2371.80

Bond, \$1200. Sureties, T. C. Fesler and
 David S. Glover. Limit, Aug. 30, 1915.
 Forfeit, \$1.50. Plans and specifications
 filed.

SHED

(1161) NO. 2128 SANTA CLARA AVE.,
 Alameda. Shed.

Owner.....P. J. Lechner, Premises.

Architect...None.

Day's work. COST, \$400

COMPLETION NOTICES.

ALAMEDA COUNTY

June 12, 1915—LOT 93 Map Pleasant
 Valley Court, Okd. George D and
 Leah E Harron to John A Hoots &
 SonJune 9, 1915

June 12, 1915—LOTS 7 AND 8 Map
 Sbdvn Plot 17 Glen Echo Tract,
 Okd. Mazy L Stone to Harris &
 Hudson.....June 7, 1915

June 12, 1915—NW LINDEN AVE &
 Webster N 55xW 74, Bkly. Lula
 Lucas to Darrow & Meikle Co, June
 10; Oscar Sellers.....June 10, 1915

June 12, 1915—S UNIVERSITY AVE
 90 E Grove E 50x137½, Bkly. John
 S Jennings to Fred H Fields.....
June 4, 1915

June 12, 1915—W TELEGRAPH AVE
 86 NE 41st NE 28.50 NW 103.39 SW
 28.50 E 102.99, Okd. Frank Mancini
 to Boehrer & Legault.....June 11, 1915

June 12, 1915—LOT 46 and NE 12½
 Lot 47 Map Stone Orchard, Stone-
 hurst, Okd. W J Joyce to C R Hurl-
 but.....May 24, 1915

June 14, 1915—SE 40 LOT 26 BLK "F"
 Map Bella Vista Park, Okd. ; Jessie
 B & D O Wenrich to J F Loughery
June 12, 1915

June 14, 1915—FOURTEENTH Nos.
 1118-20, Okd. Frankie E Colquhoun
 to G W Holloway.....June 11, 1915

June 14, 1915—NW THIRTEENTH &
 Washington W 75xN 50, Oakland.
 Martin, Harold and Lionel Wachs

and Gertrude Hazel Hyman to Bac-
 cus & Kennedy..... June 12, 1915

June 15, 1915—PIER TERMINAL ON
 Bay of S. F. eastward of Oakland
 Shore line. San Francisco-Oakland
 Terminal Railways to Healy-Tib-
 bitts onstr Co, April 9; Same to
 Same.....May 5, 1915

June 15, 1915—N FORTY-FOURTH
 140 W West W 65xN 100, Okd. E
 L Ormsby to Chas Rogers.....June 12, '15

June 15, 1915—W GRAND AVE 130.5
 N Sunnyslope Ave N 44.5xW 125,
 Okd. R E Stubbe to whom it may
 concern.....June 15, 1915

June 15, 1915—LOT 31 BLK "Q" Central
 Oakland Tract, being S 41st
 bet. Webster and Telegraph Ave,
 Okd. Frank M Dunn to O M Bul-
 lock.....June 9, 1915

June 16, 1915—N BROOKDALE AVE
 101.23 E Courtland Ave being Lot
 15 Blk 6, Brookdale Terrace, Okd.
 Robert Davies to O G Smith.....

.....June 16, 1915

June 16, 1915—LUSK NO. 4030, Okd.
 John J Magennis to Harry C
 Knight.....June 14, 1915

June 16, 1915—LOT 32 Fremont Tct
 on N Hopkins 278 W High, Okd.
 M L Caswell to Blackman Wads-
 worth Realty Co.....June 1, 1915

June 17, 1915—PTN LOTS 1 AND 2
 Map 4th Ave Court, Okd. E W
 Woodard to whom it may concern
June 16, 1915

June 17, 1915—N ALBANY TERRACE
 30 E Neilson 31x90, being Lot 4 Map
 Albany Terrace, Albany. Emma
 Westwood to whom it may concern
June 16, 1915

June 17, 1915—BROOKDALE AVE
 No. 4516; 80 W Lilac, Okd. N A
 Brown to W C Brown.....June 17, 1915

June 18, 1915—S HARDY 150 W Miles
 Ave S 196.25xW 37½, Okd. W H
 Picard to McNab & King.....

.....June 18, 1915

LIENS FILED

ALAMEDA COUNTY.

June 11, 1915—LOT 6 Map Eden
 Acres, Eden Tp. F J Russell vs
 George W Schmitz.....\$164.92

June 11, 1915—LOTS 3, 4 AND 5 BLK
 20 Map Hayward Heath Tet Sbdvn
 No. 1, Eden Tp. F J Russell vs C
 R and H C Matthews.....\$64.30

June 16, 1915—E 90 LOTS 16 AND 17
 Blk "B" Map Leviston Tract, Bkly.
 Berkeley Hardware Co, \$137.70; Art
 Fixture Co, \$170 vs Gustaf and
 Sandra Johanson

June 17, 1915—NW ROSE AND JOSE-
 phine 90x80; being ptn Lots 16 and
 17 Blk "B" Map Leviston Tract,
 Bkly. Oakland Concrete, Terrazzo
 & Mosaic Co, \$124; Marshall &
 Stearns Co, \$184; A Severy, \$345;
 The California Door Co, \$622 vs
 Gustaf Johanson

June 18, 1915—E 90 LOTS 16 AND 17
 Blk "B" Map Leviston Tct, Bkly.
 Frank Montano, \$488; John O Adler,
 \$149.25; Swift & Wilcox, \$124.10;
 Wm Champion & Son, \$143.75;
 Bruce Lumber & Mill Co, \$471.62;
 Hunter Lumber Co, \$84.11 vs Gustaf
 Johanson

June 18, 1915—S UNIVERSITY AVE
 105 E Grove E 35xS 100, Bkly. J
 H Jones and O Bernhus vs Fred H
 Field and J S Jennings.....\$85.50

RELEASE OF LIENS**ALAMEDA COUNTY.**

June 9, 1915—S CENTRAL AVE 60-3
E 5th E 25xS 175, Ala. G H Suelf-
lohn to Christine Sievers.....\$27.75

SAN JOSE AND THE SANTA CLARA VALLEY

RESIDENCE—2 story and base, frame, \$4,600 Redwood City, San Mateo Co., Cal. Architect, J. W. Plachek, Acheson Bldg., Berkeley. Owner, Mr. Stanford Elliott. The dwelling has been designed for a seven-room house with bath and sleeping porch. Interior finish will be of pine with some white enamel in the bed rooms. Hardwood floors will be used in the principal rooms. There will be furnace heat and open fire places. Mantels will be of tile or brick. An automatic water heater will be installed. Bathroom will be finished in tile. Exterior of the dwelling will be covered with shingles. Plans are complete and figures are now being taken.

REDWOOD TANKS—Cost not stated San Jose, Santa Clara Co., Cal. Engineer, County Surveyor, San Jose. Owners, Santa Clara County. Plans are complete and figures will be opened on June 28th for furnishing the county with 15 3,000-gallon standard redwood tanks, 9 feet in diameter and 7 feet high, round hoop banded, to be delivered knocked down at Congress Junction. Plans and specifications can be secured from the County Clerk at San Jose.

CRUSHED ROCK—Cost not stated. San Jose, Santa Clara Co., Cal. Engineer, County Surveyor, San Jose. Owners, Santa Clara County. Bids will be opened on June 28th for furnishing the county with 3,125 cubic yards of crushed rock for use in Road District No. 5. Complete information can be secured from the County Clerk at San Jose.

WROUGHT IRON PIPE AND FITTINGS—Cost not stated. San Jose, Santa Clara Co., Cal. Engineer, County Surveyor, San Jose. Owners, Santa Clara County. Bids will be opened on June 28th for furnishing the county with 29,000 feet one-inch galvanized standard wrought iron pipe, and one-inch standard fittings. Complete information can be secured from the County Clerk at San Jose.

BUILDING CONTRACTS**SAN MATEO COUNTY.****FRAME RESIDENCE**

LOT 7 BLK 161, Map of South San Francisco. All work for one-story frame residence.

Owner.....South San Francisco Land & Improvement Co., South San Francisco.

Architect...None.

Contractor...Ed. Jorgensen & H. H. Stark, San Mateo County.

Filed June 15, '15. Dated June 12, '15.

Building enclosed\$350

Completed and accepted.....350

Usual 35 days.....400

TOTAL COST, \$1100

Two Bond, \$550 each. Sureties, P. Pala and H. Scampini. Limit, 60 days. Forfeit, none. Plans and specifications filed.

SCHOOL HOUSE

LOTS 1 AND 2 BLK 58 Map of the First Addition to Farrallone. Plumbing, tinning and sheet metal work for school house.

Owner.....Montara School District

Bd. of Trustees, Farrallone.

Architect...J. B. Ogborn, 822 MacDonald Ave., Richmond.

Contractor...C. F. Meyer, Moss Beach.

Filed June 12, '15. Dated June 5, '15.

Roughed in50%

When completed25%

Usual 35 days.....25%

TOTAL COST, \$825

Bond, limit, forfeit, plans and specifications, none.

ALTERATIONS

NO. 128 BELLEVUE AVE; Lot No. 52 Sub No. 1 of San Mateo Park, San Mateo. Labor, materials and mechanical workmanship, painting, plumbing, lathing, plastering, etc., for alterations and additions to two-story frame residence.

Owner.....S. Waldo Coleman, San Mateo.

Architect...Thos. F. Edwards, Bank Bldg., Burlingame.

Contractor...Wm. S. Leadley, San Mateo

Filed June 15, '15. Dated June 14, '15.

Additions enclosed\$500

Painting completed500

When completed720

Usual 35 days.....575

TOTAL COST, \$2295

Bond, \$1148. Sureties, Charles Hopper, Eliza A. Hopper and E. O. Hessler. Limit, 60 days. Forfeit, none. Plans and specifications filed.

COMPLETION NOTICES**SAN MATEO COUNTY.****RECORDED**

June 11, 1915—PLOT "I" SEC 4, LOT 1

Home of Peace Cemetery, J J Mack

to The Raymond Granite Co.....

.....June 8, 1915

June 11, 1915—LOTS 14 AND 16 BLK

20, Redwood Highlands, Redwood.

Redwood Highlands Co to whom it

may concern.....June 3, 1915

June 11, 1915—LOT 12 BLK 21, Red-

wood Highlands, Redwood. Red

wood Highlands Co to whom it

may concern.....June 1, 1915

June 11, 1915—LOTS 10 AND 12 BLK

20, Redwood Highlands, Redwood.

Redwood Highlands Co to whom it

may concern.....June 2, 1915

June 11, 1915—LOT 8 BLK 38, Red-

wood Highlands, Redwood. Red-

wood Highlands Co to whom it may

concern.....May 16, 1915

June 11, 1915—LOT 5 BLK 24, Red-

wood Highlands, Redwood. Red-

wood Highlands Co to whom it may

concern.....June 4, 1915

June 14, 1915—PTN LOT 15 Map of

Villa Lots at Fair Oaks, (Ather-

ton). Elsa R Well to Frank W

Fox.....June 10, 1915

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place. Specification No. 83, reinforced concrete culvert across Sycamore Slough at the Sachreiter place. Specification No. 87, reinforced concrete culvert across Sycamore Slough at the J. L. Davis place. Specification No. 91, reinforced concrete culvert across Dry Slough at the Dry Slough School House. Specification No. 86, reinforced concrete bridge across Lurline Creek at the southwest corner of section 16.

SCHOOL—1 story and base, brick. Cost not stated. Richmond, Contra Costa Co., Cal. Architect, James T. Narbett, Berry Bldg., Richmond. Owners, City of Richmond. The building will be known as the Pullman School. There will be four class rooms. Interior will be finished in pine. Maple floors will be used in the class rooms. There will be a central heating system with an oil burning plant. Exterior of the building will be faced with pressed brick. Plans are being prepared.

Contracts Awarded

STREET IMPROVEMENT AND CONDUITS—\$12,172. Petaluma, Sonoma Co., Cal. Engineer, City Engineer, Petaluma. Owners, City of Petaluma. Contractors, Eaton & Smith, S. F. Contract price, \$12,172.

STREET IMPROVEMENT — \$2,000. Santa Rosa, Sonoma Co., Cal. Engineer, City Engineer, Santa Rosa. Owners, City of Santa Rosa. Contractor, W. H. Locke, Santa Rosa. Contract price, \$2,000.

STREET PAVING, GUTTERS, ETC. —\$20,985.99. Sausalito, Marin Co., Cal. Engineer, City Engineer, Sausalito. Owners, City of Sausalito. Contractors, Clark-Henry Co., Ochsner Bldg., Sacramento. Contract price, \$20,985.99.

OIL STORAGE TANKS — 3, steel, \$30,000. Avon, Contra Costa Co., Cal. Engineer, A. F. Bell, Sharon Bldg., S. F. Owners, Associated Oil Co. Contractors, Llewellyn Iron Works, L. A. Contract price, \$30,000.

CRUSHED ROCK—Cost as follows. Santa Rosa, Sonoma Co., Cal. Engineer, City Engineer, Santa Rosa. Owners, City of Santa Rosa. Contractor, P. Maroni, Santa Rosa. Contract price, 3,000 cubic yards at \$1.60, \$1.45 and \$1.35 per cubic yard.

SCHOOL ALTERATIONS — Frame, \$5,500. Benicia, Solano Co., Cal. Architect, Henry C. Smith, Humboldt Bank Bldg., S. F. Owners, Town of Benicia. Contractors, Ludden & Lambely, Benicia. Contract price, \$5,500.

OIL REFINERY EQUIPMENT — \$38,153. Avon, Contra Costa Co., Cal. Engineer, Arthur F. L. Bell, Sharon Bldg., S. F. Owners, Associated Oil Co. Contractors, Western Pipe and Steel Co., 444 Market street, S. F. Contract price, \$38,153.

BUILDING CONTRACTS

MARIN COUNTY.

FRAME BUILDING

FAIRFAX. All work for one-story frame building.

Owner.....G. Malpiede, 838 Filbert, San Francisco.

Architect...None.

Contractor...L. L. Jessup, Fairfax.

Filed June 14, '15. Dated June 1, '15.

Frame up\$383

When plastered 333

When completed 384
TOTAL COST, \$1150
Bond, limit, forfeit, none. Plans and specifications, none.

FRAME DWELLING

ROSS VALLEY PARK, San Anselmo.

All work for one-story and basement frame dwelling.

Owner.....Frank H. Allen, San Anselmo.

Architect...Harper & Schulze, Oakland
Contractor...B. A. & S. G. Trobeck, 1441 Larkin, San Francisco.

Filed June 18, '15. Dated June 16, '15.

Frame up\$1335

When plastered 1335

When completed 1335

Usual 35 days..... 1335

TOTAL COST, \$5340

Bond, none. Limit, 70 working days.
Forfeit, none. Plans and specifications filed.

BUILDING CONTRACTS

CONTRA COSTA COUNTY.

TANKS, TOWER, ETC.

AT COMPANY'S PLANT AT AVON. All work for two water seal top tanks, one two-compartment condenser box, one steam still tower, four water seal top run tanks, one combination steam and fire still, one agitator.

Owner.....Associated Oil Co., Sharon Bldg., San Francisco.

Engineer...Arthur F. L. Bell, Sharon Bldg., San Francisco.

Contractor...Western Pipe & Steel Co. of California, 444 Market, San Francisco.

Filed June 8, '15. Dated May 26, '15.

For the two 55,000 barrels water seal top tanks, 50% contract price, 10 days after the steel and other material therefor has been delivered at refinery sites; 25% of contract price on completion of said 2 tanks and remaining 25% 35 days after completion and acceptance of 2 tanks.....
For balance of work as follows:
On 10th day of each month.... 75%
Usual 35 days..... 25%

NOTE:—

2 55,000 bbl. tanks.....\$24,000

Condenser box 2,642

Steam still tower..... 969

4 2,000 bbl. run tanks..... 5,880

Combination steam & fire still 2,410

1000 bbl. agitator with extra

caulking 2,857

TOTAL COST, \$38,158

Bond, \$19,100. Sureties, C. B. Wells and J. W. Mason. Limit, forfeit, none. Plans and specifications filed.

COTTAGE

LOT 7 BLK 117 Amended Map City of Richmond. Duplicate in every detail as of house No. 1114 Barret Ave., now occupied by Contractor, except following: Change leaded glass book case doors to plain glass, omit flower box in front, leave out switches in all rooms except front hall, front porch, living room and dining room. Put in green shades on two sides for one-story cottage.

Owner.....H. J. Steen.

Architect...None.

Contractor...Norman E. Anderson, 315 Nevins Ave., Richmond.

Filed June 12, '15. Dated June 4, '15.

When enclosed\$350

Plaster on 350
When completed 350
Usual 35 days..... 350
TOTAL COST, \$1400

Bond, none. Limit, 60 working days.
Forfeit, none. Plans and specifications filed.

FRESNO, MODESTO STANISLAUS AND CENTRAL CALIFORNIA

ROAD IMPROVEMENT — Cost not stated. Bakersfield, Kern Co., Cal. Engineer, County Surveyor, Bakersfield. Owners, Kern County. Plans and specifications for the grading of a stretch of county highway extending 1.40 miles from the beginning of the McKittrick hills to the city limits of that town were approved by the Board of Supervisors and advertisements for bids on the contract were authorized. Bids will be received by the Board until 10 o'clock on the morning of July 7th. This work includes division 5, section 3, Bakersfield-McKittrick road. The contract calls for grading only, this being preliminary to the laying of the surfacing.

BRIDGE—Concrete and steel. Cost not stated. Modesto, Stanislaus Co., Cal. Engineer, County Surveyor, Modesto. Owners, Stanislaus County. The County Surveyor has been instructed to prepare plans and specifications for the construction of a bridge at Roberts Ferry.

SCHOOL—1 story, frame. Cost not stated. Jackson School District, Stanislaus Co., Cal. Architect, Ernest J. Klump, Rowell Bldg., Fresno. Owners, Jackson School District. The building will contain four class rooms. Interior will be finished in pine. There will be a central heating system and oil burning equipment. Exterior will be covered with cement plaster. Plans are complete and figures are being taken. Bids will be opened on June 30th.

ADMINISTRATION BUILDING — 2 story and base, reinforced concrete. Cost not stated. Oakdale, Stanislaus Co., Cal. Architect not selected. Owners, Oakdale Irrigation District. The Oakdale Irrigation District will shortly have a new central office building, which will be erected in the town of Oakdale. The building to be erected will be a two-story and basement reinforced concrete structure costing \$10,000. Plans are being submitted by Architects Stone & Wright, Stockton; Henry F. Starbuck, Fresno, and Bright & Edstrom, Riverbank.

Contracts Awarded

EXHIBIT BUILDING—1 story, frame and plaster. \$7,875. Fresno, Fresno Co., Cal. Architect's name not given. Owners, Fresno County. Contractors, Cowan & Son, Fresno. Contract price, \$7,875.

ORNAMENTAL LIGHTING SYSTEM —\$4,185. Riverbank, Stanislaus Co., Cal. Engineer's name not given. Owners, Town of Riverbank. Contractors, Pacific Fire Extinguisher Co., S. F. Contract price, \$4,185.

STREET PAVING—Cost not stated. Turlock, Stanislaus Co., Cal. Engineer, Cit Engineer, Turlock. Owners, City of Turlock. Contractors, The Worswick Paving Co., Modesto. Contract price not stated.

STREET PAVING, ETC.—Cost not stated. Bakersfield, Kern Co., Cal.

Engineer, City Engineer, Bakersfield. Owners, City of Bakersfield. Contractors, Thompson Bros., Fresno, improvement of Chester avenue and G street. Cost not stated. Wetzel & Larsen, Bakersfield, improvement of 25th street between N and P streets. Cost not stated.

BUILDING CONTRACTS

FRESNO COUNTY.

DWELLING

LOTS 29 AND 30 BLK 110, Fresno. All work for dwelling.

Owner.....A. L. Hoover, 1640 I St., Fresno.
Architect...E. J. Kump, 227 Rowell Bldg., Fresno.
Contractor..W. H. Minard, 319 Abby, Fresno.
COST, \$4615

DWELLING

LOTS 1 AND 2 BLK 336, Fresno. All work for dwelling.
Owner.....F. W. Littlefield, 1663 J St., Fresno.
Architect...None.
Contractor..T. P. Reese, 1298 Elmhurst St., Fresno.
COST, \$4500

E. H. Williams

Chalmer Munday

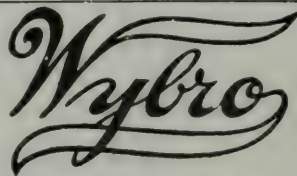
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DWELLING

LOT 33 BLK 21 Alta Vista Addition, Fresno. Dwelling.
Owner.....Walter Enright, 1430 K St., Fresno.
Architect...None.
Contractor..C. W. Smith.
COST, \$2400

DWELLING

LOTS 11 AND 12 BLK 1, Orchard Hill Addition, Fresno. All work for dwelling.
Owner.....Mrs. Alice Erwin.
Architect...None.
Contractor..Ole Synoground.
COST, \$1000

BRICK BUILDING

PTN LOT 10 BLK "J," Selma. All work for two-story and basement brick building.
Owner.....J. M. Burne, 1427 I St., Fresno.
Architect...Anton Johnson, 1427 I St., O. L. Broline.
Contractor..J. P. Olson, J. A. Moore & G. C. Sinclair.
Filed June 9, '15. Dated May 29, '15.
1st floor joists in.....\$ 500.00
Brick work completed and roof on 1600.00
Completed 1261.25
Usual 35 days..... 1133.75
TOTAL COST, \$4495.00
Bond, \$2247.50. Sureties, R. R. Porter and J. T. McCann. Limit, 75 days. Forfeit, none. Plans and specifications filed.

DWELLING AND GARAGE

LOT 13 SE ½ LOT 12 BLK 163, Fresno. All work for two-story frame dwelling and garage.
Owner.....Minnie D. Clinch.
Architect...Glass & Butner, 3 Republican Bldg., Fresno.
Contractor..J. P. Williams & McRoy De Vese, 2406 Mariposa St., Fresno.
Filed June 10, '15. Dated June 2, '15.
2nd floor joists in place.....\$ 700
Roof on 700
Plastered 700
Completed 700
30 days after..... 1239
TOTAL COST, \$4039
Bond, \$2020. Surety, American Surety Co. Limit, 70 days. Forfeit, \$1. Plans and specifications filed.

DWELLING

LOT 2 BLK 12 Park Addition, Fresno. Dwelling.
Owner.....Stewart.
Architect...None.
Contractor..John Nail, 622 Palm St., Fresno.
COST, \$1800

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DWELLING

LOT 5 BLK 5 Cedar Park, Fresno.
Dwelling.
Owner.....M. J. Knickerbocker, 120
Jensen St., Fresno.
Architect...None.
Day's work. COST, \$1500

DWELLING

LOTS 1 AND 2 BLK 26, Belmont Add'n.,
Fresno. Dwelling.
Owner.....T. A. Gall, 1801 Belmont,
Fresno.
Architect...None.
Contractor...Dan Blosser, 217 Abby St.,
Fresno.
COST, \$1400

COMPLETION NOTICES

FRESNO COUNTY.

RECORDED ACCEPTED

June 15, 1915—LOTS 17 TO 20 BLK
364, Fresno. Walter W and Dora
Standifer to whom it may concern
.....June 4, 1915
June 14, 1915—S 275 FEET LOT 32,
Bloomington Park, Fresno. W H
Litchfield to whom it may concern
.....May 1, 1915
June 12, 1915—LOTS 28 AND 29 BLK
74, Fresno. Vartan Jermagian to
whom it may concern. June 10, 1915

LIENS FILED.

FRESNO COUNTY.

RECORDED AMOUNT
June 15, 1915—LOT 14 BLK 1, Wilkin-
son Add'n, Del Ray. Hume-Bennett
Lumber Co vs R R Fantz.....\$106
June 15, 1915—LOTS 1 AND 2 BLK 7,
K B Heights, Fresno. S Flores vs
Wm H Mackinnon.....\$67
RECORDED AMOUNT
June 10, 1915—LOTS 7 TO 10 BLK 71,
Fresno. A W Gearhart, 92; E E
Elzea and J C Kerr, \$129 vs H H
Brix, John Meagher, Jr, Thos W
Costello, Wm Samis, Geo Kasuelsis
and Theo Geanopulos.....

NOTICE OF NON-RESPONSIBILITY.

FRESNO COUNTY.

June 16, 1915—S ½ OF SE ¼ OF SE
¼ of Sec 35, 20-14, Fresno. Section
Oil Co as to improvements on
leased property

**SACRAMENTO, STOCKTON AND
NORTHERN CALIFORNIA.**

RANCH RESIDENCE, ETC.—2 story
and base, frame, \$15,000. Red Bluff,
Tehama Co., Cal. Architect's name not
given. Owner, Frank Miller, Red Bluff.
Mr. Miller, who owns a large ranch
near Red Bluff, has announced that he
has had plans prepared for extensive
improvements to be made at the ranch
this summer. A new residence for the
manager will be erected. Also a num-
ber of out buildings and extensive
fencing. Work will be done by Day
Labor.

STATE HIGHWAY CONSTRUCTION
—Cost not stated. California. Engi-
neer, State Highway Commission, For-
um Bldg., Sacramento. Owners, State
of California. Bids will be opened on
July 6th by the State Highway Com-

mission for road construction in the
following counties: Tehama, 12.7
miles; Glenn, 9.4 miles; Contra Costa,
3.5 miles; Tulare, 6.4 miles, and Tu-
lare, 3.9 miles. Plans and specifica-
tions can be secured from the High-
way Commission or its branch offices
in San Francisco and Los Angeles. An
official proposal appears in another
column of this issue.

STORM WATER AND SANITARY
SEWERS—Cost not stated. Stockton,
San Joaquin Co., Cal. Engineer, City
Engineer, Stockton. Owners, City of
Stockton. By a vote of 6 to 1 this
city authorized a bond issue of \$200,-
000 for storm water sewers, and \$350,-
000 for sanitary sewers, a total of
\$550,000. Plans and specifications for
this work have already been prepared,
and it is possible that bids on the con-
struction will be issued at an early
date. The works will probably be con-
structed in units.

STREET PAVEMENT — Cost not
stated. Sacramento, Cal. Engineer,
City Engineer, Sacramento. Owners,
City of Sacramento. The City Commis-
sion has instructed the City Engineer
to prepare plans and specifications for
the improvement of Front street from
N to Q with basalt blocks, and Front
from Q to S with a six-inch asphalt
pavement.

LEVEE REPAIRS—Cost not stated.
Yuba City, Sutter Co., Cal. Engineer's
name not given. Owners, Levee Dis-
trict No. 1, Yuba City. Bids will be
opened on June 28th for repairs to one
section of levee, a total length of 1,609
feet and involving approximately 30,-
000 cubic yards of materials. The
work is located on the T. E. Holmes
ranch about 7½ miles out of Yuba
City. Complete information can be
secured from the office of Levee Dis-
trict No. 1 at Yuba City.

HIGHWAY BRIDGES—2, steel and
concrete. Cost not stated. Siskiyou and
Shasta Counties, Cal. Engineer, State
Highway Commission, Forum Bldg.,
Sacramento. Owners, State of Califor-
nia. The State Highway Commission
will shortly advertise for bids for the
construction of two reinforced con-
crete bridges to be erected across the
Pitt River and the Sacramento River.
The Pitt River bridge will be 400 feet
long, including the approaches, and
the main arch will be 250 feet long.
This bridge will be located in Shasta
County. The bridge over the Sacra-
mento River will be at Dunsmuir in
Siskiyou County and will be 530 feet
long. Bids will be opened on July 6th
or 7th.

SCHOOL—2 story and base. Class C
construction, \$90,000. Red Bluff, Te-
hama Co., Cal. Architect, W. H.
Weeks, 75 Post street, S. F. Owners,
City of Red Bluff. The building will
probably contain sixteen class rooms,
assembly hall, an auditorium and de-
partments for domestic science and
manual training. Interior will be fin-
ished in pine with maple floors in the
class rooms. There will be steam
heat, an oil burning system, program
clocks and vacuum cleaning. Exteri-
or will be faced with pressed brick
or cement plaster. Working drawings
will not be prepared until the result of
the bond election to secure funds is
known. Further mention will be made
of the work.

Contracts Awarded

CEMENT FOR BRIDGES—Cost not
stated. Auburn, Placer Co., Cal. En-
gineer, County Surveyor, Auburn. Own-
ers, Placer County. Contractors, Pa-
cific Portland Cement Co., S. F. Con-
tract price not stated.

STREET PAVING—\$52,373.40. Grid-
ley, Butte Co., Cal. Engineer, City En-
gineer, Gridley. Owners, City of Grid-
ley. Contractors, Clark-Henery Co.,
Ochsner Bldg., Sacramento. Contract
price, \$52,373.40.

SCHOOL—1 story and base, frame,
\$9,811. Stockton, San Joaquin Co., Cal.
Architects, Stone & Wright, 24 South
California street, Stockton. Owners,
City of Stockton. Contractors, Chirhardt
& Nystedt, Stockton. Contract price,
\$9,811.

BUILDING CONTRACTS.

SAN JOAQUIN COUNTY.

SANITARY SYSTEM

VINE ST., bet. California and San
Joaquin streets, Stockton. All work
for the installation of a sanitary
system in the high school.
Owner.....High School Board of Edu-
cation of Stockton.
Architect...Stone & Wright, San
Joaquin Valley Bank Bldg.,
Stockton.
Contractor...Edward L. Gnekou, 647 E-
Main St., Stockton.

Filed June 16, '15. Dated June 12, '15.
On 1st of each month..... 75%
Usual 35 days..... 25%
TOTAL COST, \$4685
Bond, \$2342.50. Surety, Hartford Acci-
dent & Indemnity Co. Limit, Sept. 1.
Forfeit, \$5. Plans and specifications
filed.

COMPLETE SCHOOL

LINDSAY ST., bet. Sierra Nevada and
East, Stockton. All work for com-
pletion of the New Jefferson School.
Owner.....Stockton Board of Educa-
tion.
Architect...Stone & Wright, San
Joaquin Valley Bank Bldg.,
Stockton.

Contractor...Chirhart & Nystedt, 1048
N-Sierra Nevada, Stockton.
Filed June 17, '15. Dated June 15, '15.
On 1st of each month..... 75%
Usual 35 days..... 25%
TOTAL COST, \$9661
Bond, \$4830.50. Surety, The Pacific
Coast Casualty Co. Limit, 60 days.
Forfeit, \$5 per day. Plans and speci-
fications filed.

FRAME BUILDING

S ½ LOTS 2 AND 4 BLK 114 E of Cen-
ter Street, Stockton. All work for
two-story frame building.
Owner.....C. G. Brignoli, 152 W-
Walnut, Stockton.
Architect...Walter King, San Joaquin
Bldg., Stockton.
Contractor...A. J. McPhee & Sons, 5 N-
California, Stockton.

Filed June 8, '15. Dated June 8, '15.
Excavating done\$ 200
Frame up 1075
Building enclosed 1075
Plastering completed 1075
When accepted 1075
Usual 35 days..... 1600
TOTAL COST, \$6300
Bond, \$3300. Sureties, John Arata and
E. A. Whale. Limit, 90 days. Forfeit
none. Plans and specifications filed.

COMPLETION NOTICES

SAN JOAQUIN COUNTY.

RECORDED ACCEPTED
 June 8, 1915. W. E. LOT 1 BLK 14.
 Lodi H. W. Sievers & J. Gatzert to
 E. T. Wisner. June 7, 1915
 June 10, 1915. LOT 10 BLK 7 Yo-
 semite Terrace, Stockton. George
 Sievers to A. J. McPhee & Sons.
 June 5, 1915

LOS ANGELES AND SOUTHERN CALIFORNIA.

BRIDGE—Steel and reinforced concrete, \$20,000. Santa Barbara, Santa Barbara Co., Cal. Engineer, City Engineer, Santa Barbara. Owners, City of Santa Barbara. Bids will be received by the City Council up to 12 o'clock noon, June 24th, 1915, for the construction of a reinforced concrete bridge in this city. Bids will be taken on four sets of plans prepared by City Engineer Cook, Mayberry & Parker, Llewellyn Iron Works and E. T. Flaherty. The cost is estimated at about \$20,000. A certified check or bond for 10% is required. A. Christine Holmberg is the City Clerk. Plans are on file in the office of the City Engineer.

BRIDGE—Steel and concrete. Cost not stated. Calexico, Imperial Co., Cal. Engineer, City Engineer Harry E. Foster, Calexico. Owners, City of Calexico and Imperial County. As a result of the conference held recently between City Engineer Harry E. Foster, County Surveyor C. N. Perry and Supervisor John Boyce, a survey will be made for the location of the new bridge across New River at the west end of Second street. According to the present plans the new structure will be moved 80 feet to the north, the western approach to be level and eastern end to have a slight grade. The Mercereau Bridge and Construction Co. of Los Angeles is said to be willing to construct the bridge for the city and county, allowing nine months time for payment. No action, as yet, has been taken on the offer of the company. The bridge will be one span and about 17 feet above water.

SCHOOL—1 story, reinforced concrete, \$16,000. Cucamonga, San Bernardino Co., Cal. Architect, E. L. Hopkins, Byrne Bldg., L. A. Owners, Central School District of Cucamonga. The building will contain four class rooms, auditorium and departments for domestic science and manual training. Interior will be finished in pine. There will be a central heating system. Exterior of the building will be faced with cement plaster. Plans are complete and out for figures. Bids will be opened on June 28th. Plans and specifications can be secured from the architect.

SCHOOL ADDITION—2 story and base, brick, \$30,000. Architects, John P. Kemple and Walter E. Erkes, Henne Bldg., L. A. Owners, City of Los Angeles. The building has been designed for a six room addition to the present building at 15th avenue and Washington street. Besides the class rooms there will be a large auditorium. Interior will be finished in pine with maple floors in the class rooms. The

present steam heating system will be extended into the new portion of the building. Exterior will be faced with pressed brick. Plans are now being prepared.

Plans are also being prepared for a similar addition to the building at the corner of Hobart Boulevard and 10th street. The cost will also be in the neighborhood of \$30,000.

SCHOOL—2 story and base, brick, \$63,806. Los Angeles, Cal. Architects, Dennis & Hewitt, Fay Bldg., L. A. Owners, City of Los Angeles. Contractors, Charles W. Kent & Son, Glendale, general construction, \$63,806. Foss & Jones, Pasadena, heating and ventilating. H. E. Zelinsky, H. W. Hellman Bldg., L. A. painting. Note: Plumbing on this work has not been awarded.

BANK AND STORES—1 and 2 story and base, brick. Cost not stated. Tropico, Los Angeles Co., Cal. Architect, Myron Hunt, Hibernian Bldg., L. A. Owners, First National Bank of Tropico. The building will be erected on a corner lot and has been designed to contain the bank and eight stores in the one story section. The second floor will be arranged for modern offices. Special bank equipment, vaults and Bank fixtures are specified. Interior will be finished in pine and hardwood. Exterior of the building will be faced with pressed brick. Plans will be ready for figures within thirty days.

Contracts Awarded

PARISH HALL AND RECTORY—1 and 2 story, concrete and hollow tile, \$9,250 and \$10,000. Inglewood, Los Angeles Co., Cal. Architects, Frohman & Martin, Slavin Bldg., Pasadena. Owner, C. H. Howard. Contractor, R. S. Martin, Alhambra. Contract price, parish hall, \$9,250 and rectory, \$10,000.

OIL RESERVOIR—Reinforced concrete. Cost not stated. San Luis Obispo, San Luis Obispo Co., Cal. Engineer's name not given. Owners, Producers' Transportation Co. Contractors, Allison & Cole, San Francisco. Contract price not stated.

SCHOOL—1 story and base, brick, \$18,963. Los Angeles, Cal. Architect, Parker O. Wright, Security Bldg., L. A. Owners, City of Los Angeles. Contractors, Barber-Bradley Construction Co., 1824 East 15th street, L. A. Contract price, \$18,963.

PAROCHIAL SCHOOL—2 story and base, brick, \$19,000. Los Angeles, Cal. Architect, E. J. Borgmeyer, Stimson Bldg., L. A. Owners, Roman Catholic Church. Contractor, William Kirk, I. W. Hellman Bldg., L. A. Contract price, \$19,000.

SCHOOL—1 story and base, reinforced concrete, \$17,750. Los Angeles, Cal. Architect, Frank L. Stiff, Grosse Bldg., L. A. Owners, City of Los Angeles. Contractors, Broadway Construction Co., 235 East Washington street, L. A. Contract price, \$17,750.

PORTLAND AND OREGON

SUNDAY SCHOOL—3 story and base, reinforced concrete, \$40,000. Portland, Ore. Architects, Tourtellotte & Hummel, Rothenild Bldg., Portland. Owners, Methodist Episcopal Church. The building will be erected on the property on the corner of 12th and Taylor streets, and will cover a considerable ground area. Construction will be of reinforced concrete throughout. Inter-

rior has been arranged for large class rooms, main assembly hall, auditorium, separate study rooms and library. Interior finish will be of pine with some hardwood and maple floors. There will be steam heat and modern plumbing. Considerable art glass work is specified. Exterior of the building will be faced with cement plaster. A contract for the foundation work has already been let to J. A. Backstand, Chamber of Commerce Bldg., Portland. Plans are complete for the balance of the work and figures will be taken at once.

LIBRARY—2 story and base, brick or hollow tile, \$25,000. Pendleton, Ore. Architects, Johnson & Meyer, Commercial Club Bldg., Portland, associated with Raymond W. Hatch, Pendleton. Owners, City of Pendleton. Plans have been completed by the above mentioned architects for the proposed new Pendleton Carnegie Library, and have been forwarded to the Carnegie Corporation for final approval. The nature of construction has not yet been determined. Interior will be arranged for two large reading rooms, office for the librarian, and stack room. Interior will be finished in pine with maple floors and some hardwood veneer. Metal book stacks are specified. There will be steam heat, vacuum cleaning and modern lighting. Exterior of the building will be faced with stucco. Further mention of the work will be made when bids are called for.

SCHOOL—1 story and base, brick and tile, \$16,500. Sheridan, Ore. Architect, Ernest Kroner, Worcester Bldg., Portland. Owners, City of Sheridan. The building has been designed to contain six class rooms and an auditorium. Interior will be finished in pine with some maple floors. There will be steam heat and program clocks. Exterior of the building will be faced with pressed brick. Plans are complete and figures are now being taken.

BRIDGE—Steel and concrete. Cost not stated. Clatskanie, Ore. Engineer, County Surveyor, Clatskanie. Owners, Columbia County. Plans have been completed and are now out for figures for the construction of a steel and concrete road bridge over the Clatskanie River. Bids will be opened on June 26th. Plans and specifications can be secured from the office of the County Surveyor at Clatskanie.

DOCK—2 story, frame, \$20,000. Portland, Ore. Architects, Emil Schacht & Son, Commonwealth Bldg., Portland. Owners, Albers Bros. The dock will be erected on the west side of the Willamette River near Broadway, and will cover an area of 100 by 130 feet. Construction will be of the heavy mill type. There will be elevators and an automatic sprinkler system. Exterior will be covered with asbestos covered corrugated iron. Plans are complete and the work will be done by Day Labor.

JETTY WORK—\$200,000. Portland, Ore. Engineer, United States Engineer, Couch Bldg., Portland. Owners, United States Government. Bids will be received up to July 12th at 11 a. m. for the construction of the north and south jetties at the mouth of the Sluslaw River, for the enlarging and repairing the receiving wharves and the turnway which is used for carrying the rock. The north jetty will extend out about 300 feet and the south jetty

over 200 feet. The work is to be let in one general contract to include the diving of the piling, placing and delivering the rock, etc.

MUNICIPAL AUDITORIUM—2 story and base. Class A construction. Cost not stated. Portland, Ore. Architect, J. K. Freedlander, New York. Owners, City of Portland. At a recent meeting of the City Council, Architects Whitehouse & Foulhoux, Wilcox Bldg., who are working out plans for J. H. Freedlander of New York, the architect selected to design the new auditorium building for this city, presented detail drawings of the proposed structure, and they received the approval of the Council. The seating arrangement calls for 3,500 seats in the main auditorium, with 1,500 additional seats on the stage. The stage is to be made exceedingly large for accommodation of large theatrical productions. The seating arrangement gives the main auditorium a capacity of 5,000. Bids will be called shortly.

RESIDENCE — 2 story and base, frame, \$20,000. Portland, Ore. Architect, none. Owners, Oregon Home Builders, Northwest Bank Bldg., Portland. The dwelling will be erected for the President of the Oregon Home Builders, C. J. Jefferts, on property situated on Bryre Drive. The dwelling will contain twelve rooms, three baths and sleeping porch. Interior will be finished in pine with some hardwood and white enamel. Hardwood floors will be used in the principal rooms. There will be steam heat and open fire places. Mantels will be of tile and brick. Bath rooms will be finished in tile. A hot water heating system will be installed. Exterior of the house will be covered with granite veneer and cement plaster on metal lath. Plans are complete and the work will be done by Day Labor.

RESIDENCE—2½ story and base, frame, \$15,000. Astoria, Ore. Architects, Emil Schacht & Son, Commonwealth Bldg., Portland. Owner, C. W. Houston. The dwelling has been designed to contain twelve rooms and three baths. Interior will be finished in pine and white enamel with hardwood floors throughout. There will be a central heating system and open fire places. Mantels will be of tile. Bath rooms will be finished in tile and will be equipped with showers. A hot water circulating system will be installed. Exterior of the house will be covered with cement plaster. Plans are complete and in the hands of the owner who will do the work by Day Labor.

Contracts Awarded

SEWER CONSTRUCTION — \$20,000. North Bend, Ore. Engineer, City Engineer, North Bend. Owners, City of North Bend. Contractor, Edward Sandberg, 74 East 24th street, North Portland. Contract price, \$20,000.

SEATTLE AND WASHINGTON

ARSENAL—1 story and base, reinforced concrete. Seattle, Wash. Architect's name not given. Owners, United States Government. According to word received from Brigadier General M. Thompson, Haight Bldg., Seattle, the lowest bid received for the construction of the new arsenal building at the encampment grounds, Cosgrove, American Lake, show John Wal-

lin & Co., 850 South Fife street, Tacoma, Wash., low on this work. Bids were taken on several alternate propositions. The average cost of construction is \$18,889. Sixteen firms submitted figures on the work. No action looking towards an award has yet been taken. Further mention will be made of the work.

BRIDGES—Steel bascule type, \$370,000. Seattle, Wash. Engineer, City Engineer Dimock, Seattle. Owners, City of Seattle. Bids will be received by the Board of Public Works until 10 a. m. July 23rd for the construction of two of the Lake Washington Canal bridges, one at 15th avenue NW. and the other at Fremont. The latter will cost \$370,000 exclusive of approaches, which may be built by Day Labor, at a cost of \$90,000, and the former \$430,000. Both will be of the bascule type. The bids will be received for any of the following: (a) concrete substructure; (b) steel superstructure; (c) operating machinery or for the work as a whole. It is estimated by City Engineer Dimock that the work will require about one year to complete.

BRIDGE—Reinforced concrete, \$13,798. Tumwater, Wash. Engineer, County Surveyor William Yeager, Jr., Olympia. Owners, Thurston County. Contractor, Charles G. Huber, Central Bldg., Seattle. Contract price, \$13,798.

CHURCH—2 story and base, frame. Cost not stated. San Francisco. Architect, T. Makkonen, 405 Van Ness avenue, S. F. Owners, First Finnish Evangelical Lutheran Church. The building will be erected on Harrison street and has been designed to contain social halls and Sunday school rooms, besides the main auditorium. Interior will be finished in pine. There will be some art glass. Exterior of the building will be covered with ship-lap and cement plaster. Plans are complete and the work will be done by Day Labor.

Contracts Awarded

POWER HOUSE—1 story and base, reinforced concrete, \$60,000. Ellensburg, Wash. Engineer's name not given. Owners, City of Ellensburg. Contractors, W. A. Kramer & Co., Chamber of Commerce Bldg., Portland. Contract price, \$60,000.

AUDITORIUM AND ARENA—2 story and base, reinforced concrete and steel, \$100,000. Seattle, Wash. Architects, Howell & Stokes, Henry Bldg., Seattle. Owners, Metropolitan Building Co. Contractors, Grant Smith & Co., Henry Bldg., Seattle. Contract price, \$100,000.

PAVING COMPANY INCORPORATES.

MODESTO, Stanislaus Co., Cal.—The Worswick Paving Company has filed articles of incorporation in this city with a capital stock of \$50,000, with \$30,000 subscribed. The directors of the company are W. H. Worswick, Jr., J. C. Worswick, Thomas O. Thorn, T. E. Drake and Harold Johnson. The principal place of business will be at Modesto.

NEW GOVERNMENT CHEMICAL LABORATORY.

The United States Bureau of Standards has completed the plans for its new chemical laboratory building, the cost not to exceed \$200,000, for which appropriation was made by Congress last winter. The architects, Donn &

Deming, have drafted the specifications, which are about to go to press. It is expected that advertisements for proposals for the construction of this laboratory will be published during June.

The laboratory will be located on Pierce Mill Road, near Connecticut Avenue, in the northwest suburbs of Washington, D. C., and will form the seventh of the group of special laboratory buildings erected for the bureau.

COMMUNICATION BETWEEN VLADIVOSTOK AND AMERICA.

[Consul General John H. Snodgrass, Moscow, Russia, May 11.]

To promote the exchange of goods between Russia and America, the representative of the Canadian Railway has suggested to the Russian Ministry of Finance the establishment of special communication between the port of Vladivostok and American ports. This question has been referred to the May conference on international communication, and of, after investigation, it is decided in the affirmative, the conference will discuss the means of organization and the conditions under which communication is to be established.

STANDARDS FOR ELECTRICAL SERVICE.

A representative of the United States Bureau of Standards has been in conference with public-service commissions and managers of public-service corporations in various parts of the country. The information so obtained has been used in preparing the bureau's forthcoming circular on "Standards for Electric Service." Another representative of the bureau spent the entire month in the South, making measurements of street illumination and electric current in the street-lighting systems of a number of cities and towns. The result of the investigation will form the basis of a circular on street lighting.

PRODUCTION AND SHIPMENTS OF PORTLAND CEMENT, 1914.

Figures Gathered by United States Geological Survey Show Decrease in Both Quantity and Value of Output.

The total production of Portland cement in the United States in 1914, according to Ernest F. Burchard, of the United States Geological Survey, was 88,230,170 barrels, valued at \$81,780,368; the production for 1913 was 92,097,131 barrels, valued at \$92,557,617. The output for 1914 represents a decrease in quantity of 3,866,961 barrels, and a decrease in value of \$10,768,249. The value assigned to the production is computed on the basis of 92.7 cents a barrel, or the average value of the Portland cement shipped in 1914.

The shipments of Portland cement from the mills in the United States in 1914 amounted to 86,437,956 barrels, valued at \$80,118,475, compared with 88,689,377 barrels, valued at \$89,106,975, shipped in 1913. This represents a decrease in quantity of 2,251,421 barrels, and in value of \$8,988,500. The average factory price per barrel in bulk was 92.7 cents, compared with

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\$1.005 in 1913, a decrease of 7.8 cents a barrel. This price is about 11.8 cents higher than the average price in the Lehigh district and is near the average price in New York, Illinois, Iowa, the Southeastern States, and the Plains States, but falls 42.5 cents below the average price received in Utah, where Portland cement brought the highest figure during the year.

Among the States there were unimportant changes in rank as cement producers. Pennsylvania and Indiana held first and second places respectively, as for many years, but both of these large cement-producing States suffered an appreciable reduction of output. In 1913 the output of California exceeded that of New York and Illinois, but in 1914 this State dropped from third to fifth place. New Jersey dropped from seventh to ninth place, having been passed by both Michigan and Iowa in 1914. The State of Kansas, which has attracted considerable attention in the cement world, first because of the rapid development of the industry within its borders on account of the proximity of abundant supplies of suitable raw material and cheap natural gas, and later because of the waning of the gas supply and the consequent increase in cost of manufacture of cement which resulted in curtailment of output, maintained its rank of tenth among cement producers and suffered but little reduction of output, although the price of cement here fell considerably below the average. Iowa and Ohio both showed gratifying increase in output and appear also to have kept prices up more successfully than many other States. In the far West, in Washington, conditions were brought into better balance by a considerable curtailment of production and an increase in shipments, although prices fell heavily; in Utah production was largely and shipments slightly increased, and prices were also increased. The only

other States showing increase of prices were New Jersey and Texas.

Of the twelve commercial districts into which the United States is divided, there was an increase in production in five—New York, Michigan, northeastern Indiana, Maryland-West Virginia, Iowa-Missouri, and the Rocky Mountain States—and an increase in shipments in seven—New York, Ohio-western Pennsylvania, Michigan-northeastern Indiana, Kentucky-southern Indiana, Maryland-Virginia-West Virginia, Iowa-Missouri, and the Rocky Mountain States. There were decreases in production in seven districts—Lehigh, Ohio-western Pennsylvania, Kentucky-southern Indiana, Illinois-northwestern Indiana, Tennessee-Alabama-Georgia, Great Plains and Pacific Coast, and decreases in shipments in five districts—Lehigh, Illinois-northwestern Indiana, Tennessee-Alabama-Georgia, Great Plains, and Pacific Coast. The largest percentage of increase of production was reported from New York, but the increase in shipments in that district was only half as great. The districts that showed the heaviest percentages of decrease in both production and shipments were the Tennessee-Alabama-Georgia district and the Pacific Coast.

FUSIBLE TIN BOILER PLUGS.

The investigation of fusible tin-boiler plugs has been completed at the Bureau of Standards and presented for publication. It is believed that there can now be no excuse for boiler explosions from imperfect plugs if the Bureau findings are followed, namely, to use tin at 99.9 per cent purity and free from zinc, a requirement easily met, but which has not been the actual practice in many cases.

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Pacific Coast Steel Company.
Trussed Concrete Steel Company.
Woods & Huddart
- Iron Works.**
Brode Iron Wks.
Dyer Bros.
Eureka Wire & Iron Wks.
Golden Gate Iron Works
Hillard Co., C. J.
Kell Iron Works
Michel & Pfeffer
Monarch Iron Works
Pacific Iron Wks.
Pacific Structural Iron Works.
Ralston Iron Works
S. F. Iron Works
Sartorius Co.
Schraeder's Iron Works
Steiger & Kerr
Stove & Foundry Co.
Vulcan Iron Wks.
West Coast Wire & Iron Works
Western Iron Works
- Joint Hangers & Post Caps.**
Falls Mfg. Co.
Pac. Bldg. Materials Co.
Roman Co., C.
Waterhouse & Price Co.
Western Bldg. Supply Co.
- Lathers, Wood & Metal.**
Balzke, Robt.
Edwards, C. H.
Hayden, Fred
Kaiser, Jos.
McAbee, E. T.
Raymond, Wm. H.
Snell, Ralph L.
- Lighting Fixtures**
Day Co., Thomas
Mohill Co.
- Lime & Plaster Dealers.**
Arden Plaster Co.
Cal. Lime & Hydrate Co.
Cowell Lime & Cement Co.
Guerin & Co., J. S.
Lennon Co., J. E.
Pacific Portland Cement Co.
Western Lime & Cement Co.
- Lumber Dealers.**
Acme Lumber Co.
Christenson Lumber Co.
Columbia Lumber Co.
Doe Co., Frank P.
Excelsior Redwood Co.
Hardy Lumber Co.
Hartwood Lumber Co.
Hauptman Lumber Co.
Kruse Co., J. H.
Hooper Lumber Co.
Higgins Lumber Co., J. E.
Loop Lumber Co.
MacDonald Lumber Co.
Moore Mill and Lumber Co.
Oakley, —
Olson, — Mahony
Lumber Co.
Peterson, E. T.
Pope & Talbot
Reinart Mill & Lumber Co.
Ryan, George
Santa Clara Valley Mill & Lumber Co.
Santa Fe Lumber Co.
S. F. Lumber Co.
Schouten & Co., J. W.
Sunset Lumber Co.
Therman & Beronite
Van Arsdale-Harris Lumber Co.
Wilson Bros. & Co.
Wood Lumber Co., E. K.
Wright, Jr., Wm.
- Magnesite Flooring.**
Artolith Mfg. Co.
Bender R.&P. Co.
Dwan & Co., J. E.
Fibrestone & Roofing Co.
Flaherty R.&P. Co. R. H.
Goodman, A. K.
Malott & Peterson
Watsonite Co.
- Mantels, Tiles & Grates.**
General Building Work Co.
Ginsberg Bros.
Mangrum & Otter
Peerless Agencies Co.
- Marble and Mosaic Work.**
General Building Work Co.
Gnecco, M. H.
Grassi & Co., P.
Mission Concrete & Mosaic Wks.
Mission Marble Works.
Musto Sons-Kee-nan Co.
New Era Marble & Concrete Co.
Teltz, Francis E.
Tomagnini & Co., G.
Vermont Marble Co.
- Metal Lath.**
Atlantic Fireproofing Co.
Berger Mfg. Co.
Holloway Metal Lath Company.
- Waterhouse & Price**
Western Builders' Supply Co.
- Metal Stamping**
S. F. Metal Stamping & Corr. Co.
U. S. Metal Products Co.
- Notary Public.**
Duncan, A. M.
- Oils and Greases.**
Standard Oil Co.
Union Oil Co.
- Ornamental Plastering.**
Benkman, Ed. G.
- Painters and Decorators.**
Baker Co., W. T.
Bell, Wm. J.
Bernstein, Wm.
Blum, Louis
Brown, J. L.
Burns Bros.
Clark & Dickson
Cramer Bros.
Conlin, J. J.
Copnick, T. W.
Dahl, T. H.
Donovan, V. J.
Hansen, Elbing A.
Johnson, C.
Kissel, Isidor
Miller, L.
Miller, J. A.
McCubbin, James
Manning, John
Neal, L. J.
Progressive Painting Co.
Quandt & Son
Ruderman, I.
Simon Neilson Co.
Smith, J. S.
Sovig, C. B.
Trost, C. R.
Walk, Mayer
Wagner, Fred
Wagner Bros.
Zelinsky, R.
- Paints, Oils Varnishes, Etc.**
Clark & Dickson
Cohn & Co., Marion D.
Fuller Co., W. P.
O'Brien, J. S.
Paint Products Corporation
Paraffine Paint Co.
Pratt & Lambert
Whittier - Coburn Co.
- Patent Chimneys.**
Clawson Co., L. E.
Dresser - McDon-
Hughes, H. J.
- Pile Driving.**
Lamburth, C. E.
- Paving Brick.**
Cal Brick Co.
- Planing Mills.**
Acme Plgn. Mill
Anderson Bros.
Atlas Planing Mill Co.
Builders' Supply Depot
Cal. Door Co.
Cal. Planing Mill.
Emanuel, L. & E. (Inc.)
Empire Planing Mill
Hart & Burmeister
Herrmann, A.
Herring's Mill
Holden - Deuprey Co.
Lorden Mill Co., J. P.
Main St. Planing Premus Planing Mill
Reinart Lumber & Planing Mill
Ryan, George
- San Mateo Planing Mill**
Santa Clara Valley Mill & Lumber Co.
Spencer St. Planing Mill
Taylor & Co.
Western Planing Mill
Veyhle & Collins
- Plasterers.**
Bosch, Herman
Bradley & O'Reilly
Brennan, James
Campbell, Chas
Campbell & Williams
Connel Co., J. E.
Daly, J. H.
Duthie, Chas.
Gilmour, W. G.
Jones, Francis
Kaiser, Jos.
Leaf, Al.
MacGruer & Co.
Mellon, Thos.
Modica, S.
Mowat Donald
Philbin, J. J.
Sexton, T. D.
Terranova Bros.
Wagner, James A.
- Plumbing and Gas Fitting.**
Band, S. W.
Bernard, Geo. F.
Dunn, Neil H.
Goss, Wm. P.
Grundy, Ed.
Houston, J. J.
Kara, F. E.
Kiernan & O'Brien
Lacey, E. V.
Lauder, H. I.
Lawson, Herman
Lettich, Antone
Lettich, J. M.
Looney Co., J.
May, Gus
McLeod, J. J.
Penkerton, J. H.
Skelly, Thomas
Snook & Co., Fred W.
Turner Co., The
Wetzel, Theo.
Wilson & Co., W.
- Plumbers Supplies**
Kinney Co., R. W.
Mark-Lally Co.
Mueller Mfg. Co., H.
Nelson Mfg. Co.
Pac Sanitary Mfg Co.
Paragon Brass Mfg. Co.
- Radiators.**
American Radiator Co.
- Railway Materials**
Orenstein - Arthur Koppel Co.
- Rigging.**
Lamburth, C. E.
- Roofing, Gravel & Composition.)**
Bender Roofing & Paving Co.
Cantley & Co., J.
Enterprise Roofing Co.
Flaherty, R. H.
Keene Co., R. E. G.
Lawson Roofing Co.
Lewis, W. S.
Malott & Peterson
Raphel Roofing Co.
Samuel Co., H. D.
Watsonite Co.
Western Asbestos
Magnesia Co.
Western Felt and Refining Co.
- Roofing (Slate & Tile.)**
Graham, R. G.
Klatt, R. J.
White, Ed. A.
Fibrestone & Roofing Co.
- Roofing Materials.**
Johns - Manville Co., H. W.
Paraffine Paint Co
Waterhouse & Price
Western Asbestos
Magnesia Co.
Western Builders' Supply Co.
Whittier - Coburn Co.
- Sand, Gravel, Etc.**
Bay Devel. Co.
Cal. Building Material Co.
McMullin Bros.
Stone Co., E. B. & A. L.
Western Development Syndicate.
- Sanitary Garbage Chutes.**
Bill & Jacobsen
- Sand Blasting.**
McDermott, W.
- Sheet Metal Wks.**
Amsler Sheet Metal Works
Appman Cornice Works
Atlas Heating & Ventilating Wks
Capitol Sheet Metal Works
Comyns & Nygren
Cronan, Wm.
Crown Cornice Works
Forde Cornice Works
G. & M. Sheet Metal Works.
Gulfof Cornice
Hibernia Sheet Metal Works
Hughes, H. J.
Ideal Cornice Wks
Kerell & Co., J. A.
Modern Sheet Metal Works.
Morrison & Co.
Moncreiff Sheet Metal Works
S. F. Metal Stamping & Corr. Co.
U. S. Metal Products Co.
Western Furnace & Cornice Co.
- Sidewalk Lights.**
Jackson Co., P. H.
Dwan & Co., J. E.
Phoenix Sidewalk Light Co.
Weintraub & Moore
- Stair Builders.**
Bishop & Peralino
Boller, John
Jacobsen, J.
Porter, W. F.
Stewart, J. K.
- Stationery.**
Foster & Short
Wright, J. H.
- Steel Bars.**
Baker & Hamilton
Dawson & Noyes
Woods & Huddart.
- Pacific Coast Steel Co.**
Soule Co.
- Steel Erector.**
Schauer, Fred C.
Pioneer Con. Co.
Williams Construction Co.
- Store Fronts**
Kawneer Mfg. Co.
U. S. Metal Products Co.
- Structural Steel Contractors.**
Central Iron Wks
Dyer Bros.
Judson Mfg. Co.
Pacific Structural Iron Works
Pac. Rolling Mills
Schraeder's Iron Works.
S. F. Iron Works
Western Iron Supply Co.
- Stoves.**
Mangrum & Otter
Steiger & Kerr

Structural Steel Contractors.

Brode Iron Wks.
Dyer Bros.
Golden Gate Iron Works
San Francisco Iron Works
Ralston Iron Wks
Vulcan Iron Wks.

Surveyors.

Morser, E. J.
Quimby, L. S.
Wetherell, Chas E

Teaming & Grading.

Branick, J. P.
Blanchini, G.

Federal Transfer & Draying Co.

Carlin Bros.
Devencenzi & Co., L.
Dillon Teaming Co.

Federal Transfer & Draying Co.

Harbor View Contract Co.
Hule Co., E. M.

Lennon Co., J. E.
Leffler, Fred

McGlinchey & Monohan

Montague Co., P.
O'Day Co., D.

Powers, Chas. J.

Sibley Teaming & Grading Co.

Star Contracting Co.
Wright Co., J. H.

Tiling.

Cal. Tile Contr.Co.
Ginsberg & Co., S.
Mangrum & Otter
Peerless Agency Co.

Vacuum Cleaning.

Bill & Jacobson
Hughson & Mer-ton Co.

Schaer Bros.
Stevens Co., Frank A.

Hyde Henry C. United Elec. Co.

Wall Bed.
Marshall - Stearns Co.

Water Company.

Spring Valley Water Works.

Whitewashing.

Brickley, P. J.
Reigle & Jamelson Taylor, L. A.

Waterproofing.

Coyle, Jos. A.

Window Cleaning.

American Window Cleaning Co.

Windows, Patent.

Simplex Window Co.

Central Electric Co.

City Electric Co.
De Lew, M. A.

Decker Electric Co.

Globe Elec. Co.
Levy Elec. Co.

Elevators.

Otis Elevator Co.
Van Emon Elevator Co.

Fibre.

S. F. Fibre & Cordage Co.

Fireproof Doors.

Norris, L. A.

U. S. Metal Products Co.**Floor Sanding.**

Hardwood Interior Co.

Inlaid Floor Co.

Pacific Floor Sanding Co.

Grill Work.

Cal. Art Metal & Wire Works.

Merle Co., A.
Sartorius Co.

Withington, C. W.

Gen. Contractors.

Andrus, R. C.

Brigham, H. B.
Brochhage, Foley & Green

Caldwell & Co.
Cereghino & Son, Louis

Currie & Currie
Dempiak Bros.

Farquharson, D. B.
Fluth, J.

Frasier & Frasier
Graham, D. E.

Griffith, Wm.
Hannah, J. D.

Hannah & Co. J.S.
Hayes, W. W.

Jackson, A.
Kuykendall, J. O.

Malley, Edward.
Mathies, Henry

Mulcahy, James
Peacock, John

Schnebley, Host-tawser & Ped-griff

Glass and Glazing.

Cal. Plate & Window Glass Co.

Cohen, I.
Cobbledick-Kibby Glass Co.

Friedman Bros.
Fuller & Goepf

Fuller, W. P. & Co.

Habenicht & Howlett

Holland, J. P.
Schwarz & Gottlieb (Inc.)

Grading & Teaming.

Dillon, D.

Eureka Teaming Co.

May, S. J.
McClure, H. N.

Wilhelm, A. H.
Wilkie Co., A. H.

Williams, F. A.
Wright, Chas.

Monarch Teaming Co.

Sibley, L. B.
McLenegan, S. B.

Granite.

Bradbury, Thos.

Cal. Granite Co.
De Lano & Sons, I. L.

Hunt, A. T.
Raymond Granite Co.

Hardware.

Baker & Hamilton
Joost Bros.

Kruse, J. H.
Lorenz, Schaffner & Co.

Meyer, A.
Palace Hdq. Co.

Heat and Light.
Pacific Gas and Electric Co.

Heating & Ventilating.

Burnham Plumbing & Heating, Inc.

Cronan, Wm. Mangrum & Otter

Montague, W. W. & Co.

House Moving & Raising.

Blume Cont'g Co.
Pearson, E. K.

Sullivan, D. J. & T.

Inlaid Floors.

Hardwood Interior Co.

Inlaid Floor Co.

Pacific Floor Sanding Co.

Iron Works.

Lorenz, Schaffner & Co.

Michaelis & Pfeiffer

Monarch Iron Works.

Pacific Rolling Mill Co.

Pacific Struc. Iron Works.

Joist Hangers & Post Caps.

Kortick - Falls Mfg. Co.

Lilley & Thurston Co.

Lorenz Schaffner & Co.

Western Builders' Supply Co.

Kawneer System Store Fronts.

Falls Mfg. Co.

Lilley & Thurston Co.

Light and Power.

City Electric Co.

Pac. Gas & Electric Co.

Lime, Cement, Etc.

Acme Cement Plaster Co.

Arden Plaster Co.

Cowell Lime & Cement Co.

Holland, J. P.

Holmes Lime & Cement Co.

Lennon, Jas. E.

Nephli Plaster Co.

Pacific Bldg. Material Co.

Pac Lime & Plaster Co.

S. F. Lime Co.

Shasta Lime Products Co.

Western Building Material Co.

Western Lime & Cement Co.

Lumber.

Acme Lumber Co.

Christenson Lumber Co.

Hardy, Jas. H., Inc.

Hart-Wood Lumber Co.

Humboldt Lumber Co.

Hauptman Lumber Co.

Hooper Lumber Co.

Kruse, J. H.

Loop Lumber Co.

Macdonald Lumber Co.

Moore, R. B. Mill & Lumber Co.

National Mill & Lumber Co.

Olsen, Mahoney Lumber Co.

Pope & Talbot.

Santa Fe Lumber Co.

Schouten Lumber Co.

Tiernan & Bero-nio

Van Arsdale-Harris Lumber Co.

Wilson Bros. & Co.

Doe Co., F. P.

Lumber (Hard-wood.)

Dieckmann & Co.

Howard, E. A. & Co.

Niehaus, Ed. F. & Co.

White Bros.

S. F. Lumber Co.

Machinery.

Harron, Rickard & McCone.

OFFICIAL LIST OF MEMBERS**BUILDERS' EXCHANGE**

OF SAN FRANCISCO

180-188 JESSIE STREET

PHONE KEARNY 4700

OFFICERS AND DIRECTORS.

President, H. Maundrell.
Vice-President, E. J. Brandon.
Treasurer, C. W. Withington.
Secretary, R. J. H. Forbes.

Financial Secretary, S. A. D. Schenck.
Ass't Secretary, W. J. Carberry.
Doorkeeper, E. R. Wolcott.

DIRECTORS

H. Maundrell
E. J. Brandon
C. W. Withington
R. J. H. Forbes

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Alexander Menzie
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Chas. McDonnell
Fred P. Fischer
J. D. McGilvray

MEMBERS.**Architectural Iron Works**

Acme Iron Works.
Bay City Iron Works.
Brode Iron Works
Central Iron Wks.
Dyer Bros.
Eureka Iron Wks
Kell Iron Works
Kortick - Falls Mfg Co.
G. G. Structural Iron Works.
Hillard, C. J. Co.
Judson Mfg. Co.
Mortenson Cons. Co.
Michaelis & Pfeiffer
Phoenix Iron Wks
Ralston Iron Wks.
Lorenz Schaffner & Co.
Schneider Iron Works.
St. Francis Orn. Iron Works
Teiger & Kerr
Stove & Foundry Co.
Vulcan Iron Wks.
Western Iron Wks
Withington, C. W.

Art Glass.

Ingerson & Glaser Co.

Blacksmith.

Paul Kleiber

Bonds.

Costello, J. T.
Aetna Life Ins. Co
Boole, F. W.
Empire State Surety Co.
Fidelity & Deposit Co. of Maryland
Gale, M. A.
Guyett & Co., R. G.
Hillman & Son, J. R.
Jones, Edward M.
Lawton, A. F.
Lloyd & Spengler
MacMeans, H. V.
Pacific Coast Sash & Lumber Co.
Perley, A. E.
Smith, Leo J.
United States Metal Products Co.
United States Fidelity and Guaranty Co.

Brick and Pottery.

Bay Development Co.
Cal. Brick Co.
Carey, J. E.
Carnegie Brick & Pottery Co.
Carquinez Brick & Pottery Co.
McNear Brick Co., E. B.
Peterson - Kartschoke Brick Co.
Remillard Bk. Co
Sacramento Trans. Co.
Steiger T. C. and Pottery Wks.
Thermos Brick Co

Building Material.

California Building Material
City Supply Co.
Fernald Co., The
Kortick - Falls Mfg Co.
Holland, J. P.
Howard Co.
J. E. Lennon.
Johns-Manville Co
Pacific Bldg. Material Co.
Pacific Refining & Roofing Co.
Parrott & Co.
Paraffine Paint Co
Pratt Building & Material Co.
United Material Co
Waterhouse & Price Co.
Western Bldrs' Supply Co.

Cement Dealers

Balfour, Guthrie Co.
Cowell Lime & Cement Co.
Holmes Lime & Cement Co.
Holland, J. P.
Maynard, Jr., J. L.
Meyer, A. F.
Pacific Portland Cement Co.
Western Building Materials Co.
Standard Portland Cement Co.

Clay Products.

Cal Brick Co.
Stanquist, Edward

Concrete.

Chase, Silas A.
Camp & Carillon.
Duncanson, Harrelson Co.
Forbes, R. J. H.
Foster & Vogt.
Goodman Artificial Stone Co.
Haun, C. C. W.
Leonard, J. J.
Lynch, A.
Pasqualetti, J.
Petersen, H. L.
Sartorio, Charles
Stanquist, Victor
Zimmerman, L. M.
Concrete Reinforcement.
Pacific Building Material Co.
Contractors & Builders.

Allen, Alex. M.
Anderson, W. W.
Arthur, L.
Boring, F. H.
Born & Son, S. A.
Brady, C. A.
Braunton Bros.
Buller, Thos.
Burdick, Wm. A.
Caldwell & Co.
Cameron & Diss-ton.
Cavanaugh, Thos. A.
Chisholm, R. A.
Cobby, J. W.
Coburn, I. W., Inc.
Concannon, W. N.
Conrad, H.
Cereghino & Son, Lewis
Davis & Son, T. F.
Dewar, R. & Son.
Elam, Thos. & Son
Elliott, E. W.
Fahy, R.
Fischer, Fred.
Franz, Val.
Gillespie, G. G.
Gallagher, Frank.
Gardiser, Florent.
Greig, Robt.
Hansbrough Bros.
Healey - Tibbits Con Co.
Hinson, L. A.
Holm & Son.
Howkins, A.
Ingerson, C. A.
Jacks, H.
Jones, Paul
Jones, W. G.
Kent, S. H.
Knowles & Recheley.

Leiter, E. T. & Sons.
Lynch, M. C

Masow & Morrison
Mathews Con. Co.
Mathies, H. C.
McBain, J.
McKillican, R and Wm.
Miller, Adam
Moller, R. W.
Morey, H. B. & Son
Owsley, B. T.
Penny, Isaac.
McLeran & Peterson.
Robinson & Gillespie.
Simmen, John.
Smith, J. W. & Son
Spence, A. T.
Stockholm & Allyn.
Terrill, G. C.
Vezina, L. N.
Warwick, H. C
White Bros. (carpenters).
Wilhelm, A. H.

Cornice Works.

Amsler, C. S.
Berger Mfg. Co.
Capitol Sheet Mtl. Works.
Comyns & Childers.
Conlin, J.
Cronan, Wm.
Forderer Cornice Works.
Gulfooy Cornice Works.
Appmann Cornice Works.
Heldt, Wesley.
Morrison & Clark.
S. F. Cornice Co.
Western Furnace & Cornice Wks.

Contracting Lather.

Dennis, J. B.
Hayden, Fred
Lynch, Richard

Curbing, Granite.

McLenegan, S. B.

Damp Proofers.

Brickley, P. J.
Reigle & Jamison

Door Openers.

Rischmuller Geo.

Electrical.

American Electrical Engineering Co.
California Electrical Works.

Central Electric Co.

Masons & Builders

Alexander, R.
Allen, C. J.
Anderson & Ral-
ney.
Arlett, A.
Beck, A.
Brady, M. V.
Brady, O. E. & Son
Brandon, E. J.
Brennan, J. E.
Brigham, H. B.
Butcher, Thomas
Byron, D. J. & Son
Campbell Bros.
Carr, J. W.
Drake, Harry E.
Downey, J.
Farrell & Reed
Fennell, Jas.
Gale, M. F. & Son
Gilson, J. E.
Harrison, A.
Hibbins & Barker
Hock, Chas.
Hoffman, V.
Hogberg & Lud-
wig
Larsen, H. H.
Lawson, A. W.
McGowan, M.
Miller, J. W.
Murray & Mow-
bray.
Mulcahy Bros.
Nagel, W. L.
O'Connor, J. J.
O'Rourke, T. F.
Scott Co.
Rainey & Phil-
lips.
Reed & White
Ringrose, R. & Son
Scott, W. S.
Walker, P. J.
Watson, Sage
Watson, Sidney
Whitney & Davies
Wilson, James A.
Wygant, J. H.

Marble.
American Marble
& Mosaic Co.
Columbia Marble
Co.
Crassl Peter Co
Hunt, Andrew T.

Maino, F. L. & Co.
Musto & Sons, Jos
Keenan Co.
Vermont Marble
Co.
Mantels, Tiles
Grates.
Ginsberg & Co., S.
Holloway Ex-
panded Metal
Co.
Kirwin & Dono-
van.
Mangrum & Otter
Montague & Co., W
Peerless Agencies
Merchant Bars
Pacific Coast Steel
Co.
Metal Furring &
Lathing.
Holloway Ex-
panded Mtl Co.
Lynch, H. T.
Lynch, Richard
National Lathing
and Furring
Northwestern Ex-
panded Metal
Co.
Metal Window
Works.
Dwan, J. E.
U. S. Metal Prod-
ucts Co.
Mortar.
Atlas Motor Co.
Mosaic.
Amer. Marble &
Mosaic Co.
Maino, F. L. & Co.
Office Fixtures.
Bateman, Wm.
Forbes & Son, A. J.
Fink & Schindler
Co.
Shuman, John
Open Hearth Steel
Pacific Coast Steel
Co.
Ornamental
Plasterers
Binner, Theo.
Larson, O. F.
Woods, J. P.
Painters.
Daniels, Gus V.
Donovan, V. J.

Fraser, J. P.
Kuss, P. N.
Lewellyn, J.
Maundrell, H.
Spark, J. H.
Neal, L. J.
Paint Burner
Paint (Damp Re-
sisting.)
Dwan Co. J. E.
Paints, Oils, Etc.
Bass - Heuter
Fuller & Co., W. P.
Kuss, P. N.
Maundrell, H.
Pacific Refining &
Lathing
Paraffine Paint Co
Whittier - Coburn
Co.
Patent Chimneys.
Clawson & Co., L.
E.
Dunlevy & Gettle
Dresser - McDon-
nell Co.
Cal. Pottery Co.
Paving Brick.
Cal Brick Co.
Planing Mills.
Anderson Bros.
Burnham - Stan-
ford Co.
Cal. Door Co.
Cal. Milling Co.
Elkington &
Hucke
Herring Mill (Inc)
Kendall, A.
Kruze, J. H.
Lorden Mill Co., J.
P.
R. B. Moore Mill &
Lumber Co.
National Mill &
Lumber Co.
Pacific Mfg. Co.
Reinhart Lumber
& Planing Mill
Co.
Reilly, P. F.
Santa Clara Mill
& Lumber Co.
San Mateo Plan-
ing Mill.
Searle & Hayman

Plasterers.

Binner, Theo.
Bradley & Reilly
Carrick, M. H.
Chalmers, H. A.
(Inc.)
Clark, D. Ross.
Crichton, J. L.
Coghlan, Frank
Connolly, J. J.
Connell, J. E.
Fay, John
Felt, R. L.
Floodberg & Mc-
Caffery.
Fraser, Simon
Gregg & Clute
Gilmour, Wm. G.
Jacobsen, N.
Kaiser, Joe
Knowles A.
Leaf, A.
Lyden & Bickel
MacGruber & Co.
Mennie, Alex.
McLeod, J. C.
Morehouse, C. C.
O'Kane & Co., C. T.
O'Sullivan & Bow-
ler.
Smith, James F.
Plaster of Paris.
Nephi Plaster Co.
Plumbing & Gas
Fitting.
Ahlbach & Mayer
Bernard, G. F.
Burnham Plumb-
ing Co., Inc.
Dalziel, R., Jr., Co
Gilley-Schmid Co.
Levy, M.
Looney, J., Co.
(Inc.)
Snook & Co.
Frederick W.
Turner Co., The
Real Estate.
Williamson Co., H.
Wittman - Lyman
Cross & Co.
Urban Realty
Impt. Co.
Reinforcing Bars.
Pacific Coast Steel
Co.

Riggers.

Blume Contract-
ing Co.
Pioneer Const. Co.
Crushed Rock.
Healy-Tibbitts
Constr. Co.
Holland, J. P.
S. F. Bay Imp. Co.
Stone, E. B. & A. L.
**Roofing Composi-
tion.**
Artolith Mfg. Co.
Bender, J. W.
Roof Co.
Fibrestone Roof-
ing Co.
Larkin Asphalt &
Paving Co.
Magnesia Asbes-
tos Supply Co.
Malott & Peterson
Johns - Manville
Co., H. W.
Meuer Bros. Co.
Pacific Refining &
Roofing Co.
Paraffine Paint Co
The Thos. H.
Price Co.
Western Asbestos
Mag. Co.
Watson Roofing
Co.
Sand, Gravel, Etc.
Cassaretto, John
Healy-Tibbitts
Constr. Co.
Holland, J. P.
Sanitary Flooring.
Artolith Mfg. Co.
Stone, E. B. & A.
L. Co.
Fibrestone Roof-
ing Co.
Sidewalk Lights.
Jackson, P. H. & Co
McGuigan, John
Stair Builders.
Bishop, Wm. T.
Stewart, J. K.
Roof Repairing &
Paint.
Street Work.
Fay, S. J.

Steel Rolling

Doors.
Pacific Building
Material Co.
U. S. Metal Prod-
ucts Co.
Stone Contractors.
De Lane & Sons.
I. L.
Blanchard, W. W.
Hunt, Andrew T.
McGillivray Store
Co.
Raymond Granite
Co.
Stone Quarries.
Keystone Sand Co
Raymond Granite
Co.
Structural Steel
Pacific Coast Steel
Co.
Teaming.
Dillon, D.
Eureka Teaming
Co.
Holland, J. P.
McClure, H. N.
Monarch Teamin
Co.
McLenegan, S. I.
Terra Cotta.
Clark & Sons, N.
Gladding, McBean
& Co.
Steiger Terra
Cotta Co.
Tiling.
Artolith Mfg. Co.
Ventilators.
U. S. Metal Prod-
ucts Co.
Waterhouse &
Price Co.
Whitewashers.
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Fifteenth Year No. 26

Publication Office
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San Francisco Cal., June 30, 1915

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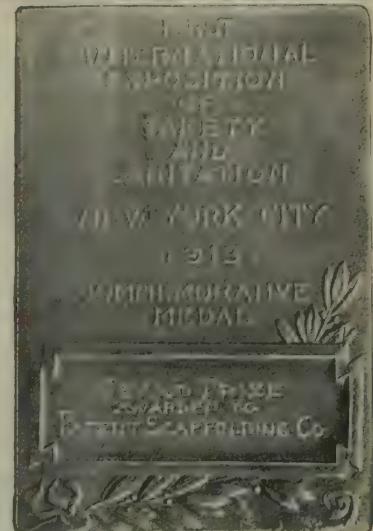
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VS.

Egbert Whitney

The United States Court of Appeals of the Eighth Circuit

sustained our contentions,

Held the Patent To Be Valid and Infringed

and

Awarded Us An Injunction, With All Profits and Damages

resulting from the infringement complained of,

together with ALL COSTS of the action

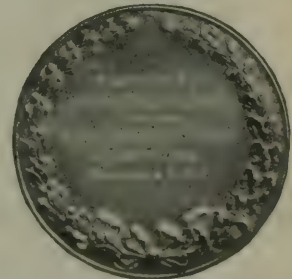
We deem it advisable to draw the attention of the trade to the fact that not alone the manufacture or
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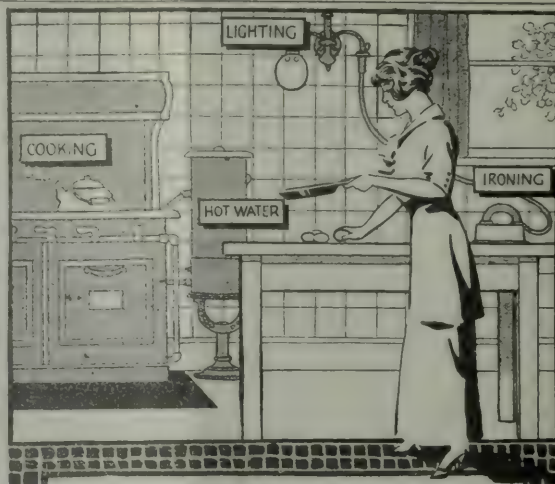
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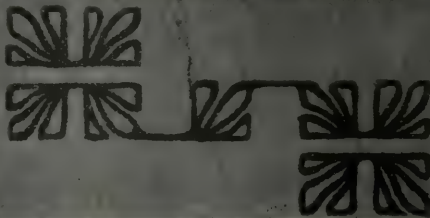
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Building and Engineering News

Devoted to the Architectural, Building, Engineering and Industrial Activities
of the Pacific Coast.

Issued Weekly, \$3.00 per year

San Francisco, June 30, 1915

Fifteenth Year, No 26

The quake which shook Imperial Valley on the night of the 22nd taught the Engineers and Architects a lesson which should not be easily forgotten. It demonstrated to the profession what materials and designs can be relied on to withstand earthquake shocks in that region, but more than that it demonstrated what materials and designs cannot be relied on under similar conditions.

The work of clearing away the debris due to the earthquakes and fires is well underway and the rebuilding and repairing of buildings that suffered from the shocks has already begun.

Examinations of many of the buildings proved that they are basically sound and that the cost of repairs will be less than at first anticipated.

The great bulk of the damage is covered by insurance containing an earthquake clause calling for payment of the insurance in case of damage by earthquakes or by fires caused by earthquakes, and the rebuilding and repair work will be greatly accelerated by this condition and the consequent activity will naturally attract the attention of outside contractors and give the valley the benefit of the increased competition caused by the inactivity existing in other localities.

After an investigation the engineers of the United States Reclamation Service reported that the earthquake shocks had not damaged either the Laguna irrigation dam or the transcontinental highway bridge spanning the Colorado River at Yuma.

Reports have also been received from the engineers in charge of the Imperial Valley irrigation system that no damage has been done to the intake below the line or to the distributing gates at Sharps Heading. The shocks experienced here were light.

An inspection of the recently constructed reinforced concrete flume will be of great interest to engineers, disclosing as it will whether or not this class of construction is adapted to an earthquake country.

The spirit which the people of the valley have displayed during the catastrophe, and the vigor with which they take hold of the reconstruction of their cities is marvellous and truly western, and augurs well for the future of Imperial Valley.

What is said to be the largest country road contract ever let in America was executed last week under award made by the commissioners of Multnomah County, Oregon, which includes and surrounds the city of Portland. The bulk of the work is for hard surfacing with Warrenite, under license of the patents of Warren Bros. Co. of Boston, laid over the old macadam roads.

The contracts, aggregating \$1,250,000, were let under bonds approved during the past winter. The allotment of contracts and mileage of standard 16 feet width, is as follows:

Warren Const. Co. of Portland, for Warrenite.....	40	miles
Pacific Bridge Co. of Portland, for Warrenite.....	12	"
Oscar Huber of Portland, for Warrenite.....	10	"
Clark & Henery of California, for Warrenite.....	12	"
Scattering contracts for concrete.....	13	"
Scattering contracts for brick.....	1	"
Total	88	"

The average cost is thus approximately \$14,000 per mile.

Like most sections of the country, the macadam roads of Multnomah County have proved insufficient to sustain the ravages of modern automobile traffic, but provide an excellent foundation for a modern permanent road surface. The project for improvement on a large scale began nearly two years ago when, at a conference meeting of the most prominent taxpayers of the city of Portland and Multnomah County, John B. Yeon and S. Benson were urged to accept the positions of Roadmaster and Deputy Roadmaster respectively. They have since devoted nearly their entire time to investigation of the road problem, including roads of all types throughout the United States and Canada.

A report of the Portland Chamber of Commerce special paving committee, dated June 12, concludes:

* * * "We are certain that everybody concerned in this paving problem who is entirely disinterested, has been, and is now, seeking to get the very best available pavement for the county, because it is realized that, in so doing, the county will be furnishing an object lesson which will be an incentive to depart from the unwise policy of the past, which has resulted in throwing money away for useless macadam roads."

Lessons From The Exposition.

Collected by
George Nelson, C. E.

United States Steel Corporation and Subsidiary Companies, Mines, and Metallurgy, Building, Panama-Pacific International Exposition, San Francisco, 1915.

(From Annual Report for 1913.)

The United States Steel Corporation organized April 1, 1901.

Main ore bodies located in Minnesota, Wisconsin, Michigan and Alabama. Iron ore mined during the year, 28,738,451 tons.

Limestone properties located in Michigan, Illinois, Ohio, Pennsylvania, West Virginia and Alabama. Limestone quarried during the year, 6,338,509 tons.

Coal properties located in Pennsylvania, Illinois, Indiana, Ohio, Alabama, Tennessee and West Virginia. Coal mined during the year, exclusive of that used for coke, 6,705,381 tons.

Coke manufactured in bee-hive and by-product ovens, 16,663,480 tons.

Natural gas properties situated in Pennsylvania and West Virginia, with nearly 1,000 miles of pipe lines, nine pumping stations and 709 active wells. Natural gas wells also operated in connection with zinc smelter in Kansas 125 blast furnaces, 298 open hearth furnaces and 35 Bessemer converters.

Steel ingots produced by subsidiary companies in 1913, 16,656,361 tons.

Shipments of rolled steel and other finished products to both domestic and export trade, 12,168,758 tons.

There were also produced 11,197,000 barrels of cement 33,829 tons of sulphate of iron and 30,424 tons of spelter.

Gross sales by manufacturing, iron ore, coal and coke companies, not including inter-company business, \$518,999,605.

150 steel works and other plants, extending from San Francisco, Cal., in the west to Boston, Mass., in the east, and Duluth, Minn., in the north, to Birmingham, Ala., in the south.

Distributing warehouses scattered over the United States and in various foreign countries.

In 1913, 228,906 men were employed, with a pay roll amounting to \$207,206,176. Taxes paid to the various states and cities, including the Federal income tax, amounted in 1913 to \$13,225,882.

It has, with branches, spurs and sidings, 1,036 miles of standard gauge railroads. Railroad equipment consists of 49,267 cars and 1,231 locomotives.

It owns 9 ocean-going steamers, 101 steamers, barges and tug boats on the Great Lakes, and 2 steamers and

102 barges on the Ohio River. Forty additional steamers are chartered for foreign trade.

Great expansion has been made in the export trade. In 1902, the tonnage exported was approximately 200,000 tons, with gross sales of approximately \$6,000,000, while in recent years the tonnage exported has reached 2,500,000, with gross sales of over \$90,000,000. It will be seen that on this basis approximately 15 per cent to 20 per cent of the tonnage produced has been for foreign shipment, requiring the employment of about 40,000 men.

Iron Ore and Steamship Lines, Lake Superior District, Oliver Iron Mining Company—Pittsburg Steamship Company.

Relief map showing mining district in general. Ore pyramid showing typical ores and associated rocks.

Model of Sautry-Alpena open pit mine, showing method of extracting ore, also mine buildings, including shops, offices, club, and house for employees.

Maps of underground operations, showing method of opening up and developing underground mines.

Model of ore dock and boat, showing manner of loading boats at upper lake ports.

Models showing different types of construction of ore boats.

Pictures of fleet of steel steamships and tow barges

Photographs of drilling operations in open pit mines of Missabe Range, and surface equipment of underground mines of the Marquette, Menominee, Gogebic and Vermilion Ranges.

Views of washing plant for lean, sandy ores of Western Missabe Range and headquarters of company at Coleraine, Hibbing and Virginia, Minnesota.

Photographs showing transportation of ore to docks and loading of ore into boats for shipment to furnaces.

Pittsburgh & Conneaut Dock Company.

Model of Conneaut Harbor, Ohio, showing ore vessels entering and leaving harbor, unloading ore and loading coal and rails for the northwest.

View of docks with automatic unloaders and electric storage bridges for transferring ore; also company store and office buildings of dock company and railroad company.

View of track system of the corporation railroad—the Bessemer & Lake Erie Railroad Company, with its lake terminal at Conneaut Harbor.

View of two car ferry vessels for carrying loaded railroad cars to Canada across Lake Erie.

Coal Mining Companies Operating Properties Located in Illinois, Indiana, Pennsylvania and West Virginia.

The Bunsen Coal Company.

H. C. Frick Coke Company.

The National Mining Company.

The Sharon Coal & Limestone Company.

United States Coal & Coke Company.

Channel section, showing full height of the seam of Pittsburgh or Connellsville coal in Pennsylvania.

Cube of coal from the Pittsburgh seam of coal in Allegheny County, Pennsylvania.

Two cubes of coal from Clinton District, Indiana, and Westville District Illinois.

Two cubes of coal from Pocahontas seam, McDowell County, West Virginia.

High grade Connellsville coke.

Photographs of surface arrangements, underground work, mining machines, and general coal plant installations.

Model of modern coal and coke plant showing steel headframe and coal bin, mine buildings, tracks, miners' bath house, mechanically operated bee hive ovens and safety devices.

Products for Structures of Steel.—American Bridge Co.

Full-size steel frame showing general types of office building construction.

General view, photographs and bottom chord section of arch of the Hell Gate bridge. This is the largest work of the kind in the United States, and consists of a 1,000 foot, 4-track railroad arch span across Hell Gate, from Long Island to Ward's Island, New York.

Photographs of the Panama Canal, showing materials supplied for the six emergency dams, rack railway, the towers supporting the power transmission system, and various buildings—in all approximately 70,000 tons of structural steel.

Eye bars as used in the new Quebec bridge now being built across the St. Lawrence River.

Photographs and models of steel barges as built by company.

Anchorage and galvanized transmission tower, as well as "Shiffler" telegraph telephone and trolley wire supports.

Turntable as seen in the exhibit of the Westinghouse Electric and Manufacturing Company in the Rotunda of the Transportation Building.

Sheet and Tin Mill Products.—American Sheet and Tin Plate Company.

Models, Specimens, photographs and lantern slides, showing sheet steel used for building construction farm structures, railroad cars, household utensils, boats, furniture and food containers.

Model of "Apollo" Farm, showing use of Apollo best bloom galvanized sheet steel in construction of barns,

outbuildings, silos, windmills, storage bins tanks, culverts and irrigation flumes. Model lighted by an overhead decorative fixture of sheet metal.

Automobile exhibit showing every part of the automobile and accessories made from sheet steel.

Specimens of seamless sanitary construction; Enamelled steel, stamped and formed galvanized sheets, tin andterne plates.

Substitution of steel for more expensive non-metallic materials.

Exhibits of "Keystone" copper bearing steel sheets; especially adapted for all uses requiring resistance to corrosion to the greatest degree.

Actual weather tests showing ability of different steel and iron sheets to withstand corrosion under various adverse conditions.

Complete collection of various standard black and galvanized sheets and tin andterne plates manufactured.

Wire Products.—American Steel and Wire Company.

Agricultural—Model of farm, showing different styles of fences, steel gates, steel posts and poultry netting. Also an exhibit of poultry and farm fencing installed at the Exposition Poultry Yards and Stock Pens.

The bonding of electric railways—section of railway with overhead trolley wire carrying current to operate rail bond.

Hydraulic compressor and rail bond tested.

Signal wire for operating railways—a copy of the signal tower at the mouth of the Detroit River, showing "Amerite" signal wire installed.

Aerial tramways—Illustrations of installations of the "Trenton-Bleichert" aerial tramways.

Panorama illustrating aerial tramways with actual tracks, cables and tramway carriage.

Telegraph and telephone wires and cables and pole steps. Concrete telegraph poles supporting varieties of steel and copper telegraph and telephone wires and signal wires, connected with exhibition board showing all forms of electrical wires coiled in shipping form.

Traingle mesh reinforcing for concrete — Concrete pavement in process of construction, showing wire mesh fabric.

Building demonstrating the use of the Fabric in connection with floor and other construction.

Barbed wire, nails, spikes, staples and tacks—shown in kegs, boxes and packages as actually shipped. One-half of the case heads shown with plate glass to expose contents.

Wire Rope—Pictorial demonstration of the uses of the different kinds of wire rope in rigging, towing, dredging, hoisting, oil well digging drilling, mining and for elevators.

Reels of wire rope of different sizes and styles.

Electrical Wires and Cables—Complete exhibit of different forms aided by pictorial illustration, showing submarine cable emerging from sea, lead encased cables

emerging from manhole, insulated cables, in different forms, silk and cotton covered lamp cord, ignition and magnet wire.

Horseshoes—Pictorial view of blacksmith shop, showing in front a complete variety of every form of "Junia-ta" horseshoes.

Bale Ties—Pictorial view of baling hay in field, showing in front examples of "American" bale ties.

Round, square and odd-shaped wires and shafting—All forms of wires in different shapes for manufacturing purposes, displayed in their shipping coils and shown in connection with their finished product.

Flat Wire—Showing flat wire plated in nickel, brass and copper, as substitutes for copper and brass metals, as used in many forms of manufacture.

Springs—Various forms of springs, from those of finest watches to upholstery, agricultural and other heavy forms.

Music Wire—Acoustic wires demonstrated in pianos and harps, in complete instruments and sections.

Complete exhibit of electric transmission, constructional, operating and acoustic wires, as shown in a unit orchestra pipe organ played with electrical wire action and electrically operated blower, furnished by the Rudolph-Wurlitzer Manufacturing Company, Cincinnati, Ohio, and Kinetic Engineering Company of Philadelphia.

Wire Hoops—Display of round wire hoops as used upon kegs and packages, showing both electric welded and twisted splice.

Sulphate of Iron—A by-product of the manufacture of wire. Shown in glass jars.

Illustrations of its use in purifying water, clearing grain fields of noxious weeds by spraying, prevention of hog and other animal diseases, killing of flies and general farm disinfecting.

Steel Manufacture, Bar Mill Products, Structural Steel and Railway Specialties.—Carnegie Steel Company —Illinois Steel Company—Tennessee Coal, Iron and Railroad Company.

Models of Coke oven operations, showing both bee hive and by-product ovens, with products extracted from coal.

Blast Furnace Operation—Model of blast furnaces, with various grades of pig iron, ferro-silicon, and ferro-manganese.

Steel Making Operations—Models of Bessemer converter, open hearth furnace, and electric furnace. Steel ingot.

Rolling Mill Operations—Working model of blooming mill equipped with model of reversing rolling mill motor. (Motor loaned by the Westinghouse Electric and Manufacturing Company.)

Blooms, slabs, billets, sheet bars and steel discs, in various commercial forms.

Transparencies, depicting the manufacture of rails from the ore to the finished product.

Testing Laboratory—Testing machine loaned by Tinius Olsen Testing Machine Company.

Photographs of mill laboratories and appliances.

Finished Steel Exhibit—Electric and alloy steels, armor plate, bar mill products, steel, mine timbers, rolled steel shapes, structural steel shapes, steel sheet piling, steel axles, rails, rail joints, fittings, ties and steel wheels.

Steel derricks and drilling rigs for drilling oil, gas and water wells. Working model on exhibit. A full-size Cal-

ifornia combination drilling rig, 106 feet high, will be found in actual operation without the building, under the auspices of the Bureau of Mines.

Track Special Work.—Lorain Steel Company.

Special track work exhibit consisting of various types and models of rails and track design in use by electric street and interurban railways.

Track Layouts—Tongue switches and mates of solid cast manganese steel.

Switches, frogs and crossings made of rolled open hearth steel girder rails in combination of cast iron and manganese steel.

Seven-inch rail section in straight track, weighing 122 pounds per yard; in curved track, 140 pounds per yard.

The latest improved form of railroad track construction, consisting of 100-pound rails, Duquesne joints, steel cross-ties, solid cast manganese steel frog and switch point 16 1-2 feet long, doubly reinforced.

400-foot radius tongue switch exhibit showing 9-inch section weighing 150 pounds per yard with paving flush with head of the rail offering a smooth passage for vehicles.

Section of girder rails averaging 100 pounds per yard in lengths of 60 feet.

Crossings for steam or electric railways, showing running and guard rails of rolled manganese steel.

Electrically Welded Joints—Samples of joint bars and specimen welds.

Tubular Products.—National Tube Company.

"National" tubular welded products (lap-weld and butt-weld:)

Samples of each phase of the welded tubular industry, embracing samples of material which have been in service for a number of years, showing durability, resistance and strength.

Samples of special types of joints.

Exhibits of casing and boiler tubes which have been subjected to various tests.

Threading device.

Protective coated National pipe.

Telegraph and telephone poles.

Construction columns.

Bedstead tubing.

"Shelby" seamless steel products (cold-drawn, hot-drawn and cupped.)

"Shelby Table Top," showing extraordinary variety of shapes and sizes which can be manufactured.

Samples of cold-drawn, hot-drawn and plate cuppling processes.

Trolley poles.

Hospital and sanitary furniture.

Model showing process of piercing solid steel billets.

"Kewanee" products.

Unions, brass, cast iron and malleable fittings, drive well joints and well supplies.

Various types of fittings as arranged in specially designed boxes.

Model of the octagon pattern Kewanee Union.

Kewanee specialties as displayed on sign made of various fittings.

Specially designed compressed air machine for testing Kewanee Unions.

Universal Portland Cement.—Universal Portland Cement Company.

Cement display made from pure calcide limestone and granulated blast furnace slag a by-product in the manufacture of steel.

Illuminated oil paintings, picturing four important fields of concrete construction, shown within the arches of the facade.

1st. Modern farm where concrete has provided the farmer with an enduring building material from which to construct his house, his barn, his feeding floor, and other structures.

2nd. Concrete road, clean, permanent and dustless.

3rd. Concrete for the home, showing concrete as an ideal material for building the workingman's cottage and the millionaire's mansion.

4th. Concrete for factories, showing a satisfactory building material for factories, office buildings, warehouses and machine shops.

Working model of Plant No. 5 at Universal, Pennsylvania, showing the mills, buildings cars and complete operations.

Reception booth, showing the surface of concrete which has been bush-hammered—a method for beautifying concrete surfaces.

Railing posts, flower boxes and lighting standards.

Model of a concrete fire escape.

Concrete silo, showing method of steel reinforcement.

Graphic diagram describing the different stages through which slag and limestone pass as the two are used in the production of Universal Portland Cement.

Transportation Lines.

Bessemer & Lake Erie Railroad.

Birmingham Southern Railroad.

Duluth, Missabe & Northern Railway.

Duluth & Iron Range Railroad.

Elgin, Joliet & Eastern Railway.

Newburgh & South Shore Railroad.

Union Railroad.

Photographs showing bridges, railroad yards, shops, tracks and trains.

Export Business.—United States Steel Products Company.

Exporters of the various products manufactured by subsidiary companies of the United States Steel Corporation.

Models of a few of the steamships owned and operated by the company.

General commodities as shown in the various exhibits.

Map of the location of the branch offices and agencies, and routes covered by the steamship lines operated by the company as follows:

23 foreign branch offices, supplemented by agents in 153 cities located in 46 countries.

Stocks carried in 49 cities covering 21 countries.

5 lines of freight steamers plying from the port of New York.

Sales booth in charge of a linguist conversant with the needs of the foreign trade, and provision for registration of customers and arrangements for delivery of mail.

Bureau of Safety Sanitation and Welfare.

Central Wall Exhibit—Organization. Outlined in transparency form, surmounting central wall feature. Details in winged frames.

Map showing location of properties of subsidiary companies; also annual production; number of employees, wages and welfare expenditures.

Accident Prevention—Transparencies, photographs and statistics.

Models of safety devices.

Model of lathe fully equipped with safety devices.

First Aid and Rescue—Description and photographs of first aid and rescue crews, illustrating some of their work.

Transparencies, photographs and descriptions of emergency hospitals and dressing stations.

Voluntary Accident Relief Plan—Details of plan established by the United States Steel Corporation, and put in force before any workmen's compensation laws became operative anywhere in the United States.

Sanitation—Photographs and description, in winged frames, of sanitary work as carried on by the subsidiary companies.

Model of change house, showing lockers, shower baths, etc.

Model of outdoor closet used in the mining districts where there is no sewerage system.

Sanitary drinking fountains installed throughout entire exhibit space are the same as provided in the plants for the workmen.

Dwelling—Illustrated by photographs and transparencies.

Models:

No. 1. "Bayview," a mining town in Alabama under construction—showing a sanitary construction camp.

No. 2. "Bayview" as it will look when completed.

No. 3. "Fairfield," near Birmingham, Alabama.

No. 4. "Morgan Park," Duluth Minnesota.

Employees' Vegetable and Flower Gardens—Illustrations in winged frames and transparency pyramids.

Visiting and District Nurses—Photographs in winged frames portraying work of the nurses.

Recreation—Children's playgrounds baseball grounds, swimming pools, clubs, etc., showing transparencies and photographs in pyramids and winged frames.

Model of fully equipped playground.

Education and Vocational Training—Description and photographs in winged frames.

Stock subscription—Description of plan, number of stockholders among employees under this plan and group photographs of some of the employees who have subscribed for stock.

Pension Plan—Brief description of pension plan report for 1913, and group photograph of a few pensioners.

A register has been provided near central feature in wall exhibit for those desiring further information, or a copy of Bulletin explaining this work more in detail.

Motion Pictures.

The story of steel from the mines to the finished products and other motion pictures and free lectures.

See Bulletins and Daily Program for schedule.

Painting of Gary, Ind., (6x23 1-2 feet in size), showing harbor works and town displayed on outside wall of motion picture theatre.

ADVANCE NEWS

Classified according to Character of Work



Devoted to the Architectural, Engineering, Building and Industrial Activities of the Pacific Coast.

Circulates among the leading Architects, Engineers, Surveyors, Contractors and Municipal Authorities on the Pacific Coast.

Entered as second-class matter at San Francisco Post Office under act of Congress of March 3, 1879.

ISSUED EVERY WEDNESDAY

L. A. LARSEN,

Publisher and Proprietor.

SAN FRANCISCO OFFICE

560 Mission Street.

Telephone—Douglas 2372.

George Nelson, C. E., Editor Engineering Department.

W. D. Manville, News Editor.

Advertising Rates on application. If enquirers will send copy of matter and state space required, close figures will be given.

Subscription Rates—One Year, \$3.00; Two Years, \$5.00; Five Years, \$10.00, payable strictly in advance. Single copies, 15c.

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APARTMENT HOUSES.

BERKELEY, ALAMEDA CO., CAL.—Apartment house, 3 story and base, frame, \$10,000. Architect, none. Owner, E. L. Malsbary, 2333 Fulton street, Berkeley. The building will be erected at the northeast corner of Channing Way and Fulton street, and has been designed to contain 24 modern apartments of two rooms each. Interior will be finished in pine with some elm panels. Hardwood floors will be used in the living rooms. There will be steam heat and a hot water supply. All apartments will have wall beds and private bath rooms. Bath rooms will be finished in tile. Marble and tile wainscot will be used in the entrance vestibule. The exterior of the building will be covered with cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor. Materials are now being purchased.

SAN FRANCISCO—Apartment house, 3 story and base, frame, \$43,000. Architects, O'Brien Bros., 240 Montgomery street, S. F. Owner's name withheld. The building will be erected on a corner lot in the Western addition, and will cover a considerable ground area. There will be a total of 35 apartments ranging from two to four rooms with bath. Interior will be finished in pine with some elm panels. There will be steam heat, automatic elevators, and a hot water supply. All apartments will have wall beds and private bath rooms. Tile wainscot and floors will be used in the bath rooms. Marble and tile wainscot is specified for the entrance vestibule. Exterior of the building will be covered with rustic and cement plaster on metal lath. Plans are complete and ready for figures.

SAN FRANCISCO—Apartment house, 6 story and base. Class C construction, \$100,000. Architect, C. H. Skidmore, Hearst Bldg., S. F. Owner, Dr. C. F. Buckley. The building will be erected on O'Farrell street near Hyde, having a frontage of 30 feet and a depth of 70 feet. There will be a number of two and three room apartments arranged with private baths and wall beds. Interiors will be finished in pine with some hardwood veneer. Hardwood floors will be used in the principal rooms. Plans provide for steam heat, an automatic elevator, vacuum cleaning and a hot water supply. Bath rooms will have tile wainscot and floors. Marble and tile wainscot will be used in the entrance lobby. Some ornamental plaster will be used. Exterior of the building will be faced with pressed brick trimmed with terra cotta. Plans are complete and figures are being taken.

SAN FRANCISCO—Apartment house alterations, 3 story and base, frame, \$10,000. Architect, Phillip Overman, Shreve Bldg., S. F. Owner, W. M. Avery. The present three-story frame flat building located at the southeast corner of Haight and Scott streets will undergo extensive alterations. Included in this work will be new interior partitions, plastering, mill work, interior finish, plumbing, electric work and painting. Plans are complete and figures are now being taken.

CLAREMONT, ALAMEDA CO., CAL.—Apartment house, 2 story and base, frame, \$15,000. Architects, Salfeld & Kohlberg, Clunie Bldg., S. F. Owner's name withheld. The building will cover an area of 135 by 40 feet, and has been designed to contain eight apartments of five rooms and bath each. Interior will be finished in pine with some hardwood veneer. Hardwood floors will be used in the living and dining rooms and reception halls. Plans provide for steam heat and a hot water system. Bath rooms will be finished in tile. Wall beds are specified. Exterior of the building will be

covered with rustic and cement plaster on metal lath. Plans will be ready for figures in about thirty days. Further mention will be made of the work.

CLAREMONT, ALAMEDA CO., CAL.—Apartment houses, 2, 2 story and base, frame, \$15,000 each. Architects, Salfeld & Kohlberg, Clunie Bldg., S. F. Owner's name withheld. These two buildings will each contain eight apartments of three rooms and bath. Interiors will be finished in pine with some elm panels. Hardwood floors will be used in the principal rooms. There will be steam heat and a hot water supply. Each apartment will have a wall bed and sleeping porch. Bath rooms will be finished in tile. Exterior of the buildings will be covered with rustic and cement plaster on metal lath. Plans are now being prepared and will go out for figures in about thirty days.

BONDS

MT. DIABLO BOULEVARD DISTRICT, CONTRA COSTA CO., CAL.—By a vote of 135 to 88 the voters of the central section of Contra Costa County created the Mount Diablo Boulevard District and elected three commissioners, thereby paving the way for the possible construction of a thirty-mile boulevard. The proposed highway will cost approximately \$120,000. The county, under the proposed plan, will pay \$30,000 of the cost and the property owners within the district are to bond themselves for the remaining \$90,000. It is expected that the commissioners will order a survey, advertise for bids and arrange for the bond election to take place within two months.

BURBANK, LOS ANGELES CO., CAL.—A campaign for a municipal bond issue for improvements of the city has been inaugurated in Burbank by the Board of Trustees, Chamber of Commerce, the Ladies' Auxiliary and other citizens of that place. The bonds are for a city hall building, fire apparatus and electric light equipment.

MARYSVILLE, YUBA CO., CAL.—This city will soon vote bonds of \$20,000 for drainage and sewer extensions.

CRYSTAL SCHOOL DISTRICT, SO. LANO CO., CAL.—Bonds of \$40,000 have been voted by the Crystal School District, and a new school building will soon be under construction.

TUCSON, ARIZONA.—The City Council will readvertise for sale the \$239,000 bond issue voted several months ago for municipal improvements. There was a technicality in the former proceedings and the bonds will be sold again the latter part of July.

VISALIA, TULARE CO., CAL.—A special election has been called for June 29, 1915, to vote bonds in the sum of \$50,000 for the erection of a municipal auditorium.

SAN JACINTO, RIVERSIDE CO., CAL.—A special election will be held here on July 10, 1915, to vote bonds in the sum of \$25,000 for the purpose of erecting a new grammar school building.

MARICOPA, KERN CO., CAL.—Bonds of \$15,000 have been voted for the erection of a high school building for the Maricopa School District. The proposed structure will include a large assembly hall, grammar school rooms and kindergarten as well as the high school.

MERCED, MERCED CO., CAL.—The proposition of forming an irrigation district in which may be from one hundred to three hundred thousand acres is now under discussion in this city. L. L. Dennett, who is interested in the proposed project, states that if the district is formed it will take water from the San Joaquin and Fresno Rivers.

LATHROP, SAN JOAQUIN CO., CAL.—The proposition to bond Tulare

School District for \$12,500 to provide funds for the erection of a school building carried by a large majority. Several architects from Stockton have already submitted plans for the proposed building, but as yet the trustees have made no selection.

ZINC SCHOOL DISTRICT, SAN JOAQUIN CO., CAL.—An election will be held in the Zinc School District on July 7th to vote bonds of \$7,000 for the construction of a school building.

HOLLISTER, SAN BENITO CO., CAL.—The question of paving those streets that constitute El Camino Real within the corporate limits of San Juan will be submitted to the residents of this town at a bond election. Preliminary steps will be taken at once so as to have the work completed before next winter.

LODI, SAN JOAQUIN CO., CAL.—According to the teachers and Superintending Principal R. J. Custer, the present school buildings are overcrowded and they propose the building of temporary schools or the calling of a bond election to raise funds for the erection of a new fireproof building.

MARTINEZ, CONTRA COSTA CO., CAL.—The City Engineer has been instructed to prepare plans and specifications for a distributing system throughout the city. This action was taken by the trustees as the present water supply is inadequate. It is proposed to hold an election at which time the people will decide the question of issuing bonds of \$40,000 for the construction of the system.

BRIDGES AND DAMS

SAN FRANCISCO—Bridge, steel bascule. Cost not stated. Engineer, City Engineer, Temporary City Hall, S. F. Owners, City and County of San Francisco. Bids were opened at the last regular meeting of the Board of Public Works for the repairs to the steel bascule bridge at 4th and Channel streets. The Thomson Bridge Co. submitted the lowest figures on propositions A and C as follows: Proposition A, \$37,147, proposition C, \$34,287. The Pacific Rolling Mill Co. submitted the lowest figures on proposition B, which covers the furnishing of structural steel, at \$43,500. Bids were taken under advisement.

UKIAH, MENDOCINO CO., CAL.—Bridge, reinforced concrete. Cost not stated. Engineer, County Surveyor, Ukiah. Owner, Mendocino County. Plans have been completed and have received the approval of the Board of Supervisors for the construction of a reinforced concrete bridge to be erected over Robertson Creek in the Second Road District. Bids are now being taken and will be opened on July 7th. Plans and specifications can be secured from the County Clerk at Ukiah.

SANTA ROSA, SONOMA CO., CAL.—Bridge, reinforced concrete. Cost not stated. Engineer, County Surveyor, Santa Rosa. Owners, Sonoma County. Bids will be opened on July 14th for the construction of a reinforced concrete bridge over Elmore Creek in the Penn Grove Road District. Plans and specifications can be secured by addressing the County Clerk at Santa Rosa.

SAN JOSE, SANTA CLARA CO., CAL.—Bridges, reinforced concrete. Cost not stated. Engineer, County Surveyor, San Jose. Owners, Santa Clara County. Plans and specifications presented to the County Supervisors for reinforced concrete bridges to be constructed on the Pollard and Quinto roads over Wild Cat and San Tomas Aquino Creeks in the County of Santa Clara, have received the approval of the Board and bids have been ordered received until July 12th at 11 a. m. Plans and specifications together with full information may be obtained from the County Surveyor at San Jose.

MODESTO, STANISLAUS CO., CAL.—Bridges, 3, reinforced concrete. Cost not stated. Engineer, County Surveyor, Modesto. Owners, Stanislaus County. Plans have been completed and are now out for figures for three reinforced concrete bridges to be erected as follows: One over Wild Cat Creek, one over El Salado Creek, and one over Ingram Creek. Bids will be opened on July 13th. Plans and specifications can be secured from the office of the County Clerk.

SANTA BARBARA, SANTA BARBARA CO., CAL.—Bridge, reinforced con-

crete and steel. Cost not stated. Engineer, City Engineer, Santa Barbara. Owners, City of Santa Barbara. Plans have been completed and approved for the construction of the Mission Creek bridge to be erected at Mission street in the city of Santa Barbara. Bids are now being taken and will be opened by the City Council on July 1st. Plans and specifications are on file with the City Engineer.

BURLINGAME, SAN MATEO CO., CAL.—Bridges, reinforced concrete. Cost as follows. Engineer, City Engineer, Burlingame. Owners, City of Burlingame. At the last meeting of the City Trustees bids were opened for the construction of the Easton bridges and the paving of Cypress avenue and adjacent streets. Eaton & Smith of San Francisco were the low bidders, the total of the bid being \$20,722.32, which figure is about \$5,000 below the engineer's estimate. The other bidders and their prices for the bridges were as follows:

Otto Recknagle	.....\$22,416.00
A. Matson	.....23,956.54
Construction & Eng. Co., L. A.	22,799.00
F. Rolandt, S. F.	26,300.00
Larson & Son	20,575.00
Commarty-Peterson Co., S. F.	21,457.00
Chas. J. Lindgren, S. F.	21,370.32

Contracts Awarded

SANTA BARBARA, SANTA BARBARA CO., CAL.—Bridge, reinforced concrete, \$6,760. Engineer, County Surveyor, Santa Barbara. Owners, Santa Barbara County. Contractors, Boardman Construction Co., Story Bldg., L. A. Contract price, \$6,760.

COURT HOUSES.

SAN FRANCISCO—Lighting fixtures, City Hall, \$32,985. Architects, Bakewell & Brown, 251 Kearny street, S. F. Owners, City and County of San Francisco. L. J. Meyberg Co. submitted the lowest bid for furnishing the lighting fixtures for the new City Hall at \$32,985.

MINDEN, NEVADA.—Court house, brick and steel, \$50,000. Architect, F. J. De Longchamps, Reno, Nev. Owners, Douglas County. Plans and specifications have been completed for the new county court house and jail building to be erected at Minden. The design is in the classic style. Construction will be of steel and brick and will be fireproof throughout. Besides the usual offices for the various county officials, the plans provide for a large county court room, Surveyor's office, Supervisors' chamber and jail. Interior finish will be of pine and hardwood with some metal trim. Plans provide for steam heat, a vacuum cleaning system, complete oil burning equipment and program clocks. Metal window sash and frames and special jail equipment is also included in the work. Marble wainscot, tile floors and steps are specified. Special fireproof vault equipment will be installed in each office. Exterior of the building will be faced with pressed brick or cut stone. Bids are now being taken and will be opened on July 3rd.

FACTORIES AND WAREHOUSES.

OAKLAND, CAL.—Factory, 4 story and base, reinforced concrete, \$150,000. Architect, Lewis P. Hobart, Crocker Bldg., S. F. Owners, Shredded Wheat Biscuit Co. This building has been mentioned here a number of times before. Revised floor plans have been completed and new figures are now being called for. The structure will cover a large ground area and will be erected on property bounded by 12th, 14th, Union and Poplar, and is the first unit of a large plant to be erected by the owners. Construction will be fireproof. Metal window sash and frames are specified. There will be electric elevators and special conveying machinery. Exterior will be faced with cement plaster. Plans and specifications can be secured from the architect.

BERKELEY, ALAMEDA CO., CAL.—Factory alteration, frame construction, \$5,000. Architect, none. Owner, Plastic Mfg. Co., 3rd and Bancroft Way, Berkeley. The owners are now taking figures for the rearrangement of the interior of the present factory building. The work will include in-

terior partitions, carpentry work, electric work, plumbing, painting and plastering. Plans can be secured from the owner.

OAKLAND, CAL.—Docks and storage warehouses, concrete and frame construction, \$100,000. Architect's name not given. Owner, D. J. Hanlon, foot of 5th avenue, Oakland. Plans are being prepared for a large dock and a number of warehouses to be erected on property at the foot of 5th avenue. There will be a considerable amount of piling required. Plans are still in the preliminary stage. Further mention will be made of the work.

Contracts Awarded

PORTLAND, ORE.—Warehouse, 3 story and base, reinforced concrete, \$50,000. Architects, MacNaughton & Raymond, Title and Trust Bldg., Portland. Owners, Marshall-Wells Co. Contractor, Thomas Muir, Abington Bldg., Portland. Contract price, \$50,000.

FIREHOUSES AND JAILS

OAKLAND, CAL.—Juvenile detention home, 4 story and base, reinforced concrete, \$75,000. Architect, Henry H. Meyers, Kohl Bldg., S. F. Owners, Alameda County. Plans and specifications for the juvenile detention home to be erected for Alameda County in the city of Oakland have been approved by the Board of Supervisors and are now out for figures. July 19th has been set as the date on which bids will be opened. Plans and specifications can be secured from the architect or from the County Clerk at Oakland. Further mention will be made of the work.

TILLAMOOK, ORE.—City hall and jail, 2 story and base, brick, \$20,000. Architect, Charles H. Burgraff, Albany, Ore. Owners, City of Tillamook. The building has been designed in the classic style and will contain offices of the mayor, clerk and treasurer, besides a large council room and jail. Interior finish will be of pine and hardwood. There will be steam heat and special jail equipment. A fireproof vault will also be installed in the office of the treasury. Exterior of the building will be faced with pressed brick. Plans are complete and figures are now being taken.

OAKLAND, CAL.—Detention home, 4 story and base, reinforced concrete, \$75,000. Architect, Henry H. Meyers, Kohl Bldg., S. F. Owners, Alameda County. Plans for the Alameda County Detention Home, a four-story reinforced concrete building to be erected in Oakland are now out for figures. Bids will be opened on July 19th. The work has been segregated into the following branches:

1. Excavating, concrete, grading, pumping, paving, and bulkheading.
2. Carpentry work, mill work, stairs, glass and steel fire doors.
3. Ornamental and miscellaneous iron work, window guards and fire escapes.
4. Plastering, lathing, cementing and dampproofing.
5. Felt and gravel roofing.
6. Sheet metal work, slate roof and skylights.
7. Finish hardware.
8. Painting and tinting.
9. Plumbing, drains and gas fitting.
10. Electric work.
11. Marble and tile work.
12. Heating.
13. Elevator work.

SAN FRANCISCO—Fire house stables rearrangement, frame construction. Cost not stated. Architect, City Department of Architecture, Temporary City Hall, S. F. Owners, City and County of San Francisco. Plans are complete and figures are now being taken by the Secretary of the Fire Department, Temporary City Hall, for the rearrangement of the department stables located on Division street between 10th and Bryant. Bids for this work will be opened on July 7th. Plans and specifications can be secured from the office of the Secretary of the Fire Department.

PORTLAND, ORE.—Detention home, 2 story and base, brick, \$25,000. Architects, Doyle & Patterson, Worcester Bldg., Portland. Owners, City of Portland. Plans are being prepared for a building to accommodate the juvenile detention cases. There will be accommodations for about 30 inmates, a ju-

venile court and offices. Interior will be finished in pine and hardwood. Plans provide for a steam heating system and hot water supply. Bath rooms will be finished in tile. Exterior design is in the colonial style and will be faced with pressed brick. Only preliminary plans have been prepared. Further mention will be made of the work.

SAN FRANCISCO—Detention home, 9 story and base. Class A construction, \$91,325. Architect, Louis Christian Mullgardt, Chronicle Bldg., S. F. Owners, City and County of San Francisco. The Pacific Construction Co. has assigned the contract for the construction of the Juvenile Detention Home to be erected for the City and County of San Francisco to Ringrose & Anderson, 320 Market street, S. F. The contract price remains the same, \$91,325. The building will be a nine-story and basement Class A structure. Construction will be started at once.

FLATS

SAN FRANCISCO—Flats, 2 story and base, frame, \$6,000. Architect, Edward E. Young, 251 Kearny street, S. F. Owner, Thomas Scoble, 363 14th avenue, S. F. The building will be erected at the southwest corner of Palm avenue and California, and has been designed to contain four modern flats of five rooms and bath. Interiors will be finished in pine with some elm panels. Hardwood floors will be used in the living and dining rooms. There will be open fire places in the living rooms with tile mantels. Bath rooms will be finished in tile. Automatic water heaters will be installed. Exterior of the building will be covered with rustic and cement plaster. Plans are complete and in the hands of the owner who will do the work by Day Labor. Materials are now being purchased.

SAN FRANCISCO—Flats, 2 story and base, frame, \$3,500. Architect, none. Owner, G. Canepa, 1882 Grant avenue, S. F. The building will be erected on the east side of Grant avenue south of Chestnut and has been designed to contain four flats and four and five rooms. There will be open fire places and tile mantels. Interiors will be finished in pine and redwood. Some oak floors are specified. Exterior of the building will be covered with rustic and shiplap. Plans are complete and in the hands of the owner who will do the work by Day Labor. Materials are now being purchased.

SAN FRANCISCO—Flats, 3 story and base, frame, \$7,000. Architect, John J. Foley, 46 Kearny street, S. F. Owner, J. E. Brennan. The building will be erected on Mission street near 23rd, and has been designed to contain a number of four and five room flats. Interior will be finished in pine and redwood. Some oak floors will be used. There will be open fire places and tile mantels. Bath rooms will be finished in tile. Automatic water heaters are specified. Tile wainscot will be used in the bath rooms. Exterior of the building will be covered with rustic and cement plaster on metal lath. Plans are now being prepared.

SAN FRANCISCO—Flats, 2 story and base, frame, \$4,500. Architect, none. Owner, W. L. Hemminga, 1600 Fell street, S. F. The building will be erected on the east side of 15th avenue north of California street, covering an area of 25 by 63 feet. There will be two modern flats of five and six rooms. Interior finish will be of pine and hardwood. Some hardwood floors will be used. Each living room will have an open fire place and tile or brick mantel. Bath rooms will be finished in tile. Automatic water heaters are specified. Exterior of the building will be covered with rustic and cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor. Materials are now being purchased.

SAN FRANCISCO—Flats, 2 story and base, frame, \$8,500. Architect, Edward E. Young, 251 Kearny street, S. F. Owner, Thomas Scoble, 363 14th avenue, S. F. The building will be erected on property adjoining a similar building at the southwest corner of Palm avenue and California street, and has been designed to contain four modern flats. Interior will be finished in pine with some hardwood and white enamel. Hardwood floors will be used in the

living rooms, dining rooms and reception halls. Bath rooms will be finished in tile. There will be open fire places and tile or brick mantels. Automatic water heaters will be installed. Exterior of the building will be covered with rustic and cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor.

GOVERNMENT WORK & SUPPLIES

Pearl Harbor, Light Fixtures.

Under bids opened at the bureau of yards and docks, Navy Department, for electric light fixtures for the naval hospital, Pearl Harbor, Hawaii, the contract has been awarded to Horn & Brannan, of 427 North Broad street, Philadelphia, Pa., at \$1,772.38.

Light-house Service, Stone.

The following bids were received by the light-house inspector, 17th district, Portland, Ore., for 150 tons stone for riprap for Point Wilson Light Station, Wash.:

Sam McGee, Port Townsend, Wash., \$525; accepted.

J. M. Clapp, Seattle, Wash., \$600.

San Francisco, Cal., Conduits and Wiring.

The following bids were received by the supervising architect, Treasury Department, Washington, D. C., for a conduit and wiring system in the U. S. mint at San Francisco, Cal.:

Butte Engineering and Electric Co., San Francisco, Cal., \$7,473; time, November 30.

Decker Electrical Construction Co., San Francisco, Cal., \$7,077; time, 120 days.

General Electrical Construction Co., San Francisco, Cal., \$8,915; time, 100 days.

Central Electric Co., San Francisco, Cal., \$9,914; time, September 14.

Reading Electric Co., Reading, Pa., \$6,600; time, October 30.

Posselt & Wilhelm, San Francisco, Cal., \$6,164; time, September 10.

Light-house Service, Lumber, Etc.

The following bids were received by the light-house inspector, 18th district, San Francisco, Cal., for furnishing lumber, gasoline and distillate, and acetylene for the 18th district during the next fiscal year:

Lumber.
Loop Lumber Co., San Francisco, Cal., \$1,853.88.

Tiernan & Beronio, San Francisco, Cal., \$1,693.90.

San Francisco Lumber Co. San Francisco, Cal., \$1,626.45; accepted.

Van Arsdale-Harris Lumber Co., San Francisco, Cal., \$2,006.50.

Charles Nelson Co., San Francisco, Cal., \$1,705.

Hooper Lumber Co., San Francisco, Cal., \$1,657.15.

Santa Fe Lumber Co., San Francisco, Cal., \$1,880.

Christenson Lumber Co., San Francisco, Cal., \$1,767.55.

Hart-Wood Lumber Co., San Francisco, Cal., \$1,834.24.

Gasoline and Distillate.
Union Oil Co., San Francisco, Cal., \$3,178.50.

Standard Oil Co., San Francisco, Cal., \$2,170.50; accepted.

Shell Co. of California, San Francisco, Cal., \$2,942.50.

Acetylene.
Commercial Acetylene Railway Light and Signal Co., San Francisco, Cal., \$606.

Prestolite Co., San Francisco, Cal., \$580; accepted.

Panama Canal Requisitions.

The purchasing officer of the Panama Canal will soon call for bids for furnishing the following material and supplies:

7,300 expansion bolts.
25,000 lbs coal tar pitch.
1,500 lbs yellow ochre, in oil.
2,000 lbs rock salt, for table use.
2,000 lbs burnt slenna, in oil.
5,000 lbs sal soda, for boilers.
10,000 gals liquid coal tar.
1,000 lbs burnt umber, in oil.
2,500 gals black asphaltum varnish.
500 lbs dry yellow ochre.
75,000 lbs steel track bolts.
12 steel drop forged clamps.

50 pieces rough white maple.
200 pieces rough mahogany.
150,000 lbs steel track spikes.
500 lbs drop black paint, in oil.
5,000 lbs lampblack, in oil.
100 gals locomotive black.
100 lbs Bismarck brown, in japan.
2,000 lbs chrome green, dry.
500 lbs chrome green, in oil.
2,000 lbs chrome yellow, in oil.
10,000 lbs sulphate of copper.
1,000 gals drier, japan, in oil.
200 gals inside cab green paint enamel.

500 lbs litharge.
1 motors, 220-volt each.
1 Ajax and Hercules operating centrifugal pumps.
250,000 lbs pig iron.
75 brass steam cocks.
100 brass shower cocks.
600 brass cleouts.
5,000 ft brass chain for water closets.
300 ball cocks.
100 compression brass bibb cocks.
200 compression brass bibb cocks, brass flanged.
700 compression brass T-handle bibb cocks.
200 brass curb cocks.
650 ells, slip joint.
200 nickel-plated shower heads.
100 lengths nickel-plated flush pipes.
100 lengths straight flush pipes.
50 nickel brass valves.
50 horizontal valves.
75 swing check valves.
525 brass gate valves.
100 lead traps.
200 brass angle valves.
1,040 brass globe valves.
186 soft rubber valves.

SALEM, ORE.—Assembly hall addition, 1 story, brick. Cost not stated. Architect, Office of Indian Affairs, Washington, D. C. Owners, United States Government. Plans have been completed and forwarded to this coast for the construction of a one-story addition to the assembly hall at the Salem Indian School. Interior will be finished in pine. Plans include steam heat. Exterior of the building will be faced with stock brick. Bids are now being taken and will be opened on July 21st. Plans and specifications can be secured from either the office of Indian Affairs at Washington, D. C., or the superintendent of the school at Salem.

SAN DIEGO, CAL.—Group of seven frame and concrete buildings. Cost not stated. Architect, Bureau of Yards and Docks, Washington, D. C. Plans are now out for figures for the construction of seven frame and concrete buildings to be erected at the United States Navy Radio Station at San Diego. The work includes the following: One power house, one operating building and one storehouse of stuccoed brick and steel frames; one pump house, one quarters for commanding officer, one double quarters for chief operator and one operator's quarters of stuccoed wood, frame construction. Bids will be opened on July 24th. Plans and specifications can be secured from the Bureau of Yards and Docks at Washington, D. C., or from the commandant at the Navy Radio Station at San Diego.

HALLS AND SOCIETY BUILDINGS.

SAN FRANCISCO—Lodge hall additions and alterations, 3 story, frame, \$10,000. Architect, Albert Lapachet, 110 Sutter street, S. F. Owners, Knights of Columbus. Plans have been completed and work is now being carried on by Day Labor under the supervision of the architect for altering the large three-story frame dwelling on Golden Gate avenue near Pierce into a modern lodge building. Included in wood floors, plumbing, plastering and this work is new interior finish, hard-electric work.

Contracts Awarded

AUBURN, PLACER CO., CAL.—Lodge hall, 3 story and base, reinforced concrete, \$20,832. Architect, Allen D. Fellows, Auburn. Owners, East Auburn Masonic Hall Association. Contractors, Herald Bros., Auburn. Contract price, \$20,832.

HOSPITALS

SAN FRANCISCO—Hospital addition, 2, 1 story and base, concrete and frame. Cost not stated. Engineer, Constructing Quartermaster, Fort Mason. Owners, United States Government. Bids opened on June 19th for two additions to the Letterman General Hospital show the following low bidders: Ward building, general construction, Nell A. McLean Co., \$13,888; plumbing, William P. Scott, \$2,057; heating, Burnham Plumbing Co., \$698. Laboratory addition, general construction, Lester H. Stock, \$3,829; plumbing, D. O. Church, \$782; and heating, Burnham Plumbing Co., \$377. Contracts have not been awarded.

PORTLAND, ORE.—Hospital, 2 story and base, hollow tile and brick, \$20,000. Architects, Tourtellotte & Hummel, Rothchild Bldg., Portland. Owners, Emanuel Lutheran Hospital Association. The building will be erected at the corner of Staton & Commercial streets, covering an area of 42 by 100 feet. There will be both wards and private rooms. Interior finish will be of pine, white enamel and hardwood. Hardwood floors will be used. Plans provide for steam heat, vacuum cleaning and a hot water system. Bath rooms will be finished in tile. Besides the wards and rooms there will be a special operating room and office. Exterior of the building will be faced with cement plaster. Plans are complete and figures are being taken.

Contracts Awarded

SAN FRANCISCO—Hospital refrigerating plant and garage. Cost as follows. Architect, City Department of Architecture, Temporary City Hall, S. F. Owners, City and County of San Francisco. Contractors, H. W. Johns-Manville Co., refrigerator plant Isolation Hospital, \$1,478. Frame garage at same, Bay City Construction Co. Contract price, \$850.

HOTELS.

SAN FRANCISCO—Hotel, 6 story and base. Class C construction, \$60,000. Architect, Edward T. Foulkes, Crocker Bldg., S. F. Owner, Dr. F. C. Keck. The building will be erected at the northeast corner of O'Farrell and Leavenworth streets, and will cover a considerable ground area. There will be in the neighborhood of 100 rooms, nearly all of which will have private baths. Interior finish will be of pine. There will be steam heat, elevator service, a hot water system and vacuum cleaning. Bath rooms will be finished in tile. Marble and tile wainscot will be used in the entrance. Exterior of the building will be faced with pressed brick trimmed with terra cotta. Plans are complete and figures are being taken.

SAN FRANCISCO—Hotel addition, 6 story, Class A construction. Cost not stated. Architect, George William Kelham, Sharon Bldg., S. F. Owners, Palace Hotel Co. The addition will bring the one-story portion of the building, located at the corner of Annie and Jessie streets, up to the height of the Market and Montgomery street elevations. This will require the building of six stories. Construction will, of course, be of the Class A type and the design will follow out the lines of the present building. The new portion will give the hotel over 300 additional room and will bring the total number of rooms up to 1,000. Preliminary plans are now being considered by the Palace Hotel Company. Further mention will be made of the work.

PANAMA-PACIFIC EXPOSITION WORK.

Contracts Awarded

SAN FRANCISCO—Fine arts building addition, 2 story, frame, \$12,940. Architect, B. R. Maybeck, Lick Bldg., S. F. Owners, Panama-Pacific International Exposition. Contractor, David Graham, 148 10th avenue, S. F. Contract price, \$12,940.

POST OFFICES.

Contracts Awarded

FRESNO, FRESNO CO., CAL.—Post office repairs and alterations, \$3,990. Architect, Supervising Architect Oscar Wenderoth, Washington, D. C. Owners, United States Government. Contractor, Howard Dickey, 150 Howard street, Fresno. Contract price, \$3,990.

RAILROAD CONSTRUCTION AND RESIDENCES.

SAN FRANCISCO—Municipal car barn addition, 1 story, reinforced concrete, \$32,800. Architect, City Department of Architecture, Temporary City Hall, S. F. Owners, City and County of San Francisco. Bids opened at the last meeting of the Board of Public Works for the construction of an additional story to the Geary Street Municipal Car Barns showed the Construction and Engineering Co., S. F., low at \$32,800. They will probably be awarded the work.

SAN FRANCISCO—Track specials. Cost not stated. Engineer, City Engineer, Temporary City Hall, S. F. Owners, City and County of San Francisco. Bids will be opened by the Board of Public Works on July 7th for furnishing track specials under contract No. 7. Complete information can be secured from the Board of Public Works.

CORONA, RIVERSIDE CO., CAL.—Railroad station, 1 story, brick and frame, \$20,000. Architect's name not given. Owners, Pacific Electric Co. The Pacific Electric Co. of Corona has purchased the site at the southeast corner of Third and Main streets and will erect a new depot building on the site. The company plans a building of frame and brick construction, which will contain two waiting rooms, freight department and office. Construction will be started within six months. Further mention will be made of the work.

PORTLAND, ORE.—Railroad extension. Cost not stated. Engineer, Engineering Department O-W. R. & N. Co., Portland. Owners, Oregon-Washington Railroad and Navigation Co. According to advices received from President J. D. Farrell of the O-W. R. & N. Co., contractors have been asked to submit tenders for the construction of 30 miles of proposed railroad west of Riverton. A party of railroad officials is now inspecting the territory to be covered by the new extension.

Contracts Awarded

THE DALLES, ORE.—Railroad terminal, brick, steel and concrete, \$400,000. Engineer, Engineering Department O-W. R. & N. Co., Portland. Owners, Oregon-Washington Railroad and Navigation Co. Contractors, Twoby Bros., 219 East 60th street, Portland. Contract price, \$400,000.

RESIDENCES.

OAKLAND, CAL.—Residence, 2 story and base, frame, \$4,500. Architect, none. Owner, R. E. Stubbe, 1209 East 19th street, Oakland. The dwelling will be erected on the west side of Grand avenue, south of Boulevard Way. It is designed for an eight-room house with bath and sleeping porch. Interior finish will be of pine with some elm panels and white enamel. Hardwood floors will be used in the principal rooms. Plans provide for furnace heat and open fire places. Mantels will be of brick or tile. Tile wainscot will be used in the bath room. An automatic water heater is specified. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor.

ROSS VALLEY, MARIN CO., CAL.—Residence, 1½ story, frame, \$4,000. Architects, W. G. Mitchell and Charles E. Hodges, Bankers' Investment Bldg., S. F. Owner, George A. Moore. The dwelling has been designed for a ten-room house and will be erected in Ross Valley. There will be a sleeping porch, several baths and a garage. Interior will be finished in pine with some hardwood panels. Hardwood floors will be used in the living room, dining room, library and reception hall. Plans provide for furnace heat and open fire places. Mantels will be

of tile or brick. Tile wainscot will be used in the bath rooms. A hot water circulating system is specified. Exterior of the building will be covered with rustic and cement plaster on metal lath. Plans are complete and figures are now being taken.

DIXON, SOLANO CO., CAL.—Residence, 2 story and base, frame, \$15,000. Architect, Henry C. Smith, Humboldt Bank Bldg., S. F. Owner, Mr. Mayes. The dwelling has been designed for a large country home and will contain twelve to fourteen rooms, three baths and sleeping porch. Besides the dwelling the property will be improved with a large private garage and tank house. Interior of the dwelling will be finished in pine and hardwood with white enamel in the bed rooms. Hardwood floors will be used in the principal rooms. There will be a central heating system either hot air or hot water, with an oil burning plant. A hot water circulating system is also specified. Bath rooms will be finished in tile. Exterior of the house and out buildings will be covered with cement plaster on metal lath. A clay tile roof will be used. Plans are complete and figures are now being taken.

SACRAMENTO, CAL.—Residence, 1 story and base, brick, \$2,500. Architect, none. Owner, N. L. Bishop, 2616 D street, Sacramento. The dwelling has been designed for a six-room house with bath and sleeping porch. Interior will be finished in pine with some elm panels. Hardwood floors will be used in the living room, dining room and reception hall. There will be a large open fire place in the living room. Mantel will be of tile or brick. Imitation tile wainscot will be used in the bath room. An automatic water heater is specified. Exterior of the dwelling will be covered with rustic and cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor.

DAVENPORT, WASH.—Residences, 1 and 2 story and base, frame, \$75,000. Architect, A. Palmer, Spokane, Wash. Owner, David Wilson, Davenport. Mr. Palmer has working drawings well advanced for a large number of one and two story residences which will be erected by Mr. Wilson on property in Davenport this summer. The owner plans to spend in the neighborhood of \$75,000 on these improvements. Complete information can be secured by addressing the architect.

SAN FRANCISCO—Residences, 3, 2 story and base, frame, \$2,500 each. Architect, none. Owner, J. Anderson, 423 10th avenue, S. F. These dwellings will be erected on the west side of 17th avenue south of Geary, and each has been designed to contain six rooms and bath. Interior finish will be of pine and redwood. Some hardwood floors will be used. There will be a large open fire place in each of the living rooms. Mantels will be of tile and brick. Tile wainscot will be used in the bath rooms. Automatic water heaters are specified. Exterior will be covered with rustic and cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor.

SAN FRANCISCO—Residence, 2 story and base, frame, \$3,000. Architect, P. H. Bosworth, 110 Jessie street, S. F. Owners, McSheehy Bros., 73 Langton street, S. F. The house will be erected on Upper Terrace east of Clifford, and has been designed for a seven-room house with bath. Interior will be finished in pine and redwood. Some hardwood floors will be used. There will be an open fire place and tile or brick mantel. Bath room will have tile wainscot. An automatic water heater will be installed. Exterior of the house will be covered with rustic and cement plaster on metal lath. Plans are complete and in the hands of the owners who will do the work by Day Labor. Materials are now being purchased.

SAN FRANCISCO—Residences, 4, 2 story and base, frame, \$2,500 each. Architect, none. Owner, F. Nelson, 30 Presidio Terrace, S. F. These dwellings will be erected on the west side of 27th avenue south of Lincoln Way, and each will contain six rooms and bath. Interiors will be finished in pine with some elm panels. Hardwood floors will be used in the living and dining

rooms. There will be an open fire place in each living room. Mantels will be of tile and brick. Imitation tile wainscot will be used in the bath rooms. Automatic water heaters are specified. Exteriors will be covered with rustic and cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor. Materials are now being purchased.

BERKELEY, ALAMEDA CO., CAL.—Bungalow, 1½ story and base, frame, \$3,000. Architect, James W. Plachek, Acheson Bldg., Berkeley. Owner, W. E. Turner. The dwelling will be erected on Woolsey street near Dana, and has been designed for a six-room house with bath and sleeping porch. Interior finish will be of pine, hardwood and white enamel. Hardwood floors will be used in the living room, dining room and reception hall. There will be furnace heat and open fire places. Mantels will be of tile or brick. Bath room will have tile wainscot. An automatic water heater will be installed. Exterior of the house will be covered with cement plaster on metal lath. Plans are now being prepared.

OAKLAND, CAL.—Bungalows, 3, 1 story and base, frame. Cost not stated. Architect, C. H. Miller, Dalziel Bldg., Oakland. Owner's name withheld. These dwellings have been designed to contain five rooms each. Interior will be finished in pine and redwood. Each living room will have a tile mantel. Exteriors will be covered with rustic. The architect would like to hear from contractors who will consider taking flats in exchange for part payment.

PIEDMONT, ALAMEDA CO., CAL.—Residence, 2 story and base, frame, \$3,750. Architects, Universal Drafting Bureau, 1844 5th avenue, Oakland. Owner, M. H. Tremble, 2469 Rawson street, Oakland. The dwelling has been designed for a seven-room house with bath and sleeping porch. Interior finish will be of pine and hardwood with some white enamel in the bed rooms. Hardwood floors will be used in the living room, dining room and reception hall. Bath rooms will be finished in tile. An automatic water heater will be installed. Exterior of the house will be covered with cement plaster on metal lath. Plans are being prepared and when completed the work will be done by Day Labor under the direction of the architect.

BERKELEY, ALAMEDA CO., CAL.—Residence, 1 story and base, frame, \$2,000. Architects, Universal Drafting Bureau, 1844 5th avenue, Oakland. Owner, C. Texdahl, 3025 Harper street. The dwelling has been designed for a five-room house with bath and sleeping porch. Interior of the house will be finished in pine and redwood. Some oak floors will be used. There will be an open fire place in the living room with tile or brick mantel. Imitation tile wainscot will be used in the bath room. Exterior of the building will be covered with rustic and cement plaster. Plans are being prepared and when complete the work will be done by Day Labor.

ALAMEDA, ALAMEDA CO., CAL.—Residence, 2 story and base, frame, \$3,000. Architects, Universal Drafting Bureau, 1844 5th avenue, Oakland. Owner, M. H. Tremble, 2469 Rawson street, Oakland. The dwelling has been designed for a six-room house with bath and sleeping porch. Interior will be finished in pine, redwood and white enamel. Hardwood floors will be used in the living room, dining room and reception hall. There will be open fire places and tile or brick mantels. Tile wainscot will be used in the bath room. An automatic water heater will be installed. Exterior of the dwelling will be covered with shingles. Plans are being prepared and when complete the work will be done by Day Labor.

STOCKTON, SAN JOAQUIN CO., CAL.—Residence, 2 story and base, frame, \$4,000. Architect, F. Holberg Reimers, 2125 Shattuck avenue, Berkeley. Owner, Dr. Goodman. The dwelling will be erected in Tuxedo Park, and has been designed for a seven-room house with two baths and sleeping porch. Interior will be finished in pine, hardwood and white enamel. Hardwood floors will be used in the principal rooms. There will be furnace heat, open fire places and tile or

brick mantels. Bath rooms will be finished in tile. An automatic water heater will be installed. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are now being prepared.

SAN JOSE, SANTA CLARA CO., CAL.—Residence, 1½ story and base, frame, \$3,500. Architect, none. Owner, T. C. Emerson, 209 South 14th, San Jose. The dwelling has been designed for a six-room house with bath and sleeping porch, and will be erected on 14th street. Interior will be finished in pine and hardwood with some white enamel in the bed rooms. There will be open fire places and tile or brick mantels. Bath rooms will be finished in tile. An automatic water heater will be installed. Exterior of the dwelling will be covered with rustic and cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor.

SAN FRANCISCO — Residence, 2 story and base, frame, \$3,000. Architect, none. Owner, Albert J. Hemberger, 146 9th avenue, S. F. The dwelling will be erected on the east side of 17th avenue north of Anza, and has been designed for a six-room house with bath. Interior finish will be of pine and redwood with some white enamel in the bed rooms. Hardwood floors will be used in the principal rooms. There will be open fire places and tile mantels. Bath room will be finished in tile. An automatic water heater will be installed. Exterior of the building will be covered with rustic and cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor.

SAN FRANCISCO — Residence, 2 story and base, frame, \$5,000. Architects, J. E. Kraft & Sons, Phelan Bldg., S. F. Owner, Sylvain Levy. The dwelling will be erected in St. Francis Wood, and has been designed for a seven-room house with two baths and sleeping porch. Interior will be finished in pine, hardwood and white enamel. Hardwood floors will be used in the living room, dining room and reception hall. There will be furnace heat and open fire places. Mantels will be of tile and brick. Bath rooms will be finished in tile. An automatic water heater will be installed. Exterior of the dwelling will be covered with brick veneer and shingles. Plans are complete and figures are being taken.

SAN FRANCISCO — Residence, 2 story and base, frame, \$5,500. Architect, none. Owner, James Welsh, 244 20th avenue, S. F. The dwelling will be erected on the west side of 18th avenue south of Anza, and has been designed to contain six rooms and bath. Interior will be finished in pine and hardwood veneer with some white enamel. Hardwood floors will be used in the principal rooms. There will be open fire places and tile or brick mantels. Bath room will have tile wainscot. An automatic water heater will be installed. Exterior of the dwelling will be covered with rustic and cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor.

SAN FRANCISCO — Residence, 2 story and base, frame, \$7,000. Architect, Edward E. Young, 251 Kearny street, S. F. Owner, Thomas Scoble, 363 14th avenue, S. F. The dwelling will be erected on the east side of 27th avenue north of West Clay, and has been designed to contain eight rooms, three baths and sleeping porch. A garage will also be erected. Interior of the dwelling will be finished in pine, hardwood and white enamel. Hardwood floors will be used in the living room, library, dining room and reception hall. There will be furnace heat and open fire places. An automatic water heater will be installed. Bath rooms will be finished in tile. Exterior of the house will be covered with rustic and cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor. Materials are being purchased.

OAKLAND, CAL.—Residence, 2 story and base, frame, \$8,500. Architect, Sidney E. Newson, Nevada Bank Bldg., S. F. Owner, Sidney E. Newson. The dwelling will be erected in the Crocker Highlands, and has been designed to contain eight rooms, two

baths and sleeping porch. Interior finish will be of pine, hardwood and white enamel. Hardwood floors will be used in the principal rooms. There will be furnace heat and open fire places. Mantels will be of tile and brick. Bath rooms will have tile floors and wainscot. An automatic water heater will be installed. Exterior of the house will be covered with cement plaster on metal lath. A garage will also be erected on the property. Plans are complete and figures are being taken.

PIEDMONT, ALAMEDA CO., CAL.—Bungalow court, 10, 1 story, frame. Cost not stated. Architects, Salfeld & Kohlberg, Clunie Bldg., S. F. Owner's name not given. These houses will be arranged around an open court and each has been designed to contain six rooms, bath and sleeping porch. Interior will be finished in pine and hardwood veneer. Hardwood floors will be used in the principal rooms. Bath rooms will be finished in tile. There will be open fire places in the living rooms with tile or brick mantels. Exteriors will be covered with rustic and shingles. Plans are being prepared.

BERKELEY, ALAMEDA CO., CAL.—Residence, 1½ story and base, frame. Cost not stated. Architect, James W. Plachek, Acheson Bldg., Berkeley. Owner, W. E. Turner. The dwelling will be erected on Woolsey near Dana, and has been designed for a seven-room house with bath and sleeping porch. Interior will be finished in pine and redwood. Hardwood floors will be used in the living and dining rooms. There will be open fire places and tile or brick mantels. Bath room will have tile wainscot. An automatic water heater will be installed. Exterior of the house will be covered with cement plaster. Plans are complete and figures are being taken.

SAN RAFAEL, MARIN CO., CAL.—Residence, 2 story and base, frame, \$4,000. Architects, Salfeld & Kohlberg, Clunie Bldg., S. F. Owner, Dr. C. D. Salfeld. The dwelling has been designed for a seven-room house with bath and sleeping porch. Interior will be finished in pine and hardwood with some white enamel. Hardwood floors will be used in the living room, dining room and reception hall. There will be furnace heat and open fire places. Mantels will be of tile or brick. Bath room will be finished in tile. An automatic water heater will be installed. Exterior of the house will be covered with rustic and shingles. Plans are complete and figures are being taken.

PASADENA, LOS ANGELES CO., CAL.—Residence, 2 story and base, frame, \$15,000. Architect, Albert C. Martin, Higgins Bldg., L. A. Owner, J. M. Trumble. The dwelling has been designed for a ten-room house with three baths and sleeping porches. Interior will be finished in white cedar, mahogany and white enamel. Hardwood floors will be used in the principal rooms. There will be furnace heat and open fire places. Mantels will be of tile and brick. Tile floors and wainscot will be used in the bath rooms. Plans also provide for a hot water circulating system. A garage will be erected on the rear of the property. Exterior of both house and garage will be covered with rustic and shingles. Plans are being prepared.

Contracts Awarded

REED MOUNTAIN, HUMBOLDT CO., CAL.—Residence, 2 story and base, frame, \$3,500. Architect, Frank T. Georgeson, Eureka. Owner, E. G. Kramer. Contractor, Murray Pine, Eureka. Contract price, \$3,500.

SCHOOLS.

LOS ANGELES, CAL. — School, 1 story and base, brick, \$20,000. Architects, Dennis & Hewitt, Fay Bldg., L. A. Owners, Los Angeles School District. The building has been designed for an eight class room building with a large assembly hall and office. Interior will be finished in pine with maple floors in the class rooms. Plans provide for a central heating system, oil burning furnace and program clocks. Exterior will be faced with pressed brick. Plans are complete and

on file with the Secretary of the Board of Education, Security Bldg., L. A. Bids will be opened on July 8th.

LOS ANGELES, CAL.—School, 2 story and base, brick, \$40,000. Architects, Elmore R. Jeffery and F. Schaefter, Citizens' National Bank Bldg., L. A. Owners, Annandale School District. The building will contain eight class rooms, an auditorium, office and library. Interior will be finished in pine with maple floors in the class rooms. Stairways will be of reinforced concrete. Plans provide for steam heat, oil burning furnace, program clocks and vacuum cleaning. Exterior will be faced with ruffled brick. Plans are complete and figures are being taken. Bids will be opened on July 8th.

RIVERSIDE, RIVERSIDE CO., CAL.—University experimental station, 1, 2 story and 2, 1 story, brick or hollow tile, \$125,000. Architect, Lester H. Hibbard, Marsh-Strong Bldg., L. A. Owners, Regents of the University of California. Preliminary plans for this group of buildings have been completed and approved by the Regents. The architect is now at work on the detail drawings. The buildings will occupy the center of a 417-acre tract devoted to tropical agriculture. Further mention will be made of the work when bids are called.

PIRU, VENTURA CO., CAL.—School, 1 story and base, brick or hollow tile. Cost not stated. Architect, C. H. Russell, W. P. Story Bldg., L. A. Owners, Camulos Grammar School District. The building will contain eight class rooms and an assembly hall. Interior will be finished in pine with maple floors in the class rooms. There will be a central heating system. Modern school plumbing and program clocks are specified. Exterior will be faced with pressed brick or cement plaster. Plans are complete and out for figures. Separate bids are being taken for the general construction and heating system. Bids will be opened on July 2.

TULARE, TULARE CO., CAL.—School, 1 story, brick. Cost not stated. Architect's name not given. Owners, Tulare School District. Plans have been completed and are now in the hands of the Secretary of the Board of Education for a two-room building, covering an area of 70 by 30 feet. Interior will be finished in pine. Exterior will be faced with pressed brick. Bids are now being taken.

PORTERVILLE, TULARE CO., CAL.—Schools, 2, 1 story and base, frame. Cost not stated. Architect, B. E. Renen, Porterville. Owners, Porterville School District. These two buildings will each contain four class rooms. Interiors will be finished in pine. Central heating systems will be installed. Plans provide for modern school plumbing. Exterior will be faced with cement plaster on metal lath. Plans are now being prepared.

OAKLAND, CAL.—School repairs, plumbing, etc. Cost not stated. Architect, none. Owners, City of Oakland. Bids will be opened on July 6th for exterior and interior painting, lath and plastering, wrought iron gates and fences for portable schools. Plans can be secured from the Secretary of the Board of Education, City Hall.

CARROLTON SCHOOL DISTRICT, MONTEREY CO., CAL.—School, 1 story frame manual training building. Cost not stated. Architect, H. B. Douglas, National Bank Bldg., Watsonville. Owners, Carrollton School District. The building will contain departments of manual training and domestic science. There will be a central heating system. Exterior will be covered with cement. Plans are complete and figures are being taken. Bids will be opened on July 2nd.

MONTEZUMA SCHOOL DISTRICT, SAN JOAQUIN CO., CAL.—School, 1 story and base, frame. Cost not stated. Architect, Ralph P. Morrell, Odd Fellows Bldg., Stockton. Owners, Montezuma School District. The building will contain four rooms and will be finished in pine with maple floors. A central heating system will be installed. Exterior will be covered with cement plaster on metal lath. Plans are complete and out for figures. Bids will be opened on July 8th. Plans and specifications can be secured from the architect.

Contracts Awarded.

WOODLAND, YOLO CO., CAL.—School, 2 story and base, brick, \$69,534. Architect, W. H. Weeks, 75 Post street, S. F. Owners, City of Woodland. Contractor Robert Trost, 26th and Howard streets, S. F. Contract price, \$69,534.

HYDE PARK, LOS ANGELES CO., CAL.—School group, 1 and 2 story and base, hollow tile, \$35,890. Architect, George A. Howard, Jr., Grant Bldg., L. A. Owners, Hyde Park School District. Contractors, H. M. Boward & Sons, Rollins Apartments, L. A., general construction, \$35,890. E. H. Hanson, painting, \$1,315. G. H. Morton, Hyde Park, plumbing.

LOS ANGELES, CAL.—School, 2 story and base, brick, \$31,273. Architects, Krucker & Deckbar, Ferguson Bldg., L. A. Owners, City of Los Angeles. Contractor, Alex. Grant, 2101 West 37th street, L. A. Contract price, \$31,273.

SHERIDAN, ORE.—School, 1 story and base, brick, \$14,200. Architect's name not given. Owners, City of Sheridan. Contractor, R. D. Crowe, Builders' Exchange, Portland. Contract price, \$14,200.

ILWACO, WASH.—School, 2 story and base, hollow tile, \$18,766. Architects, Tourtelotte & Hummel, Rothchild Bldg., Portland. Owners, Town of Ilwaco. Contractor, C. F. Kratz, 864 Colonial avenue, Portland. Contract price, \$18,766.

SEWERS, STREET WORK & WATER SYSTEMS.

REDWOOD CITY, SAN MATEO CO., CAL.—Road grading, etc. Cost not stated. Engineer, County Surveyor, Redwood City. Owners, San Mateo County. Plans have been completed and figures are now being taken for grading and macadamizing 14,825 miles of road in Road District No. 3. Bids will be opened on July 12th. Plans and specifications can be secured from the City Clerk.

STOCKTON, SAN JOAQUIN CO., CAL.—Sewers. Cost not stated. Engineer, City Engineer, Stockton. Owners, City of Stockton. At a recent meeting of the City Council a resolution was adopted ordering the construction of vitrified clay pipe sewers, 6 inches in diameter, in the following streets: Sonoma, Mendocino, Mariposa, Monterey, North California, North El Dorado, North Hunter and North San Joaquin. Bids on the above work will be called for at an early date.

PORTLAND, ORE.—Hydro-electric equipment, penstocks, etc. Cost not stated. Engineer's name not given. Owners, Utah Light and Power Co. Contractors, W. A. Kraner & Co., Chamber of Commerce Bldg., Portland. Contract price not stated.

SAN FRANCISCO—Street paving, \$23,918. Engineer, City Engineer, Temporary City Hall, S. F. Owners, City and County of San Francisco. Bids submitted to the Board of Public Works at their Monday meeting for the paving of a boulevard through city property from St. Germain avenue to the westerly boundary of city property showed Eaton & Smith the low bidders at \$23,918. There were ten bids submitted.

SAN FRANCISCO—Repairs to fire cisterns. Cost not stated. Engineer, City Engineer, Temporary City Hall, S. F. Owners, City and County of San Francisco. Bids are now being received by the Board of Fire Commissioners, 2nd floor Temporary City Hall, for repairing the street cisterns at the southwest corner of 16th and Folsom streets and the southeast corner of Bush and Sansome streets. Plans and specifications together with full information may be obtained from Frank T. Kennedy, Secretary of the Board of Fire Commissioners, Temporary City Hall.

RIVERBANK, STANISLAUS CO., CAL.—Street lighting, etc. Cost not stated. Engineer, City Engineer, Riverbank. Owners, City of Riverbank. Bids will be opened on July 13th for the excavation work on all streets and for the construction of all columns or posts for Riverbank lighting system. Plans and specifications are on file with the City Clerk and also with the County Surveyor at Modesto.

SACRAMENTO, CAL.—Street improvement. Cost not stated. Engineer, City Engineer, Sacramento. Owners, City of Sacramento. Bids opened by the City Commission for the improvement of U street from 8th to 19th show the McGilvray Construction Co., 1007 7th street, Sacramento, low. The company bid 13.4 cents per square foot for asphalt, 70 cents for filling and 70 cents for excavation.

SACRAMENTO, CAL.—Sewer construction, unit No. 2, \$190,090. Engineer, City Engineer, Sacramento. Owners, City of Sacramento. Eleven bids were received by the City Commission for the construction of unit No. 2 of the new trunk line sewer, and it is thought that the Clinton Fireproofing Co. of San Francisco is the lowest bidder. The sewer will cost in the neighborhood of \$190,090, according to estimates compiled by City Engineer Miller. It will run from the Freepoint road via Third avenue to the Lower Stockton road. Further information will be given of this work when an award of contract is made.

SUNNYVALE, SANTA CLARA CO., CAL.—Laying sewer pipe. Cost not stated. Engineer, Town Engineer, Sunnyvale. Owners, Town of Sunnyvale. At the regular meeting of the Board of Trustees of the town of Sunnyvale, bids were received for the laying of 2,400 feet of 4-inch water pipe on Pastoria avenue to the Libby, McNeil & Libby cannery. After some discussion all bids were rejected, and the Clerk instructed to notify bidders that the Board will meet to enter into a private contract for the laying of the pipe according to the former specifications, with the exception that the pipe on Pastoria avenue to be laid 14 feet from the property line instead of 16 feet.

PALO ALTO, SANTA CLARA CO., CAL.—Street improvements. Cost not stated. Engineer, City Engineer, Palo Alto. Owners, City of Palo Alto. Plans and specifications for street improvements on the southwest side of High street, between Channing and Addison, have been adopted by the City Council and a resolution of intention to call for bids on the work has been passed. An ordinance changing the grades at Alma street and Palo Alto avenue was also passed.

SANTA CRUZ, SANTA CRUZ CO., CAL.—Street paving, grading, etc. Cost not stated. Engineer, City Engineer, Santa Cruz. Owners, City of Santa Cruz. At the last meeting of the City Council an ordinance for plans and specifications for resurfacing macadamized streets was adopted. A resolution to order work to pave, sewer and place detached curbs on Plymouth street was adopted. A resolution was read to construct concrete pavement for roadbed on Mission street and also on Cliff road.

BURLINGAME, SAN MATEO CO., CAL.—Street paving, \$10,369.15. Engineer, City Engineer, Burlingame. Owners, City of Burlingame. The Ralsch Improvement Co. of San Francisco submitted the lowest bid for street paving at the last meeting of the City Council. Their bid for the work totaled \$10,369.15. They will probably be awarded the contract.

MARTINEZ, CONTRA COSTA CO., CAL.—Culvert, corrugated iron. Cost not stated. Engineer, City Engineer, Martinez. Owners, City of Martinez. The City Trustees have ordered Street Superintendent Howard to proceed at once in the construction of a big corrugated iron culvert 40 feet in length across Escobar street at the Pine street corner. This storm sewer, it is believed, will care for the flood waters which rush down Pine street in the winter and will prevent the usual overflow at that point.

PETALUMA, SONOMA CO., CAL.—Sewer construction. Cost not stated. Engineer, City Engineer, Petaluma. Owners, City of Petaluma. A resolution was passed that a 6-inch iron stone pipe sewer be constructed from the manhole at the center of B street opposite Laurel avenue along the center line of said avenue to the center of B street. A resolution was also passed that Sheldon street, from the southeast line of Bassett to the northwest line of lot 177, between the property lines be graded to the subgrade for the width, and between the curb lines be macadamized with crushed

rock, curbed with basalt and guttered with concrete.

RICHMOND, CONTRA COSTA CO., CAL.—Street paving. Cost not stated. Engineer, City Engineer, Richmond. Owners, City of Richmond. Plans for the paving of Potrero avenue from end to end are now under way and the work will be ordered shortly. Plans are also under way for the paving of the streets in the vicinity of the Peres and Grant schools, and bids will be called for at an early date.

RIO VISTA, SOLANO CO., CAL.—Street paving. Cost not stated. Engineer, Town Engineer, Rio Vista. Owners, Town of Rio Vista. Plans have been completed and have received official approval for paving Second street and California street their full length. Bids will be opened on July 8th. Plans and specifications can be secured from the Town Engineer.

SANTA ROSA, SONOMA CO., CAL.—Concrete curbs, gutters, sewers and grading. Cost not stated. Engineer, City Engineer, Santa Rosa. Owners, City of Santa Rosa. At the last meeting of the City Council, Street Commissioner Beebe was directed to advertise for bids for laying concrete curbs and gutters on both sides of Washington and A streets, between Fourth and Fifth streets. The Street Commissioner was also directed to lay sewer and water mains on Brown street between Mill and Bennett avenue prior to the macadamizing of those two blocks.

TILLAMOOK, ORE.—Road grading, paving, etc. Cost not stated. Engineer, City Engineer, Tillamook. Owner, City of Tillamook. All bids submitted for the improvement of several roads with grading, paving, etc., have been rejected and new bids will be received until 10 o'clock a. m. July 2nd. J. C. Holden is the County Clerk and from whom further information may be had. The contract is to include the clearing, grading and grubbing the 30-foot roadway, leveling and rolling and with laying a surfacing of standard specifications of the following types: Sheet asphalt on concrete base, asphaltic concrete on concrete base, light bitulithic on concrete base, one course grouted concrete and wood block on concrete base.

Contracts Awarded

VISALIA, KINGS CO., CAL.—Highway construction, \$99,299.60. Engineer, State Highway Commission, Forum Bldg., Sacramento. Owners, State of California. Contractors, George S. Benson & Son, L. A. Contract price, \$99,299.60.

SACRAMENTO, CAL.—Sewer construction, \$92,192. Engineer, City Engineer, Sacramento. Owners, City of Sacramento. The City Commission has tentatively accepted the bid of the Clinton Fireproofing Co. of San Francisco for unit No. 2 of the trunk line sewer south of Y street to connect Curtis Oaks with the new sump. The bid was \$92,192, or \$17,800 lower than the Engineer's estimate of \$110,000. As soon as the money from the sale of bonds is in the treasury the contract will be awarded.

SAN RAFAEL, MARIN CO., CAL.—Electroliners, \$854.90. Engineer, City Engineer, San Rafael. Owners, City of San Rafael. Contractors, Contra Costa Construction Co., 2323 Shattuck avenue, Berkeley. Contract price, \$854.90.

STORES AND OFFICES.

SAN FRANCISCO—Stores, 1 story and base, brick, \$4,000. Architects, Fabre & Bearwald, Merchants' National Bank Bldg., S. F. Owner's name withheld. The building will be erected on the west side of Mission street near 20th, covering an area of 25 by 90 feet. There will be one store. Interior will be finished in pine with hardwood in the display windows. Patent store fronts are specified. Marble wainscot and bases will be used. Exterior of the building will be faced with white enameled brick. Plans are complete and figures are being taken.

SAN FRANCISCO—Market, 1 story and base, brick, \$6,000. Architects, O'Brien Bros., 240 Montgomery street, S. F. Owners, Michael Bros. The building will be erected on the west side of Gough street north of Post and has been designed with walls and

foundations heavy enough for additional stories. Interior will be arranged for a market and will be finished in pine with a large amount of white enamel and tile. Patent store fronts are specified. Exterior will be faced with white enameled brick. Plans are complete and figures are being taken.

LOS ANGELES, CAL.—Lofts, 2 and 3 story and base. Class C construction. Cost not stated. Architect, F. A. Brown, Los Angeles Investment Bldg., L. A. Owner, Frank Tandy. The building will be erected at 822 Wall street, and will have a frontage of 40 feet and a depth of 125 feet. Interior will be finished in pine. There will be a freight elevator, steam heat and metal window sash and frames. Exterior of the building will be faced with pressed brick. Plans are complete and the work will be done by Day Labor.

STOCKTON, SAN JOAQUIN CO., CAL.—Stores and club, 2 story and base. Class B construction, \$25,000. Architect, Franklin E. Werner, San Joaquin Bldg., Stockton. Owner, Mr. Jordan, of Dodge-Sweeney Co., Oakland. The building will be erected at the northeast corner of Webster and California streets, and will cover a considerable ground area. The first floor will be arranged for a number of retail stores. Upper floor will contain club rooms. There will be a large roof garden. Interior will be finished in pine and hardwood. Hardwood floors will be used in the second story. Plans provide for steam heat and vacuum cleaning. Metal window sash and frames will be used. Patent store fronts are specified. Exterior of the building will be faced with pressed brick. Plans are now being prepared.

WILLITS, MENDOCINO CO., CAL.—Undertaking parlors, 2 story and base, reinforced concrete. Cost not stated. Architect's name not given. Owner, Harry Mohn, Willits. The building will cover an area of 25 by 100 feet. Interior will be finished in pine and white enamel. There will be modern plumbing, heating and special vaults. Art glass is specified. Exterior will be faced with cement plaster. Plans are complete and in the hands of the owner who will let all contracts. Foundation work is now underway.

FRESNO, FRESNO CO., CAL.—Stores, 1 story and base, brick, \$25,000. Architect, R. F. Felchin, Rowell Bldg., Fresno. Owner, Mrs. H. C. Tupper. The building will be erected at the corner of K and Kern streets and will cover an area of 75 by 150 feet. Foundations and walls will be heavy enough to carry additional stories. There will be a number of modern stores finished in pine and with hardwood floors in the display windows. Plans provide for steam heat and oil burning furnace. Patent store fronts will be used. Entrance lobbies will have mosaic floors and marble bases. Exterior of the building will be faced with pressed brick. Plans are now being prepared.

SEALED PROPOSALS

PROPOSALS FOR CANAL SUPPLIES.

PANAMA CIRCULAR 938—Proposals for Twelve Electric Towing Locomotives for Canal Locks.—Sealed proposals will be received at the office of the General Purchasing Officer, the Panama Canal, Washington, D. C., until 10:30 a. m. August 16, 1915, at which time they will be opened in public, for furnishing the above mentioned articles. Blanks and general information relating to this circular (No. 938) may be obtained from this office or the office of the assistant purchasing agent, Fort Mason, San Francisco, Cal.; also from the U. S. engineer offices in the following cities: Seattle, Wash.; Los Angeles, Cal. F. C. BOGGS, Major, Corps of Engineers, U. S. Army, General Purchasing Officer.

PROPOSALS FOR CANAL SUPPLIES.

PANAMA CIRCULAR 939—Steel Doors for Sheds on Pier 7 at Cristobal and Pier 18 at Balboa.—Sealed proposals will be received at the office of the General Purchasing Officer, the Panama Canal, Washington, D. C., until

1915, at which time they will be opened in public, for furnishing and erecting the above mentioned articles. Blanks and general information relating to this circular (No. 939) may be obtained from this office or the office of the assistant purchasing agent, Fort Mason, San Francisco, Cal.; also from the U. S. engineer offices in the following cities: Seattle, Wash.; Los Angeles, Cal. F. C. BOGGS, Major, Corps of Engineers, U. S. Army, General Purchasing Officer.

PROPOSALS FOR CANAL SUPPLIES.

PANAMA CIRCULAR 937—Proposals for Structural Steel and Accessory Parts for Shed on Pier No. 7.—Sealed proposals will be received at the office of the General Purchasing Officer, the Panama Canal, Washington, D. C., until 10:30 a. m. July 12, 1915, at which time they will be opened in public, for furnishing the above mentioned articles. Blanks and general information relating to this circular (No. 937) may be obtained from this office or the office of the assistant purchasing agent, Fort Mason, Cal.; also from the U. S. engineer offices in the following cities: Seattle, Wash.; Los Angeles, Cal. F. C. BOGGS, Major, Corps of Engineers, U. S. Army, General Purchasing Officer.

PROPOSALS FOR SHAFTS AND CHAIN.

SHAFTS AND CHAIN—Department of the Interior, U. S. Reclamation Service, Washington, D. C.—Sealed proposals will be received at the office of the U. S. Reclamation Service, Washington, D. C., until 2 o'clock p. m. July 12, 1915, for furnishing chain shafts and chains for the rolling crest of Grand River diversion dam, Grand Valley project, Colo., consisting of one safety chain, one chain shaft, one operating chain, and one guard chain, all for the 60-foot roller, and of six safety chains, six chain shafts, six operating chains, and six guard chains for the six 70-foot rollers. For particulars address the U. S. Reclamation Service, Washington, D. C. MORRIS BIEN, Acting Director.

PROPOSALS FOR RECLAMATION WORK.

RECLAMATION WORK—Department of the Interior, U. S. Reclamation Service, Washington, D. C.—Sealed proposals will be received at the office of the United States Reclamation Service, Provo, Utah, until 2 o'clock p. m. July 15, 1915, for construction, involving about 50,000 cubic yards of canal excavation, 8,000 cubic yards of rolled embankment, 3,000 cubic yards of excavation for structures, 950 cubic yards of reinforced concrete and 525,000 square feet of canal lining. The work is located near Goshen, Utah, on the Tintic Branch of the Denver and Rio Grande Railroad. For particulars address the United States Reclamation Service, Provo, Utah, or Washington, D. C. MORRIS BIEN, Acting Director.

PROPOSALS FOR VESSEL.

VESSEL—Sealed proposals will be received at the office of the superintendent, Coast and Geodetic Survey, Department of Commerce, Washington, D. C., until August 10, 1915, and then opened, and also on the same date at the office of the inspector, Coast and Geodetic Survey, Room 310, Custom House, San Francisco, Cal., for the construction and equipment of the Coast and Geodetic Survey steamer "Surveyor," of about 1,000 tons displacement. Particulars may be obtained upon application to the superintendent, Coast and Geodetic Survey, Washington, D. C.

PROPOSALS FOR DREDGING.

DREDGING—Sealed proposals, endorsed "Proposals for Dredging," will be received at the bureau of yards and docks, Navy Department, Washington, D. C., until 11 o'clock a. m. July 31, 1915, and then and there publicly opened for dredging 72,000 cubic yards,

more or less, at the naval station, Pearl Harbor, Hawaii. Plans and specifications may be obtained on application to the bureau or to the commandant of the naval station named. H. R. STANFORD, Chief of Bureau.

PROPOSALS FOR BUILDING.

BUILDING—Sealed proposals indorsed "Proposals for Seven Buildings" will be received at the bureau of yards and docks, Navy Department, Washington, D. C., until **11 o'clock a. m. July 24, 1915**, and then there publicly opened, for one power house, one operating building and one storehouse of stuccoed brick and steel frames, one pump house, one quarters for commanding officer, one double quarters for chief operator and one operators' quarters of stuccoed wood frame construction at the naval radio station, San Diego, Cal. Plans and specifications may be obtained on application to the bureau or to the officer in charge, naval radio station, San Diego, Cal. H. R. STANFORD, Chief of Bureau.

NOTICE TO BIDDERS.

NOTICE is hereby given by the Trustees of the Montezuma School District, San Joaquin County, California, that sealed bids will be received at the office of Ralph P. Morrell, architect, Rooms 12-13-14-15, Odd Fellows' Bldg., up to the hour of **2 p. m. of the 6th day of July, 1915**, at which time bids will be publicly opened.

Bids for the furnishing of work, labor and materials to complete a certain school building for the Montezuma School District according to the plans and specifications, which may be seen at the office of Ralph P. Morrell, architect, 1. O. O. F. Building, Stockton, California, during business hours.

All bids must be accompanied by a certified check or certificate of deposit for not less than 10 per cent of the amount of the bid, conditioned that the successful bidder shall enter into a contract in accordance with such bid, and file with said trustees a bond to be approved by them within 10 days after the acceptance of his bid which said bond shall be conditioned for the faithful fulfillment of the contract entered into and to be for at least 50 per cent of the amount of the contract price for the work to be done there under.

All bids must be submitted upon forms obtained from the architect.

Dated June 19, 1915.

WM. HOLLENBECK, Secretary.
By order of the Trustees.

PROPOSALS FOR CANAL SUPPLIES.

PANAMA CIRCULAR 935—Proposals for Galvanized Corrugated Roofing, Electrolytic Oxy-Hydrogen Generating Plant, Electric Cable, Cable End Bells, Circuit Breaker, Glass Lamp Shades, Battery Zincs, Dry Cells, Soil Pipe, Pipe Fittings, Mattress Ticking, Mattress Tufts and Mattress Twine and Lumber.—Sealed proposals will be received at the office of the general purchasing officer, the Panama Canal, Washington, D. C., until **10:30 a. m. July 1, 1915**, at which time they will be opened in public, for furnishing the above mentioned articles. Blanks and general information relating to this circular (No. 935) may be obtained from this office or the offices of the assistant purchasing agent, Fort Mason, San Francisco, Cal.; also from the U. S. engineer offices in the following cities: Seattle, Wash.; Los Angeles, Cal. F. C. BOGGS, major, corps of engineers, U. S. army, general purchasing officer.

STATE OF CALIFORNIA.

DEPARTMENT OF ENGINEERING.

CALIFORNIA HIGHWAY COMMISSION

NOTICE TO CONTRACTORS.

SEALED PROPOSALS will be received at the office of the California Highway Commission, 515 Forum Building, Sacramento, Cal., until **2 o'clock P. M. on July 6, 1915**, at which time they

will be publicly opened and read for construction in accordance with the specifications therefor, to which special reference is made, portions of State highway as follows:

Tehama County, from Red Bluff to Northerly Boundary (II-Teh-3-C), about 12.7 miles in length, to be graded.

Glenn County, from Willows to Grapit (III-Gle-7-B), about 9.4 miles in length, to be paved with Portland cement concrete.

Contra Costa County, from El Cervo (Tormey) to Eckley (IV-C. C-14-B), about 3.5 miles in length, to be graded.

Tulare County, from Goshen to Visalia (VI-Tul-4-D and VI-Tul-10-B), about 6.4 miles in length, to be paved with Portland cement concrete.

Tulare County, from Westerly Boundary to the Southern Pacific Railroad (VI-Tul-10-A), about 3.9 miles in length, to be paved with Portland cement concrete.

Plans may be seen, and forms of proposals, bonds, contract, and specifications may be obtained, at the said office, and they may be seen at the offices of the Division Engineers at Los Angeles and San Francisco, and at the office of the Division Engineer of the division in which the work is situated. The Division Engineers offices are located at Willits, Dunsmuir, Sacramento, San Francisco, San Luis Obispo, Fresno, and Los Angeles.

No bid will be received unless it is made on a blank form furnished by the Commission. The special attention of prospective bidders is called to the "Notice to Contractors" annexed to the blank form of proposal, for full directions as to bidding, quantities of work to be done, etc.

The Department of Engineering reserves the right to reject any or all bids or to accept the bid deemed for the best interests of the State.

CHARLES D. BLANEY,
NEWELL D. DARLINTON,
CHARLES F. STERN,
California Highway Commission.
AUSTIN B. FLETCHER,
Highway Engineer,
WILSON R. ELLIS,
Secretary. (*)

Dated: June 14, 1915.

NOTICE TO CONTRACTORS.

SEALED BIDS will be received by W. F. McClure, State Engineer, Forum Building, Sacramento, California, up to and including **12 o'clock, noon, Wednesday, July 7, 1915**, said bids then and there to be publicly opened and read for furnishing all plant, materials, and labor, and doing the work required for the complete construction and erection of a building to be known as the Power House, Chico State Normal School, Chico, California, in accordance with the plans and specifications therefor, copies of which may be obtained on application to the State Department of Engineering, Sacramento, California.

Such bids will be received for the Entire Work, and must be submitted on forms prepared and furnished by the State Department of Engineering.

Cash, a bidder's bond, or a certified check in the sum of ten per centum (10%) of the amount of the bid must accompany each bid.

A deposit of Ten (\$10.00) Dollars will be required on plans and specifications, the deposit to be returned immediately on the return of the plans and specifications to the State Department of Engineering at Sacramento, California, in good condition.

The State Department of Engineering reserves the right to reject any and all bids and to waive any informality in any bid received.

All bids must be addressed to W. F. McClure, State Engineer, Sacramento, California, and plainly marked on the envelope: "Proposal for Power House, Chico State Normal School, Chico, California."

(SIGNED) W. F. MCCLURE,
State Engineer. (*)

PROPOSALS FOR SUBMARINES.

SUBMARINES—Proposals for constructing by contract sixteen submarine boats, Nos. 62-77, will be received at the Navy Department until **12 o'clock noon August 2, 1915**, when they will be publicly opened. Circulars for

the information of bidders and general specifications for the construction of said vessels are ready for distribution among prospective bidders. Forms of proposal and contract may be had on application to the department. FRANKLIN D. ROOSEVELT, Acting Secretary of the Navy.

INVITATION FOR PROPOSALS.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., June 1, 1915.—Sealed proposals will be opened in this office at **3 p. m. July 7, 1915**, for the completion of the Second story of the United States Sub-treasury at San Francisco, California. Drawings and specifications may be obtained from J. Milton Dyer, 825 Cuyahoga Building, Cleveland, Ohio; from J. W. Roberts, Supervising Superintendent of Construction, 403 Post Office and Court House Building, San Francisco or at this office, at the discretion of the Acting Supervising Architect, JAS. A. WETMORE, Acting Supervising Architect. (*)

THE PRESIDENT.

The flag of the United States has not been created by rhetorical sentences in declarations of independence and in bills of rights; it has been created by the experience of a great people, and nothing is written upon it that has not been written upon it by their life.
—From President Wilson's Flag Day address.

If another James Buchanan were in the White House the country would not have the sturdy confidence that it has today.

The people of the United States today back their President to the limit, not only because of an instinctive patriotism. They back him for that reason, too. But along with that ingrained patriotism the people of the United States back their President, Woodrow Wilson, because they are sure of Mr. Wilson's intelligence and of his heart and of his moral strength.

His own record backs up his own fine statements of national idealism and national sentiment.

The people of the United States are not patient now with anyone who seeks to embarrass or perplex the President.

SYNTHETIC DYES.

The raw materials from which almost all the synthetic dyes are made are only nine to ten direct products of coal tar. These are transformed chemically into from 250 to 300 intermediate products, which in their turn yield about 1,260 chemically distinct dye-stuffs. Among the processes employed are high temperatures, great pressures and low refrigeration.

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ADVANCE NEWS

Classified according to Location

SAN FRANCISCO.

STREET PAVING—\$23,918. San Francisco. Engineer, City Engineer, Temporary City Hall, S. F. Owners, City and County of San Francisco. Bids submitted to the Board of Public Works at their Monday meeting for the paving of a boulevard through city property from St. Germain avenue to the westerly boundary of city property showed Eaton & Smith the low bidders at \$23,918. There were ten bids submitted.

COURT HOUSE—Brick and steel, \$50,000. Minden, Nev. Architect, F. J. De Longchamps, Reno, Nev. Owners, Douglas County. Plans and specifications have been completed for the new county court house and jail building to be erected at Minden. The design is in the classic style. Construction will be of steel and brick and will be fireproof throughout. Besides the usual offices for the various county officials, the plans provide for a large county court room; Surveyor's office, Supervisors' chamber and a jail. Interior finish will be of pine and hardwood with some metal trim. Plans provide for steam heat, a vacuum cleaning system, complete oil burning equipment and program clocks. Metal window sash and frames and special jail equipment is also included in the work. Marble wainscot, tile floors and steps are specified. Special fireproof vault equipment will be installed in each office. Exterior of the building will be faced with pressed brick or cut stone. Bids are now being taken and will be opened on July 3rd.

REPAIRS TO FIRE CISTERNS—Cost not stated. San Francisco. Engineer, City Engineer, Temporary City Hall, S. F. Owners, City and County of San Francisco. Bids are now being received by the Board of Fire Commissioners, 2nd floor Temporary City Hall, for repairing the street cisterns at the southwest corner of 16th and Folsom streets and the southeast corner of Bush and Sansome streets. Plans and specifications together with full information may be obtained from Frank T. Kennedy, Secretary of the Board of Fire Commissioners, Temporary City Hall.

RESIDENCES—3, 2 story and base, frame, \$2,500 each. San Francisco. Architect, none. Owner, J. Anderson, 423 16th avenue, S. F. These dwellings will be erected on the west side of 17th avenue south of Geary, and each has been designed to contain six rooms and bath. Interior finish will be of pine and redwood. Some hardwood floors will be used. There will be a large open fire place in each of the living rooms. Mantels will be of tile and brick. Tile wainscot will be used in the bath rooms. Automatic water heaters are specified. Exteriors will be covered with rustic and cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor.

RESIDENCE—2 story and base, frame, \$3,000. San Francisco. Architect, P. H. Bosworth, 110 Jessie street, S. F. Owners, McSheehy Bros., 73 Langton street, S. F. The house will be erected on Upper Terrace east of Clifford, and has been designed for a seven-room house with bath. Interior will be finished in pine and redwood. Some hardwood floors will be used. There will be an open fire place and tile or brick mantel. Bath room will have tile wainscot. An automatic water heater will be installed. Exterior of the house will be covered with rustic and cement plaster on metal lath. Plans are complete and in the hands of the owners who will do the work by Day Labor. Materials are now being purchased.

RESIDENCES—4, 2 story and base, frame, \$2,500 each. San Francisco. Ar-

chitect, none. Owner, F. Nelson, 30 Presidio Terrace, S. F. These dwellings will be erected on the west side of 27th avenue south of Lincoln Way, and each will contain six rooms and bath. Interiors will be finished in pine with some elm panels. Hardwood floors will be used in the living and dining rooms. There will be an open fire place in each living room. Mantels will be of tile and brick. Imitation tile wainscot will be used in the bath rooms. Automatic water heaters are specified. Exteriors will be covered with rustic and cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor. Materials are now being purchased.

APARTMENT HOUSE—6 story and base. Class C construction, \$100,000. San Francisco. Architect, C. H. Skidmore, Hearst Bldg., S. F. Owner, Dr. C. F. Buckley. The building will be erected on O'Farrell street near Hyde, having a frontage of 30 feet and a depth of 70 feet. There will be a number of two and three room apartments arranged with private baths and wall beds. Interiors will be finished in pine with some hardwood veneer. Hardwood floors will be used in the principal rooms. Plans provide for steam heat, an automatic elevator, vacuum cleaning and a hot water supply. Bath rooms will have tile wainscot and floors. Marble and tile wainscot will be used in the entrance lobby. Some ornamental plaster will be used. Exterior of the building will be faced with pressed brick trimmed with terra cotta. Plans are complete and figures are being taken.

FIRE HOUSE STABLES RE-ARRANGEMENT—Frame construction. Cost not stated. San Francisco. Architect, City Department of Architecture, Temporary City Hall, S. F. Owners, City and County of San Francisco. Plans are complete and figures are now being taken by the Secretary of the Fire Department, Temporary City Hall, for the rearrangement of the department stables located on Division street between 10th and Bryant. Bids for this work will be opened on July 7th. Plans and specifications can be secured from the office of the Secretary of the Fire Department.

DETENTION HOME—9 story and base. Class A construction, \$91,325. San Francisco. Architect, Louis Christian Mullgardt, Chronicle Bldg., S. F. Owners, City and County of San Francisco. The Pacific Construction Co. has assigned the contract for the construction of the Juvenile Detention Home to be erected for the City and County of San Francisco to Ringrose & Anderson, 320 Market street, S. F. The contract price remains the same, \$91,325. The building will be a nine-story and basement Class A structure. Construction will be started at once.

APARTMENT HOUSE ALTERATIONS—3 story and base, frame, \$10,000. San Francisco. Architect, Philip Overman, Shreve Bldg., S. F. Owner, W. M. Avery. The present three-story frame flat building located at the southeast corner of Haight and Scott streets will undergo extensive alterations. Included in this work will be new interior partitions, plastering, mill work, interior finish, plumbing, electric work and painting. Plans are complete and figures are now being taken.

FLATS—2 story and base, frame, \$6,000. San Francisco. Architect, Edward E. Young, 251 Kearny street, S. F. Owner, Thomas Scoble, 363 14th avenue, S. F. The building will be erected at the southwest corner of Palm avenue and California, and has been designed to contain four modern flats of five rooms and bath. Interiors will be finished in pine with some elm panels. Hardwood floors will be used in the living and dining rooms. There will be open fire places in the

living rooms with tile mantels. Bath rooms will be finished in tile. Automatic water heaters will be installed. Exterior of the building will be covered with rustic and cement plaster. Plans are complete and in the hands of the owner who will do the work by Day Labor. Materials are now being purchased.

FLATS—2 story and base, frame, \$3,500. San Francisco. Architect, none. Owner, G. Canepa, 1882 Grant avenue, San Francisco. The building will be erected on the east side of Grant avenue south of Chestnut, and has been designed to contain four flats of four and five rooms. There will be open fire places and tile mantels. Interiors will be finished in pine and redwood. Some oak floors are specified. Exterior of the building will be covered with rustic and ship-lap. Plans are complete and in the hands of the owner who will do the work by Day Labor. Materials are now being purchased.

FLATS—3 story and base, frame, \$7,900. San Francisco. Architect, John J. Foley, 46 Kearny street, S. F. Owner, J. E. Brennan. The building will be erected on Mission street near 23rd, and has been designed to contain a number of four and five room flats. Interior will be finished in pine and redwood. Some oak floors will be used. There will be open fire places and tile mantels. Bath rooms will be finished in tile. Automatic water heaters are specified. Tile wainscot will be used in the bath rooms. Exterior of the building will be covered with rustic and cement plaster on metal lath. Plans are now being prepared.

FLATS—2 story and base, frame, \$4,500. San Francisco. Architect, none. Owner, W. L. Hemminga, 1600 Fell street, S. F. The building will be erected on the east side of 15th avenue north of California street, covering an area of 25 by 63 feet. There will be two modern flats of five and six rooms. Interior finish will be of pine and hardwood. Some hardwood floors will be used. Each living room will have an open fire place and tile or brick mantel. Bath rooms will be finished in tile. Automatic water heaters are specified. Exterior of the building will be covered with rustic and cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor. Materials are now being purchased.

FLATS—2 story and base, frame, \$8,500. San Francisco. Architect, Edward E. Young, 251 Kearny street, S. F. Owner, Thomas Scoble, 363 14th avenue, S. F. The building will be erected on property adjoining a similar building at the southwest corner of Palm avenue and California street, and has been designed to contain four modern flats. Interior will be finished in pine with some hardwood and white enamel. Hardwood floors will be used in the living rooms, dining rooms and reception halls. Bath rooms will be finished in tile. There will be open fire places and tile or brick mantels. Automatic water heaters will be installed. Exterior of the building will be covered with rustic and cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor.

HOSPITAL ADDITIONS—2, 1 story and base, concrete and frame. Cost not stated. San Francisco. Engineer, Constructing Quartermaster, Fort Mason. Owners, United States Government. Bids opened on June 19th for two additions to the Letterman General Hospital show the following low bidders: Ward building, general construction, Neal A. McLean Co., \$13,888; plumbing, William P. Scott, \$2,057; heating, Burnham Plumbing Co., \$698; Laboratory addition, general construction, Lester H. Stock, \$3,829; plumbing, D. O. Church, \$782, and heating,

Burnham Plumbing Co., \$377. Contracts have not been awarded.

LODGE HALL ADDITIONS AND ALTERATIONS—3 story, frame, \$10,000. San Francisco. Architect, Albert Lapachet, 110 Sutter street, S. F. Owners, Knights of Columbus. Plans have been completed and the work is now being carried on by Day Labor under the supervision of the architect for altering the large three-story frame dwelling on Golden Gate avenue near Pierce into a modern lodge building. Included in this work is new interior finish, hardwood floors, plumbing, plastering and electric work.

HOTEL—6 story and base. Class C construction, \$60,000. San Francisco. Architect, Edward T. Foulkes, Crocker Bldg., S. F. Owner, Dr. F. C. Keck. The building will be erected at the northeast corner of O'Farrell and Leavenworth streets, and will cover a considerable ground area. There will be in the neighborhood of 100 rooms, nearly all of which will have private baths. Interior finish will be of pine. There will be steam heat, elevator service, a hot water system and vacuum cleaning. Bath rooms will be finished in tile. Marble and tile wainscot will be used in the entrance. Exterior of the building will be faced with pressed brick trimmed with terra cotta. Plans are complete and figures are being taken.

HOTEL ADDITION—6 story. Class A construction. Cost not stated. San Francisco. Architect, George William Kelham, Sharon Bldg., S. F. Owners, Palace Hotel Co. The addition will bring the one-story portion of the building, located at the corner of Annie and Jessie streets, up to the height of the Market and Montgomery street elevation. This will require the building of six stories. Construction will, of course, be of the Class A type and the design will follow out the lines of the present building. The new portion will give the hotel over 300 additional rooms and will bring the total number of rooms up to 1,000. Preliminary plans are now being considered by the Palace Hotel Company. Further mention will be made of the work.

RESIDENCE—2 story and base, frame, \$3,000. San Francisco. Architect, none. Owner, Albert J. Hemberger, 146 9th avenue, S. F. The dwelling will be erected on the east side of 17th avenue north of Anza, and has been designed for a six-room house with bath. Interior finish will be of pine and redwood with some white enamel in the bed rooms. Hardwood floors will be used in the principal rooms. There will be open fire places and tile mantels. Bath room will be finished in tile. An automatic water heater will be installed. Exterior of the building will be covered with rustic and cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor.

TRACK SPECIALS—Cost not stated. San Francisco. Engineer, City Engineer, Temporary City Hall, S. F. Owners, City and County of San Francisco. Bids will be opened by the Board of Public Works on July 7th for furnishing track specials under contract No. 7. Complete information can be secured from the Board of Public Works.

RESIDENCE—2 story and base, frame, \$5,500. San Francisco. Architects, J. E. Krafft & Sons, Phelan Bldg., S. F. Owner, Sylvain Levy. The dwelling will be erected in St. Francis Wood, and has been designed for a seven-room house with two baths and sleeping porch. Interior will be finished in pine, hardwood and white enamel. Hardwood floors will be used in the living room, dining room and reception hall. There will be furnace heat and open fire places. Mantels will be of tile and brick. Bath rooms will be finished in tile. An automatic water heater will be installed. Exterior of the dwelling will be covered with brick veneer and shingles. Plans are complete and figures are being taken.

RESIDENCE—2 story and base, frame, \$3,000. San Francisco. Architect, none. Owner, James Welsh, 244 20th avenue, S. F. The dwelling will be erected on the west side of 18th avenue south of Anza, and has been

designed to contain six rooms and bath. Interior will be finished in pine and hardwood veneer with some white enamel. Hardwood floors will be used in the principal rooms. There will be open fire places and tile or brick mantels. Bath room will have tile wainscot. An automatic water heater will be installed. Exterior of the dwelling will be covered with rustic and cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor.

RESIDENCE—2 story and base, frame, \$7,000. San Francisco. Architect, Edward E. Young, 251 Kearny street, S. F. Owner, Thomas Scoble, 363 14th avenue, S. F. The dwelling will be erected on the east side of 27th avenue north of West Clay, and has been designed to contain eight rooms, three baths and sleeping porch. A garage will also be erected. Interior of the dwelling will be finished in pine, hardwood and white enamel. Hardwood floors will be used in the living room, dining room and reception hall. There will be furnace heat and open fire places. An automatic water heater will be installed. Bath rooms will be finished in tile. Exterior of the house will be covered with rustic and cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor. Materials are being purchased.

STORES—1 story and base, brick, \$4,000. San Francisco. Architects, Fabre & Bearwald, Merchants' National Bank Bldg., S. F. Owner's name withheld. The building will be erected on the west side of Mission street near 20th, covering an area of 25 by 90 feet. There will be one store. Interior will be finished in pine with hardwood in the display windows. Patent store fronts are specified. Marble wainscot and bases will be used. Exterior of the building will be faced with white enameled brick. Plans are complete and figures are being taken.

MARKET—1 story and base, brick, \$6,000. San Francisco. Architects, O'Brien Bros., 240 Montgomery street, S. F. Owners, Michaels Bros. The building will be erected on the west side of Gough street north of Post, and has been designed with walls and foundations heavy enough for additional stories. Interior will be arranged for a market and will be finished in pine with a large amount of white enamel and tile. Patent store fronts are specified. Exterior will be faced with white enameled brick. Plans are complete and figures are being taken.

Contracts Awarded

LIGHTING FIXTURES, CITY HALL—\$32,985. San Francisco. Architects, Bakewell & Brown, 251 Kearny street, S. F. Owners, City and County of San Francisco. L. J. Meyberg Co. submitted the lowest bid for furnishing the lighting fixtures for the new City Hall at \$32,985.

FINE ARTS BUILDING ADDITION—2 story, frame, \$12,940. San Francisco. Architect, B. R. Maybeck, Lick Bldg., S. F. Owners, Panama-Pacific International Exposition. Contractor, David Graham, 148 10th avenue, S. F. Contract price, \$12,940.

HOSPITAL REFRIGERATING PLANT AND GARAGE—Cost as follows. San Francisco. Architect, City Department of Architecture, Temporary City Hall, S. F. Owners, City and County of San Francisco. Contractors, H. W. Johns-Manville Co., refrigerating plant, Isolation Hospital, \$1,478. Frame garage at same, Bay City Construction Co. Contract price, \$830.

MUNICIPAL CAR BARN ADDITION—1 story, reinforced concrete, \$32,800. San Francisco. Architect, City Department of Architecture, Temporary City Hall, S. F. Owners, City and County of San Francisco. Bids opened at the last meeting of the Board of Public Works for the construction of an additional story to the Geary Street Municipal Car Barns showed the Construction and Engineering Co., S. F., low at \$32,800. They will probably be awarded the work.

Bids Opened For Hospital Work.

Constructing Quartermaster Receives Bids for Two Buildings at Letterman General Hospital.

Bids were opened Saturday by the Constructing Quartermaster at Fort Mason for the construction of a concrete ward building and also for an addition to the laboratory building at the Letterman General Hospital. Separate bids were received for the plumbing and heating on each of the buildings. An abstract of the bids has been forwarded to Washington, where the formal award of contract will be made.

Concrete Ward Building.

George W. Bixton.....	\$15,439
William A. Newsom.....	13,888
M. Fisher	15,800
MacDonald & Kahn.....	16,990,
Neil A. McLean Co.....	13,888
D. O. Church Co.....	21,950
Lester H. Stock.....	14,797
The Turner Co.....	17,390
R. Ehrhart	14,980
J. D. Hannah.....	15,170
George A. Bos.....	14,115
Foster-Vogt Co.	14,977
MacLaren & Peterson.....	15,451
Pringle, Dunn Co.....	14,250
Monson Bros.	20,937
Frank M. Garden Co.....	14,695

Plumbing on Same.

George W. Bixton.....	\$2,450
Burnham Plumbing Co.....	2,100
D. O. Church Co.....	2,300
The Turner Co.....	2,590
Gilley-Schmid Co.	2,379
William P. Scott.....	2,057

Steam Heating on Same.

George W. Bixton.....	\$1,048
Burnham Plumbing Co.....	698
D. O. Church Co.....	855
Pacific Fire Extinguisher Co.	875
The Turner Co.....	680
Gilley-Schmid Co.	899
William P. Scott.....	720

Addition to Laboratory.

MacDonald & Kahn.....	\$5,250
George W. Bixton.....	3,472
George A. Bos.....	4,471
The Turner Co.....	4,660
Neil A. McLean Co.....	4,289
Lester H. Stock.....	3,829
Frank M. Garden & Co.....	4,300
William A. Newsom.....	4,294
D. O. Church Co.....	6,950
Foster-Vogt Co.	4,267
J. D. Hannah.....	4,300
Monson Bros.	5,437
Pringle, Dunn Co.....	3,975
MacLaren & Peterson.....	4,490
M. Fisher	5,130
J. Collin	4,254

Plumbing on Same.

Gilley-Schmid Co.	\$ 896
George W. Bixton.....	1,100
The Turner Co.....	1,095
D. O. Church Co.....	782
William P. Scott.....	883
Burnham Plumbing Co.....	883

Heating and Ventilating on Same.

Gilley-Schmid Co.	\$455
Pacific Fire Extinguisher Co..	575
George W. Bixton.....	497
The Turner Co.....	380
D. O. Church Co.....	575
William P. Scott.....	390
Burnham Plumbing Co.....	377

City Bids Opened.

Board of Works Receives Figures for Several Important Construction Jobs and Advertise for Others.

Bids were opened at the Wednesday meeting of the Board of Public Works for repairs to the steel bascule bridge at Fourth and Channel streets; for lighting fixtures at the New City Hall; for the construction of the second story of the Geary Street Municipal Car Barn; for a one-story frame garage at the Isolation Hospital, and for refrigerator plant at the Isolation Hospital.

A complete list of the bids received follow.

At the same meeting the Board of Public Works approved plans for boilers, tunnel piping and other work at the Polytechnic High School and ordered bids to be taken. Bids will be opened on July 7th. Several important street jobs were also ordered advertised.

Geary Car Barn.

Construction & Engineering Co.	\$32,800
Lindgren Co.	38,400
J. D. Hannah.	33,495
John Monk	38,706
Van Sant-Houghton Co.	40,837
W. E. Dawson	35,646
J. L. McLaughlin	33,333
W. A. McLean	34,384
H. S. Williams	34,833
Clinton Fireproofing Co.	35,900

Garage Isolation Hospital.

D. O'Day	\$1,072
M. A. McLean	950
Bay City Bldg. Co.	880
O. Monson	977
Fink & Schindler	895

Refrigerator, Isolation Hospital.

Automatic Refrigerator Co.	\$1465
H. W. Johns Manville Co.	1478
T. P. Jarvis	1465
Cyclops Iron Works	1648

Lighting Fixtures for City Hall.

California Metal Wks.	\$39,600	\$39,050
H. W. Johns-Manville Co.	41,980	41,510
L. J. Meyberg Co.	32,985	32,915
D. F. Caldwell Co.	54,361	54,411
Maxwell Hardware Co.	59,250	59,250
Thos. Day Co.	44,659	44,524
Tiffany Studios Co.	49,000	49,000
Rudgear, Merle Co.	50,600	50,600
Ickelheimer Bros. Co.	57,980	57,680
Roberts Mfg. Co.	39,850	39,557
Chas. Brown & Son		

Steel Bascule Bridge.

A. H. Sherzer Rolling Lift Bridge Co., Prop. A, \$—; Prop. B, \$48,623; Prop. C, \$—.

F. Rolandi, Prop. A, \$67,000; Prop. B, \$—; Prop. C, \$117,000.

Tibbitts Pacific Co., Prop. A, \$46,877; Prop. B, \$48,500; Prop. C, \$92,877.

MacArthur Bros. Co., Prop. A, \$59,130; Prop. B, \$—; Prop. C, \$106,421.

Pacific Rolling Mill Co., Prop. A, \$—; Prop. B, \$43,900; Prop. C, \$—.

Thompson Bridge Co., Prop. A, \$37,147; Prop. B, \$47,140; Prop. C, \$84,287.

Dyer Bros., Prop. A, \$—; Prop. B, \$45,000; Prop. C, \$—.

Lindgren Co., Prop. A, \$58,880; Prop. B, \$50,500; Prop. C, \$107,700.

W. E. Dawson, Prop. A, \$55,993; Prop. B, \$—; Prop. C, \$—.

Ross Construction Co., Prop. A, \$—; Prop. B, \$48,783; Prop. C, \$—.

Healy Tibbitts Constr. Co., Prop. A, \$45,217; Prop. B, \$50,824; Prop. C, \$94,421.

California Constr. Co., Prop. A, \$—
Prop. B, \$43,700; Prop. C, \$102,833.

Building Contracts Awarded

San Francisco

No.	Owner.	Contractor	Amt.
1810	Moller	Moller	650
1811	Salch	Novelty	400
1812	Symon	Symon	600
1813	Elko Cafe	Novelty	400
1814	Wannemacker	Holl	500
1815	Miklasiewicz	Brubzo	800
1816	Trost	Trost	750
1817	Wilson	Wilson	450
1818	Bogdanoff	Rudomettin	500
1819	Heyman	Heyman	1500
1820	Giacomini	De Luca	1200
1821	Canepa	Rosina	2782
1822	P. P. I. E.	Graham	12940
1823	Figone	Devencenzi	3000
1824	Same	Same	4500
1825	Hemmings	Owner	4300
1826	Meyerstein	Fisher	2500
1827	Quigley	Props	4750
1828	Tyler	Vodden	4000
1829	Erickson	Owner	3000
1830	Mohr	Bertand	1350
1831	Zellerbach	Zellerbach	1500
1832	Currie	Currie	1500
1833	Thermoid	Federal	400
1834	Heyman	Heyman	1700
1835	Hills	Marcussen	5215
1836	McKevitt	Cameron	16500
1837	Helpers Holy Soul	McCarthy	11785
1838	Kainier Brwy	Holloway	1514
1839	Same	Fibrestone	1850
1840	Same	Monarch	7863
1841	Same	Guilfooy	2727
1842	Same	Zelinsky	1425
1843	Same	Soule	12864
1844	Favilla	Moriconi	7600
1845	Anderson	Anderson	2400
1846	Same	Same	2400
1847	Same	Same	2400
1848	Jorgensen	Lieb	4325
1849	Bareilles	Moren	3060
1850	McDonald	Dickieson	600
1851	Beck	Saloman	400
1852	Martinet	Martinet	800
1853	Garbarino	Cavaglieri	400
1854	Favilla	Moriconi	7600
1855	Breslauwer	Hinson	5992
1856	Nelson	Nelson	2500
1857	Nelson	Nelson	2500
1858	Nelson	Nelson	2500
1859	Nelson	Nelson	2500
1860	McSheehy	McSheehy	3000
1861	Scoble	Scoble	7000
1862	Scoble	Scoble	8500
1863	Beck	Smith	400
1864	Kane	Wagner	400
1865	Olsen	Cox	450
1866	Strom	Strom	1000
1867	Randazzo	Sturges	500
1868	Slate	Lang	650
1869	Slack	Moore	500
1870	Bashford	Fairfield	500
1871	Kurtela	Marovich	400
1872	Scoble	Scoble	6000
1873	Graves	W'n Bldrs	1175
1874	Same	Rudgear	1850

ALTERATIONS

(1810) NE BRYANT AND HARRIETT
Alter flats.

Owner.....R. W. Moller, 185 Steven-
son, San Francisco.

Architect...None.

Contractor..Fred Moller, 1324 Haight,
San Francisco.

COST, \$650

MARQUISE

(1811) NO. 386 GEARY. Erect
marquise.

Owner.....Salch Fielding Hotel Co.,
Premises.

Architect...None.

Contractor..Novelty Elec. Sign Co., 165
Eddy, San Francisco.

COST, \$400

TEMPORARY SEAT'S

(1812) SE BUSH AND SCOTT. Erect
temporary seats.

Owner.....G. Symon, 1527 Market,
San Francisco.

Architect...None.

Day's work. COST, \$600

MARQUISE

(1813) SW JACKSON AND KEARNY.

Erect marquise.

Owner.....Elko Cafe, Premises.

Architect...None.

Contractor..Novelty Elec. Sign Co., 165
Eddy, San Francisco.

COST, \$400

ALTERATIONS

(1814) N SEVENTEENTH 100 E Fol-
som. Alter laundry.

Owner.....Robt. Wannemacker, 1049
Stanyan, San Francisco.

Architect...None.

Contractor..Jos. Holl, 161 Precita Ave.,
San Francisco.

COST, \$500

FRAME DWELLING

(1815) W LA GRANDE 175 S Russia.
One-story and basement frame dwlg.

Owner.....F. Miklasiewicz, 332 Rus-
sia Ave., S. F.

Architect...None.

Contractor..T. Bruzo, 116 Russia Ave.,
San Francisco.

COST, \$800

ALTERATIONS

(1816) N ARMY 560 E Mission. Gen-
eral alterations and repairs to dwlg.

Owner.....Robt. Trost, 26th and
Howard, San Francisco.

Architect...None.

Day's work. COST, \$750

ALTERATIONS

(1817) NO. 118 BURNETT. Alter and
add to dwelling.

Owner.....R. C. Wilson.

Architect...None.

Day's work. COST, \$450

FINISH BASEMENT

(1818) 8 W WISCONSIN 225 S 22nd.
Finish basement for 4-room flat.

Owner.....John Bogdanoff.

Architect...None.

Contractor..John Rudomettin, 871
Rhode Island, S. F.

COST, \$500

FRAME DWELLING

(1819) E SEARS 175 S Sickles. One-
story and basement frame dwelling.

Owner.....Oscar Heyman & Bro., 742
Market, San Francisco.

Architect...None.

Day's work. COST, \$1500

GARAGE

(1820) NW SAN BRUNO AVE AND
Warde. Reinforced concrete retain-
ing walls, concrete steps, walks and
floors, excavating and filling; also
construction of the garage of rein-
forced concrete, with its floor, roof
pit, etc.

Owner.....N. T. Giacomini.

Architect...Albert L. Lapachet, 110
Sutter, San Francisco.

Contractor..R. De Luca.

Filed June 19, '15. Dated June 10, '15.
Excavating completed and crib-
bing in and reinforcing set.....\$200

Completed and accepted..... 600

30 days after..... 400

TOTAL COST, \$1200

Bond, \$600. Surety, American Surety
Co. Limit, 60 days from June 10. For-
and specifications filed.

felt, \$5. Bonus, \$2.50 per day. Plans

FRAME FLATS

(1821) E GRANT AVE 68 S Chestnut.

All work except gas and electric fix-

tures, window shades, finish hardware for two-story frame flats.
Owner.....John Canepa.
Architect...None.
Contractor...C. Rosina.
Filed June 21, '15. Dated June 19, '15.
Rough work and roof on.....\$695.50
Brown coated 695.50
Completed and accepted..... 695.50
Usual 35 days..... 695.50
TOTAL COST, \$2782

Bond, \$1391. Surety, Giuseppe Degliantoni. Limit, 80 days after June 21. Forfeit, none. Plans and specifications filed.

ANNEX TO FINE ARTS BUILDING
(1822) EXPOSITION SITE. All work for Fine Arts Building Annex.
Owner.....Panama-Pacific International Exposition Co., Exposition Site, S. F.
Architect...None.
Contractor...David Graham.
Filed June 21, '15. Dated June 2, '15.
Progressive payments of..... 75%
Usual 35 days..... 25%
TOTAL COST, \$12,940

Bond, \$7000. Surety, Maryland Casualty Co. Limit, 20 days. Forfeit, \$50. Plans and specifications filed.

FRAME FLATS
(1823) W TAYLOR 127-6 N Filbert (rear). Three-story and basement frame flats.
Owner.....L. Figone & R. Zappettini, 86 Valpariso, S. F.
Architect...J. Devenenzi, 1069 Union, San Francisco.
Contractor...Devenenzi Bros. & Co., 1069 Union, S. F.
COST, \$3000

FRAME FLATS
(1824) W TAYLOR 127-6 N Filbert. Three-story and basement frame flats
Owner.....L. Figone & R. Zappettini, 86 Valpariso, S. F.
Architect...J. Devenenzi, 1069 Union, San Francisco.
Contractor...Devenenzi Bros. & Co., 1069 Union, S. F.
COST, \$4500

FRAME FLATS
(1825) E FIFTEENTH AVE 25 N California. Two-story and basement (2) frame flats.
Owner.....W. L. Hemmings, Inc., 1600 Fell, San Francisco.
Architect...None.
Day's work. COST, \$4300

ALTERATIONS
(1826) NE GEARY AND GRANT AVE. Alter store.
Owner.....A. L. Meyerstein, Balboa Bldg., San Francisco.
Architect...None.
Contractor...M. Fisher, 105 Montgomery San Francisco.
COST, \$2500

FRAME FLATS
(1827) N CLEMENTINA 225 W Fourth Three-story and basement frame (3) flats.
Owner.....Dennis Quigley, 74-A Stillman, San Francisco.
Architect...None.
Contractor...W. Props, 1301 Gough, San Francisco.
COST, \$4750

FRAME RESIDENCE
(1828) W SIXTEENTH AVE 50 N Balboa. Two-story and basement frame residence.
Owner.....George S. Tyler and wife, 520 Shrader, S. F.
Architect...Walter G. Vodden, 1015 Cole, San Francisco.
Contractor...Thos. Vodden & Son, 1015 Cole, San Francisco.
COST, \$4000

FRAME DWELLING
(1829) S CASELLI 553 W Douglass. Two-story and basement frame dwlg.
Owner.....Ernest B. Ericksson, 972 Plymouth Ave., S. F.
Engineers...Koenig & Christiansen, 914 Humboldt Bank Bldg., San Francisco.
Day's work. COST, \$3000

ADDITION
(1830) NW LAKE AND TWENTIETH Ave. Add three rooms to dwelling.
Owner.....S. Mohr, Jewelers' Bldg., San Francisco.
Architect...None.
Contractor...P. E. Bertand, 875 Post, San Francisco.
COST, \$1350

FOUNDATION
(1831) E SANSOME 89 S California. Construct foundation for four-story Class "C" office building.
Owner.....J. C. Zellerbach, Pine and Battery, San Francisco.
Architect...MacDonald & Macdonald, Holbrook Bldg., S. F.
Day's work. COST, \$1500

FRAME DWELLING
(1832) N BALBOA 107-6 E 33rd Ave. Two-story and basement frame dwlg.
Owner.....Jas. Currie, 698 33rd Ave., San Francisco.
Architect...None.
Day's work. COST, \$1500

ELECTRIC SIGN
(1833) NO. 1451 VAN NESS AVE. Electric sign.
Owner.....Thermoid Rubber Co., 674 Monadnock Bldg., S. F.
Architect...None.
Contractor...Federal Elec. Sign Co., 257 8th, San Francisco.
COST, \$400

FRAME DWELLING
(1834) E THIRTY-FOURTH AVE 50 S Cabrillo. One-story and basement frame dwelling.
Owner.....Oscar Heyman & Bro., 742 Market, San Francisco.
Architect...None.
Day's work. COST, \$1700

FRAME RESIDENCE
(1835) E SEVENTEENTH AVE 72 N Lake N 28xE 57-6. All work for two-story and basement frame residence.
Owner.....Myrtle E. Hills.
Architect...Albert Farr, 68 Post, S. F.
Contractor...Marcus Marcussen, Royal Insurance Bldg., S. F.
Filed June 22, '15. Dated June 17, '15.
Framing complete\$ 800
Plastering done 860
Mill work and stairs in place... 1000
Completed and accepted..... 1251
Usual 35 days..... 1304
TOTAL COST, \$5215
Bond, \$2608. Surety, The Aetna Accident & Liability Co. Limit, 90 days.

Forfeit, \$10. Plans and specifications filed.

BRICK APARTMENTS
(1836) N O'FARRELL 187-6 W Leavenworth W 25xN 90. All work for three-story and basement Class "C" brick apartments.
Owner.....Hugh K. McKeivitt, 312 Hearst Bldg., S. F.
Architect...C. O. Clausen, Hearst Bldg San Francisco.
Contractor...Cameron & Disston, 831 Hearst Bldg., S. F.
Filed June 22, '15. Dated June —, '15.
On 1st of each month..... 75%
Usual 35 days, 25%.....\$4125
TOTAL COST, \$16,500
Bond, none. Limit, 100 days. Forfeit, none. Plans and specifications filed.

FRAME ADDITION
(1837) N HAIGHT 60 N Laguna N 137-6 E 60 S 137-6 W 60. All work for three-story and basement frame addition to present building.
Owner.....The Helpers of the Holy Soul.
Architect...Welsh & Carey, Merchants National Bank Bldg., S. F.
Contractor...McCarthy & Walker, 132 Eureka, San Francisco.
Filed June 22, '15. Dated June 21, '15.

Frame up\$2500
Brown Coated 2000
Plaster finished 1500
Ready for painter..... 1000
Completed and accepted..... 1838
Usual 35 days..... 2947
TOTAL COST, \$11,785
Bond, \$5893. Sureties, P. J. Sullivan and Isaac Friedman. Limit, 90 days. Forfeit, \$10. Plans and specifications filed.

TILE FLOORS, ETC.
(1838) W BRYANT, bet. Alameda and Fifteenth. All work for tile floors and wainscoting for brewery building.
Owner.....Rainier Brewing Co. by Sound Constr. & Eng. Co., Agent.
Architect...Carl Siebrand.
Contractor...Holloway Expanded Metal Co., 681 Market, S. F.
Filed June 22, '15. Dated May 12, '15.
On 10th of each month..... 75%
Usual 35 days..... 25%
TOTAL COST, \$1514.50
Bond, none. Limit, Sept. 15. Forfeit, \$20. Plans and specifications filed.

(1839) MASTIC AND LITHOCRITE flooring, roofing, excepting flashing counter, flashing sumps and suppers on above.
Contractor...Fiberstone & Roofing Co., 971 Howard, San Francisco.
Filed June 22, '15. Dated May 11, '15.
Payments same as above.....
TOTAL COST, \$1850
Bond, none. Limit, Sept. 15. Forfeit, \$20. Plans and specifications filed.

(1840) ORNAMENTAL AND OTHER iron work on above.
Contractor...Monarch Iron Works, 1161 Howard, San Francisco.
Filed June 22, '15. Dated May 7, '15.
Payments same as above.....
TOTAL COST, \$7863
Bond, none. Limit, Sept. 15. Forfeit, \$50. Plans and specifications filed.

(1841) SHEET METAL WORK ON above.

Contractor...Guilfooy Cornice Works, 209 8th, San Francisco.

Filed June 22, '15. Dated —.

Payments same as above.....

TOTAL COST, \$2727

Bond, none. Limit, Sept. 15. Forfeit, \$25. Plans and specifications filed.

(1842) PAINTING ON ABOVE.

Contractor...D. Zelinsky & Sons, 564 Eddy, San Francisco.

Filed June 22, '15. Dated —.

Payments same as above.....

TOTAL COST, \$1425

Bond, none. Limit, Sept. 15. Forfeit, \$20. Plans and specifications filed.

(1843) REINFORCING STEEL BARS

for floors and roof slabs on above Contractor...Edward L. Soule Co., Rialto Bldg., San Francisco.

Filed June 22, '15. Dated —.

Payments same as above.....

TOTAL COST, \$12,864

Bond, none. Limit, as fast as required. Forfeit, \$50. Plans and specifications filed.

BRICK BUILDING

(1844) E COLUMBUS AVE. bet Union and Green 45-10 on W Stockton by 126-5. All work for one-story and basement brick building.

Owner.....C. and H. Favilla and P. A. Bricca, 526 Columbus Ave., San Francisco.

Architect...Louis Mastropasqua, 580 Washington, San Francisco

Contractor...G. Moriconi and G. Passalino.

Filed June 22, '15. Dated June 22, '15.

Ready for joists.....\$1900

Under roof on..... 1900

Completed and accepted..... 1900

Usual 35 days..... 1900

TOTAL COST, \$7600

Bond, none. Limit, 70 days. Forfeit, \$20. Plans and specifications, none.

FRAME DWELLING

(1845) W SEVENTEENTH AVE 450 S Geary. Two-story and basement frame dwelling.

Owner.....J. Anderson, 423 16th Ave., San Francisco.

Architect...None.

Day's work. COST, \$2400

FRAME DWELLING

(1846) W SEVENTEENTH AVE 425 S Geary. Two-story and basement frame dwelling.

Owner.....J. Anderson, 423 16th Ave., San Francisco.

Architect...None.

Day's work. COST, \$2400

FRAME DWELLING

(1847) W SEVENTEENTH AVE 400 S Geary. Two-story and basement frame dwelling.

Owner.....J. Anderson, 423 16th Ave., San Francisco.

Architect...None.

Day's work. COST, \$2400

FRAME FLATS

(1848) W CAPP 100 S 18th S 30xW 122-6 All work for two-story and basement frame flats.

Owner.....Marie Jorgensen, 320 Capp, San Francisco.

Architect...T. Paterson Ross, 310 California, San Francisco.

Contractor...Lieb Bros., 2872 Folsom, San Francisco.

Filed June 23, '15. Dated June 15, '15.

Frame up\$ 844

Roof on 800

Brown coated 800

Completed and accepted..... 800

Usual 35 days..... 1081

TOTAL COST, \$4325

Bond, \$2163. Sureties, Adam H. and Myrtle Lieb. Limit, 100 days. Forfeit, \$20. Plans and specifications filed.

FRAME RESIDENCE

(1849) N McKINNON AVE 100 W Newhall W 50xN 100. All work for one-story and basement frame residence.

Owner.....P. Bareilles, 1436 Galvez Ave., San Francisco.

Architect...Fabre & Bearwald, Merchants Nat'l Bank Bldg., San Francisco.

Contractor...Geo. G. Moren, 125 Falcon Ave., San Francisco.

Filed June 23, '15. Dated June 11, '15.

Enclosed and sheathing on roof.\$765

Brown coated 765

Completed and accepted..... 765

Usual 35 days..... 765

TOTAL COST, \$3060

Bond, \$1530. Surety, Globe Indemnity Co. Limit, 70 days. Forfeit, \$5. Plans and specifications filed.

ALTERATIONS

(1850) NO. 9 LANGTON. Alter laundry.

Owner.....B. A. McDonald, 41 Montgomery, San Francisco.

Architect...None.

Contractor...J. E. Dickieson, 1046 Hyde San Francisco.

COST, \$400

ALTERATIONS

(1851) NO. 1222 STANYAN. Alter dwelling.

Owner.....I. Beck, Premises.

Architect...None.

Contractor...L. Salomon, 1303 Ellis, San Francisco.

COST, \$400

FRAME DWELLING

(1852) E HARWARD 25 N Felton. One-story and basement frame dwlg.

Owner.....A. Martinet, 1538 Felton, San Francisco.

Architect...None.

Day's work. COST, \$800

ALTERATIONS

(1853) SW YORK AND TWENTY-third. Alter dwelling and market.

Owner.....John Garbarino.

Architect...None.

Contractor...S. Cavaglieri, 593 Potrero, San Francisco.

COST, \$400

ALTERATIONS, ETC.

(1854) E COLUMBUS AVE 89-5½ S Union frontage of 59-7½ on Columbus Ave.

W Stockton 68-9 S Union depth of 88-3½ on N line of Lot and 126-5½ on S line. All work except marble work, electric wiring, painting, mar- quise work, finish hardware, window shades and electric and gas fixtures for alterations and additions to one-story brick building.

Owner.....C. Favilla, T. C. Favilla & P. A. Bricca, 526 Columbus Ave., San Francisco.

Architect...Louis Mastropasqua, 580 Washington, San Francisco

Contractor...G. Moriconi & G. Passerino

Filed June 24, '15. Dated June 21, '15.

Joists at first floor on.....\$1900

Joists under roof on..... 1900

Completed and accepted..... 1900

Usual 35 days..... 1900

TOTAL COST, \$7600

Bond, none. Limit, Sept. 1, 1915. Forfeit, none. Plans and specifications filed.

BRICK STORES

(1855) N GOLDEN GATE AVE 192-6 W Polk W 32-6xN 120. All work for one-story and basement brick store building.

Owner.....D. Breslauer Estate Co.

Architect...O. R. Thayer, 20 Montgomery, San Francisco.

Contractor...L. A. Hinson, 110 Jessie, San Francisco.

Filed June 24, '15. Dated June 22, '15.

Walls to 1st floor.....\$1498

Roofed 1498

Completed and accepted..... 1498

Usual 35 days..... 1498

TOTAL COST, \$5992

Bond, \$3000. Sureties, Chas. Hock and R. D. Felt. Limit, 55 days. Forfeit, none. Plans and specifications filed.

FRAME DWELLING

(1856) W TWENTY SEVENTH AVE 75 S Lincoln Way. Two-story and basement frame dwelling.

Owner.....F. Nelson, 30 Presidio Terrace, San Francisco.

Architect...None.

Day's work. COST, \$2500

FRAME DWELLING

(1857) W TWENTY-SEVENTH AVE. 425 S Lincoln Way. Two-story and basement frame dwelling.

Owner.....F. Nelson, 30 Presidio Terrace, San Francisco.

Architect...None.

Day's work. COST, \$2500

FRAME DWELLING

(1858) W TWENTY-SEVENTH AVE. 250 S Lincoln Way. Two-story and basement frame dwelling.

Owner.....F. Nelson, 30 Presidio Terrace, San Francisco.

Architect...None.

Day's work. COST, \$2500

FRAME DWELLING

(1859) W TWENTY-SEVENTH AVE. 150 S Lincoln Way. Two-story and basement frame dwelling.

Owner.....F. Nelson, 30 Presidio Terrace, San Francisco.

Architect...None.

Day's work. COST, \$2500

FRAME DWELLING

(1860) N UPPER TERRACE 250 E Clifford. Two-story and basement frame dwelling.

Owner.....McSheehy Bros., 73 Langton, San Francisco.

Architect...None.

Day's work. COST, \$3000

FRAME DWELLING

(1861) E TWENTY-SEVENTH AVE 100 N West Clay. Two-story and basement frame dwelling.

Owner.....Thos. Scoble, 363 14th Ave., San Francisco.

Architect...E. E. Young, 251 Kearny, San Francisco.

Day's work. \$7000

(1862) SW PALM AVE & CALIFORNIA Two-story and basement frame (4) flats.

Owner.....Thos. Scoble, 363 14th Ave.,
San Francisco.
Architect...E. E. Young, 251 Kearny,
San Francisco.
Day's work. COST, \$8500

ALTERATIONS
(1863) NO. 779 MARKET. Alter candy
store.
Owner.....C. M. Beck, Premises.
Architect...None.
Contractor...A. H. Smith, 1366 Sutter,
San Francisco.
COST, \$400

CONCRETE FOUNDATION, ETC.
(1864) NO. 1872 FOLSOM. Concrete
floor and foundation and move barn.
Owner.....M. V. Kane, 2419 25th, S. F.
Architect...None.
Contractor...Geo. Wagner, 178 Henery,
San Francisco.
COST, \$400

RAISE AND ALTER COTTAGE
(1865) NO. 723-A SAN JOSE AVE.
Raise and alter cottage.
Owner.....Nellie Olsen.
Architect...None.
Contractor...Louis M. Cox, 43 Fair Ave.,
and Robt. Ceiley, 721 San
Jose Ave., S. F.
COST, \$450

CONCRETE RETAINING WALL
(1866) PERALTA AND FLORIDA.
Concrete retaining wall.
Owner.....Alf Strom, 143 Peralta,
San Francisco.
Architect...None.
Contractor...Alf. Storm, 143 Peralta
San Francisco.
COST, \$1000

ALTERATIONS
(1867) NO. 660 EIGHTH AVE. Alter
dwelling.
Owner.....J. Randazzo, 829 Green-
wich, San Francisco.
Architect...None.
Contractor...B. Sturges, 3931 Geary,
San Francisco.
COST, \$500

FRAME DWELLING
(1868) N SANTIAGO 32-6 W 17th Ave.,
One-story and basement frame dwlg.
Owner.....Miss E. Slate.
Architect...None.
Contractor...Arthur Lang, 1850 19th
Ave., San Francisco.
COST, \$650

ALTERATIONS
(1869) NO. 2224 SACRAMENTO. Slate
roof and repair brick work.
Owner.....Chas. W. Slack, Premises.
Architect...N. Blaisdell, 255 California,
San Francisco.
Contractor...Moore & Watson, 212 Shar-
on Bldg., San Francisco.
COST, \$500

ADDITION
(1870) W TWENTIETH AVE 125 S
Clement. Add 1 room and fire place.
Owner.....C. J. Bashford, Premises.
Architect...None.
Contractor...Fairfield & Mason, 244
Kearny, San Francisco.
COST, \$500

ALTERATIONS
(1871) NO. 232 O'FARRELL. Alter
grill.
Owner.....Martin Kurtela, Premises.
Architect...None.

Contractor...S. Maronich, 4157 24th,
San Francisco.
COST, \$400

FRAME FLATS
(1872) E SIXTH AVE 250 S Anza.
Two-story and basement frame (4)
flats.
Owner.....Thos. Scoble, 363 14th Ave.,
San Francisco.
Architect...E. E. Young, 251 Kearny,
San Francisco.
Day's work. COST, \$6000

RESIDENCE
(1873) NO. 2820 SCOTT E line bet.
Green and Union. Compo for resi-
dence.
Owner.....Maud James Graves.
Architect...L. Kreiss & Sons, Sutter &
Stockton, San Francisco.
Contractor...Western Builders' Supply
Depot, 155 New Montgom-
ery, San Francisco.
Filed June 25, '15. Dated June 18, '15.
Progressive payments on 1st and
15th of each month..... 25%
Usual 35 days.....
TOTAL COST, \$1175
Bond, \$587.50. Surety, Massachusetts
Bonding & Insurance Co. Limit, none.
Forfeit, \$10. Plans and specifications
filed.

(1874) ORNAMENTAL BRONZE AND
iron on above.
Contractor...Rudgear-Merle Co., Bay &
Stockton, San Francisco.
Filed June 25, '15. Dated June 25, '15.
Payments same as above.....
TOTAL COST, \$1850
Bond, none. Limit, 35 days. Forfeit,
\$10. Plans and specifications filed.

INCORPORATIONS

Modern Corporation. Capital Stock,
\$25,000; subscribed, \$300; shares, \$100
each. Directors—H. M. Anthony, D. J.
Graf and M. Walker, 1 share each.
Place of business, San Francisco.

Kaplan Ladies Tailor, Inc. Capital
Stock, \$5000; subscribed, \$15; shares, \$5
each. Directors—E. Kaplan, W. H.
Wright, D. Palker, 1 share each. Place
of business, San Francisco.

The Taxi Renting Co. Capital Stock,
\$5000; subscribed, \$30; shares, \$10 each.
Directors—J. Gally, W. G. Weiss, J. D.
Rutledge, 1 share each. Place of busi-
ness, San Francisco.

Fine Arts Press. Capital Stock, \$10,-
000; subscribed, \$20; shares, \$1 each.
Directors—M. H. Flader, R. K. Blair,
W. Gruettner, W. H. Griffith, 5 shares
each. Place of business, S. F.

LEASE.

June 25, 1915—S MOULTON 80 W Fill-
more W 28-9xS 60. Augustus Regoli
and Francis De Belli to Gustave J
Pates. 2 years. \$420.

June 22, 1915—N NATOMA 100 E 7th
E 25xN 75; Nos. 588 and 590 Natoma.
Annie T and Jos F Dwyer to Alex-
ander Curry. 5 years. \$40 per month

COPARTNERSHIP.

Chris Larsen, the well known con-
tractor, has taken his son Geo. F. Lar-
sen into copartnership and are now
doing business under the name of Chris
Larsen & Son.

This new firm is prepared to contract
for the erection of any class of build-

ing. Their office is at the General Con-
tractors' Association, 110 Jessie St.

NOTICE OF NON-RESPONSIBILITY.

June 25, 1915 LOT 27 BLK 6417
Crocker Amazon Tel Sub 2. Crock-
er Estate Co as to improvements on
leased property

COMPLETION NOTICES

San Francisco

June 19, 1915—SE PARIS 275 NE
Italy Ave NE 25xSE 100. Joseph H
Ellis to L L Allen.....June 18, 1915
June 19, 1915—LOT 11 BLK 1, St.
Francis Wood. St. Francis Home
Bldg Co to W J Biddle, June 12;
Same to Same.....June 12, 1915
June 19, 1915—LOT 16 BLK 2, St.
Francis Wood. St. Francis Home
Bldg Co to W J Biddle, June 12;
Same to Same.June 12, 1915
June 19, 1915—W STOCKTON 70 N
Filbert N 22-6xW 57-6. Carmela
Barletta vs V Filippis. June 18, 1915
June 19, 1915—W BRYANT 163 S 26th
Henry Grahn to Wm H Grahn.....
.....June 18, 1915
June 19, 1915—E WANDA 250 N
Onondaga Ave N 75xE 100. N J
Nelson to whom it may concern..
.....June 16, 1915
June 19, 1915—S PAGE 150 W Shrader
W 25xS 137-6. Charles E Reinhart
to whom it may concern. June 16, '15
June 21, 1915—W ELEVENTH AVE
100 N Fulton N 25xW 120. James
and wife Letitia R Flanagan to
whom it may concern..June 14, 1915
June 21, 1915—W SIXTEENTH AVE
200 N Balboa N 25xW 120. Michael
Costello and Bryan Feerick to
whom it may concern..June 16, 1915
June 22, 1915—N ANZA 57-6 W 9th
Ave W 25xN 100. John McCullough
to Liebert & Martinelli. June —, 1915
June 22, 1915—S BUSH 137-6 W Mont-
gomery S 137-6xW 70. Shiels Est
Co to Richard J H Forbes. June 18, '15
June 22, 1915—W NINTH AVE 250 N
Moraga N 25xW 120. Alpheus and
wife, Mary E Duffee to whom it
may concern.....June 22, 1915
June 22, 1915—LOT 12 BLK 23, Lake-
view. Elizabeth C or Mrs Lizzie
Hunter to D Houle.....June 21, 1915
June 22, 1915—N CALIFORNIA 106-3
E Steiner N 132-8½xE 99. Pacific
Realty Co to James P Fletcher,
June 15; Adler & Lewis. June 15, 1915
June 22, 1915—S TWENTIETH bet.
Church and Sanchez. Sydney John
Walker to H E & T W McArthur..
.....June 19, 1915
June 22, 1915—SW NINTH AVE &
Moraga S 58xW 95. Fredk. Sulger
to Wm Little.....June 17, 1915
June 23, 1915—S KIRKHAM 106-6 E
12th Ave E 26x100. Mary Delay to
G H and R H Old.....June 23, 1915
June 23, 1915—N POST 90 W Buch-
anan 75x137-6. J H Bohlrig to G
Cavaglieri.....June 21, 1915
June 23, 1915—W EIGHTEENTH AVE
75 S California S 75xW 120. Grace
Yager to whom it may concern..
.....June 23, 1915
June 23, 1915—SE FRANKLIN AND
Clay S 37-8½xE 85. Jacob Neus-
tadtter to whom it may concern..
.....June 22, 1915
June 23, 1915—SW GREENWICH &
Baker S 25xW 100. Mary E Cody
to A N Anderson.....June 11, 1915

June 23, 1915—N GEARY 60 W Jordan Ave N 100x—30. Frank Pegel to whom it may concern. June 22, '15
 June 23, 1915—W EIGHTH AVE 175 S Geary S 50xW 120. The United Railroads of S F to Williams Bros & Henderson. June 19, 1915
 June 23, 1915—NW GEARY & JORDAN Ave W 30xN 100. Frank Pegel to whom it may concern. June 22, 1915
 June 24, 1915—S FRANCISCO 72-8 E Hyde E 22xS 28. George A Clough to Henry Conrad. June 19, 1915

LIENS FILED

SAN FRANCISCO COUNTY.

June 19, 1915—E SIXTEENTH AVE 154-3 N Clement N 26xE 135; E 16th Ave 232-3 N Clement N 26xE 135; E 16th Ave 258-3 N Clement N 26xE 135. J H Kruse vs W F Yates and Jeanette Yates...\$2453.16
 June 19, 1915—E TWENTY-FIRST Ave 54 S Lake S 25xE 82-6. J H Kruse vs W F Yates and Jeanette Yates...\$592.01
 June 19, 1915—SW MOULTON AND Fillmore S 60xW 137-6. Bennett Bros vs George L Streshley, Gus J Pates, Thos R and Mary Crowley, James P Sweeney, Augusts Regoli, Francis De Belli and J S Howell...\$83.65
 June 19, 1915—W TWENTIETH AVE 100 N Anza N 25xW 120. M H Farrell, \$165.35; Columbia Lumber Co, \$776.74 vs Charles E Ham and McCausland Bros...
 June 19, 1915—W DOLORES 51-6 S 28th; No. 1506 Dolores. Charles Ashinger vs Annie Koehane...\$160.50
 June 21, 1915—SW FOLSOM AND Rodgers 152-6x125. Hicks-Folte Cptn vs Galland Mercantile Laundry and McDonald & Kahn...\$122.10
 June 21, 1915—W TWENTIETH AVE 100 N Anza N 25xW 120. William Heidenreich vs Charles E Ham and McCausland Bros...\$112
 June 21, 1915—S FULTON 75-3 E Octavia E 50 S 137-6 W 25 N 50 W 25 N 87-6. Wilson Bros & Co vs C Almar, A Porta and N T Giacomini...\$118.25
 June 21, 1915—W TWENTIETH AVE 100 N Anza N 25xW 120. Reinhart Lumber & Planing Mill Co vs Chas E Ham and McCausland Bros...\$436.61
 June 21, 1915—W TWENTIETH AVE 100 N Anza N 25xW 120. Atlas Mortar Co, \$28; Henry Cowell Lime & Cement Co, \$18.15 vs McCausland Bros and Chas E Ham...
 June 21, 1915—S LOMBARD 230 W Steiner W 45xS 95. D J Dolan Wrecking & Constr Co vs Patrick A Dolan...\$8209.44
 June 21, 1915—S LOMBARD 237-6 E Pierce E 45xS 95 W A 399. Charles A Nance, \$2150 vs P A Dolan...
 June 21, 1915—W TWENTIETH AVE 100 m or 1 N Anza; Nos. 479 and 481 20th Ave. Inlaid Hardwood Co vs C E Ham and McCausland Bros...\$130
 June 22, 1915—W TWENTIETH AVE 100 N Anza N 25xW 120. Independent Roof & Paving Co vs Chas E Ham and McCausland Bros...\$40
 June 21, 1915—S LOMBARD 137-6 E Pierce E 45xS 95 W A 399. Monaghan & McGlinchey vs P A Dolan...\$264.55
 June 22, 1915—SW MOULTON AND Fillmore W 137-6xS 60. City Protective Electric Co vs George L

Streshly, Gas Pates, Thomas R Crowley, Mary Crowley, Jas P Sweeney, Augustus Regoli, Francis De Belli and J S Howell...\$413.54
 June 22, 1915—SE CHESTNUT AND Steiner E 100xS 25. City Protective Electric Co vs R W and R C Walbey, William C Crittenden, Harry P Merritt and George L Streshly...\$56.94
 June 22, 1915—W TWENTIETH AVE 100 N Anza N 25xW 120. W J Dowling Jr vs Chas E Ham and McCausland Bros...\$44
 June 23, 1915—W POWELL 91-3 N Post N 46-1xW 80. J W Schouten & Co vs J Sockolov...\$2300
 June 23, 1915—E FRONT bet Clay and Washington; No. 430 Front. J S Guerin Co vs E W Hopkins, Thomas & Sands and Thos H Price...\$187.45
 June 23, 1915—W POWELL 91-3 N Post N 46-1xW 80. Standard Varnish Works vs J Sockolov...\$103
 June 23, 1915—N GEARY 75 W Wood W 25-9xN 100. James H Daly vs San Francisco Bldg Co and John Henry Meredith...\$8
 June 24, 1915—S TURK 57-6 E Polk E 30xS 85. Dresser, McDonnell & Co vs John M Boscus...\$117.50
 June 25, 1915—S CARL 100 E Shrader E 100 S 112-6 E 27 N 112-6 W 27. Harry C Warwick vs P D Bernhard...\$3075
 June 25, 1915—N WASHINGTON 47-6 W Locust N 127-8xW 50. F W Kruse vs Carrie N Cook...\$200

RELEASE OF LIENS

June 16, 1915—W SIXTEENTH AVE 200 N Balboa N 25xW 100. George Ryan to Michael Costello and Joseph P Feerick...
 June 17, 1915—E COOK 238-11 N Geary N 25xE 100. John Cassaretto to Catherine Dixon, M Hardy and C Jacobsen...
 June 17, 1915—S CARL 100 E Shrader E 27xS 112-6. Henry Ernst & Sons to P D Bernhard and Harry C Warwick...
 June 16, 1915—E FOLSOM 223-4 N 19th N 38xE 122-6. Stanquist & Forbes to I C Moore Estate Co...
 June 18, 1915—LOT 12 BLK 6417 Crocker Amazon Tract Sub 2. The Greater City Lumber Co to Frank Long and Crocker Estate Co...

OAKLAND AND ALAMEDA COUNTY

RESIDENCE—2 story and base, frame, \$4,500. Oakland, Cal. Architect, none. Owner, R. E. Stubbe, 1209 East 19th street, Oakland. The dwelling will be erected on the west side of Grand avenue south of Boulevard Way. It is designed for an eight-room house with bath and sleeping porch. Interior finish will be of pine with some elm panels and white enamel. Hardwood floors will be used in the principal rooms. Plans provide for furnace heat and open fire places. Mantels will be of brick or tile. Tile wainscot will be used in the bath room. An automatic water heater is specified. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor.

APARTMENT HOUSE—3 story and base, frame, \$10,000. Berkeley, Alameda Co., Cal. Architect, none. Owner, E. L. Malsbary, 2333 Fulton street, Berkeley. The building will be erected at the northeast corner of Channing Way and Fulton street, and has been designed to contain 24 modern apartments of two rooms each. Interior will be finished in pine with some elm

panels. Hardwood floors will be used in the living rooms. There will be steam heat and a hot water supply. All apartments will have wall beds and private bath rooms. Bath rooms will be finished in tile. Marble and tile wainscot will be used in the entrance vestibule. The exterior of the building will be covered with cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor. Materials are now being purchased.

JUVENILE DETENTION HOME—4 story and base, reinforced concrete, \$75,000. Oakland, Cal. Architect, Henry H. Meyers, Kohl Bldg., S. F. Owners, Alameda County. Plans and specifications for the juvenile detention home to be erected for Alameda County in the city of Oakland have been approved by the Board of Supervisors and are now out for figures. July 19th has been set as the date on which bids will be opened. Plans and specifications can be secured from the architect or from the County Clerk at Oakland. Further mention will be made of the work.

FACTORY—4 story and base, reinforced concrete, \$150,000. Oakland, Cal. Architect, Lewis P. Hobart, Crocker Bldg., S. F. Owners, Shredded Wheat Biscuit Co. This building has been mentioned here a number of times before. Revised floor plans have been completed and new figures are now being called for. The structure will cover a large ground area and will be erected on property bounded by 12th, 14th Union and Poplar, and is the first unit of a large plant to be erected by the owners. Construction will be fireproof. Metal window sash and frames are specified. There will be electric elevators and special conveying machinery. Exterior will be faced with cement plaster. Plans and specifications can be secured from the architect.

FACTORY ALTERATION—Frame construction, \$5,000. Berkeley, Alameda Co., Cal. Architect, none. Owner, Plastic Mfg. Co., 3rd and Bancroft Way, Berkeley. The owners are now taking figures for the rearrangement of the interior of the present factory building. The work will include interior partitions, carpentry work, electric work, plumbing, painting and plastering. Plans can be secured from the owner.

BUNGALOW—1½ story and base, frame, \$3,000. Berkeley, Alameda Co., Cal. Architect, James W. Plachek, Acheson Bldg., Berkeley. Owner, W. E. Turner. The dwelling will be erected on Woolsey street near Dana, and has been designed for a six-room house with bath and sleeping porch. Interior finish will be of pine, hardwood and white enamel. Hardwood floors will be used in the living room, dining room and reception hall. There will be furnace heat and open fire places. Mantels will be of tile or brick. Bath room will have tile wainscot. An automatic water heater will be installed. Exterior of the house will be covered with cement plaster on metal lath. Plans are now being prepared.

BUNGALOWS—3, 1 story and base, frame. Cost not stated. Oakland, Cal. Architect, C. H. Miller, Dalziel Bldg., Oakland. Owner's name withheld. These dwellings have been designed to contain five rooms each. Interiors will be finished in pine and redwood. Each living room will have a tile mantel. Exteriors will be covered with rustic. The architect would like to hear from contractors who will consider taking flats in exchange for part payment.

RESIDENCE—2 story and base, frame, \$3,750. Piedmont, Alameda Co., Cal. Architects, Universal Drafting Bureau, 1844 5th avenue, Oakland. Owner, M. H. Tremble, 2469 Rawson street, Oakland. The dwelling has been designed for a seven-room house with bath and sleeping porch. Interior finish will be of pine and hardwood with some white enamel in the bed rooms. Hardwood floors will be used in the living room, dining room and reception hall. Bath room will be finished in tile. An automatic water heater will be installed. Exterior of the house will be covered with cement plaster on metal lath. Plans are being prepared and when completed the work will be done by Day Labor under the direction of the architect.

RESIDENCE—1 story and base, frame, \$2,000. Berkeley, Alameda Co., Cal. Architects, Universal Drafting Bureau, 1844 5th avenue, Oakland. Owner, C. Texdahl, 3035 Harper street. The dwelling has been designed for a five-room house with bath and sleeping porch. Interior of the house will be finished in pine and redwood. Some oak floors will be used. There will be an open fire place in the living room with tile or brick mantel. Imitation tile wainscot will be used in the bath room. Exterior of the building will be covered with rustic and cement plaster. Plans are being prepared and when complete the work will be done by Day Labor.

RESIDENCE—2 story and base, frame, \$3,000. Alameda, Alameda Co., Cal. Architects, Universal Drafting Bureau, 1844 5th avenue, Oakland. Owner, M. H. Tremble, 2469 Rawson street, Oakland. The dwelling has been designed for a six-room house with bath and sleeping porch. Interior will be finished in pine, redwood and white enamel. Hardwood floors will be used in the living room, dining room and reception hall. There will be open fire places and tile or brick mantels. Tile wainscot will be used in the bath room. An automatic water heater will be installed. Exterior of the dwelling will be covered with shingles. Plans are being prepared and when complete the work will be done by Day Labor.

DETENTION HOME—4 story and base, reinforced concrete, \$75,000. Oakland, Cal. Architect, Henry H. Meyers, Kohl Bldg., S. F. Owners, Alameda County. Plans for the Alameda County Detention Home, a four-story, reinforced concrete building to be erected in Oakland are now out for figures. Bids will be opened on July 19th. The work has been segregated into the following branches

1. Excavating, concrete, grading, pumping, paving, and bulkheading.
2. Carpentry work, mill work, stairs, glass and steel fire doors.
3. Ornamental and miscellaneous iron work, window guards and fire escapes.
4. Plastering, lathing, cementing and dampproofing.
5. Felt and gravel roofing.
6. Sheet metal work, slate roof and skylights.
7. Finish hardware.
8. Painting and tinting.
9. Plumbing, drains and gas fitting.
10. Electric work.
11. Marble and tile work.
12. Heating.
13. Elevator work.

APARTMENT HOUSE—2 story and base, frame, \$15,000. Claremont, Alameda Co., Cal. Architects, Salfeld & Kohlberg, Clunie Bldg., S. F. Owner's name withheld. The building will cover an area of 135 by 40 feet, and has been designed to contain eight apartments of five rooms and bath each. Interior will be finished in pine with some hardwood veneer. Hardwood floors will be used in the living and dining rooms and reception halls. Plans provide for steam heat and a hot water system. Bath rooms will be finished in tile. Wall beds are specified. Exterior of the building will be covered with rustic and cement plaster on metal lath. Plans will be ready for figures in about thirty days. Further mention will be made of the work.

APARTMENT HOUSES—2, 2 story and base, frame, \$15,000 each. Claremont, Alameda Co., Cal. Architects, Salfeld & Kohlberg, Clunie Bldg., S. F. Owner's name withheld. These two buildings will each contain eight apartments of three rooms and bath. Interiors will be finished in pine with some elem panels. Hardwood floors will be used in the principal rooms. There will be steam heat and a hot water supply. Each apartment will have a wall bed and sleeping porch. Bath rooms will be finished in tile. Exterior of the building will be covered with rustic and cement plaster on metal lath. Plans are now being prepared and will go out for figures in about thirty days.

DOCKS AND STORAGE WAREHOUSES—Concrete and frame construction, \$100,000. Oakland, Cal. Architect's name not given. Owner, D. J. Hanlon, foot of 5th avenue, Oakland. Plans are being prepared for a

large dock and a number of ware-houses to be erected on property at the foot of 5th avenue. There will be a considerable amount of piling required. Plans are still in the preliminary stage. Further mention will be made of the work.

RESIDENCE—2 story and base, frame, \$8,500. Oakland, Cal. Architect, Sidney B. Newsom, Nevada Bank Bldg., S. F. Owner, Sidney B. Newsom. The dwelling will be erected in the Crocker Highlands, and has been designed to contain eight rooms, two baths and sleeping porch. Interior finish will be of pine, hardwood and white enamel. Hardwood floors will be used in the principal rooms. There will be furnace heat and open fire places. Mantels will be of tile and brick. Bath rooms will have tile floors and wainscot. An automatic water heater will be installed. Exterior of the house will be covered with cement plaster on metal lath. A garage will also be erected on the property. Plans are complete and figures are being taken.

BUNGALOW COURT—10, 1 story, frame. Cost not stated. Piedmont, Alameda Co., Cal. Architects, Salfeld & Kohlberg, Clunie Bldg., S. F. Owner's name not given. These houses will be arranged around an open court and each has been designed to contain six rooms, bath and sleeping porch. Interiors will be finished in pine and hardwood veneer. Hardwood floors will be used in the principal rooms. Bath rooms will be finished in tile. There will be open fire places in the living rooms with tile or brick mantels. Exterior will be covered with rustic and shingles. Plans are being prepared.

RESIDENCE—1½ story and base, frame. Cost not stated. Berkeley, Alameda Co., Cal. Architect, James W. Placheck, Acheson Bldg., Berkeley. Owner, W. E. Turner. The dwelling will be erected on Woolsey near Dana, and has been designed for a seven-room house with bath and sleeping porch. Interior will be finished in pine and redwood. Hardwood floors will be used in the living and dining rooms. There will be open fire places and tile or brick mantels. Bath room will have tile wainscot. An automatic water heater will be installed. Exterior of the house will be covered with cement plaster. Plans are complete and figures are being taken.

SCHOOL REPAIRS, PLUMBING, ETC.—Cost not stated. Oakland, Cal. Architect, none. Owners, City of Oakland. Bids will be opened on July 6th for exterior and interior painting, lath and plastering, wrought iron gates and fences for portable schools. Plans can be secured from the Secretary of the Board of Education, City Hall.

Building Contracts Awarded

Oakland

No.	Owner	Contractor	Amt.
1173	Morton	Schnebley	2200
1174	Hamilton	Hamilton	400
1175	Hughes	Clement	1000
1176	Taylor	Taylor	400
1177	Hillen	Hillen	2500
1178	Young	Young	1800
1179	Stubbe	Stubbe	4500
1184	Currier	Currier	400
1186	Chauvet	Chauvet	500
1187	Pfrang	Pfrang	2500
1188	Legris	Legris	1800
1189	White	Oakes	450
1190	McClurg	Nichols	7000
1191	Kroman	Christensen	400
1192	Bellini	Bellini	1000
1193	Blake	Metro	500
1194	Carr	Carr	1900
1195	Richardson	Richardson	1750
1196	Whitaker	Crow	400
1197	Rice	Rollins	1000
1198	Heavy	Moore	450
1201	Hamilton	Owner	2400
1211	Hinkley	Kaler	400
1212	Hopkins	Hopkins	500
1216	Peterson	Owner	2500
1217	Bowman	Wilson	500
1218	Kringlen	Owner	2500
1219	Cerp	Cerp	600
1220	Cramer	Smith	1800

ALBANY

(1173) NO. 370 OAKLAND AVE. Oakland. Two-story addition to dwlg.

Owner.....H. Morton, Premises.
Architect...None.
Contractor...Schnebley, Hostrawser & Pedgrift, 6th & Jackson, Oakland.
COST, \$2200

DWELLING

(1174) N HOLLY 175 E 32nd Ave., Oakland. One-story 3-room dwlg.
Owner.....C. W. Hamilton, 9228 Holly Oakland.
Architect...None.
Day's work.
COST, \$400

ALTERATIONS

(1175) NO. 742 FORTY-SIXTH, Oakland. Alterations.
Owner.....David Hughes, Premises.
Architect...None.
Contractor...W. O. Clement, 1908 Berryman, Berkeley.
COST, \$1000

ALTERATIONS

(1176) NO. 438 WALSWORTH AVE., Oakland. Alterations.
Owner.....G. Taylor, Premises.
Architect...None.
Day's work.
COST, \$400

DWELLING

(1177) E SIXTY-SECOND AVE 80 N Fortune Way, Oakland. One-story 5-room dwelling.
Owner.....R. C. Hillen, 430 Haight Ave., Alameda.
Architect...None.
Day's work.
COST, \$2500

DWELLING

(1179) W GRAND AVE 363 S Boulevard Way, Oakland. Two-story 8-room dwelling.
Owner.....R. E. Stubbe, 1209 E-19th, Oakland.
Architect...None.
Day's work.
COST, \$4500

STRUCTURAL STEEL

(1181) NEXT TO POWER HOUSE & felt mill of owner, Emeryville. Structural steel for building.
Owner.....Paraffine Paint Co., 34 First San Francisco.

Architect...Leland S. Rosener, Merchants' Exchange Bldg., San Francisco.
Contractor...Dyer Bros. Golden West Iron Works, 17th and Kansas, San Francisco.

Filed June 21, '15. Dated June 2, '15.
Completed and accepted.....\$3825
Usual 35 days.....1275
TOTAL COST, \$5100

Bond, none. Limit, 30 days. Forfeit, \$5. Plans and specifications, none.

ADDITION


(1184) NO. 5231 E-TWELFTH, Oakland. Addition.
Owner.....N. C. Currier, Premises.
Architect...None.
Day's work.
COST, \$400

ALTERATIONS

(1186) NO. 735 THIRTY-SIXTH, Oakland. Alterations.
Owner.....A. L. Chauvet, Premises.
Architect...None.
Day's work.
COST, \$500

DWELLING

(1187) E DOVER 70 S Sixty-third, Oakland. One-story 5-room dwlg.



Structural Steel Contractors

**Works at
HARRISON ST.,
bet. 8th & 9th
San Francisco**

Telephone Market 337

Owner.....C. J. Pirang, 5187 Claremont Ave., Oakland.

Architect...None.
Day's work.....COST, \$2500

DWELLING

(1194) S FORTY FIFTH 60 E Market, Oakland. One-story 5 room dwelling.
Owner.....L. H. Lewis, 612 11th, Okd.
Architect...None.
Day's work.....COST, \$1800

ALTERATIONS

(1195) N. 9th SIXTEENTH, Oakland.
Alterations and repairs.
Owner.....Warren S. White, 1322 E-25th, Oakland.
Architect...None.
Contractor...W. H. Oakes, 1714 Edgewood, Oakland.
COST, \$150

BRICK GARAGE

(1196) SE BROADWAY AND BROOK, Oakland. One-story brick garage.
Owner.....J. A. McClurg, 17 Prospect Drive, Oakland.
Architect...None.
Contractor...Leo L. Nichols, 1764 Broadway, Oakland.
COST, \$7000

ALTERATIONS

(1197) NO. 5118 MILES AVE., Oakland. Alterations.
Owner.....M. P. Kroman, Premises.
Architect...None.
Contractor...L. Christensen.
COST, \$100

DWELLING

(1198) S FORTY SIXTH 60 E Linden, Oakland. One-story 1 room dwlg.
Owner.....M. Bellini, 857 43rd, Okd.
Architect...None.
Day's work.....COST, \$1000

ALTERATIONS

(1199) N. S. 12th 12, TWELFTH, Oakland. Alterations.
Owner.....Flake Estate.
Architect...None.
Contractor...Metropolitan Furniture Co., 607 14th, Oakland.
COST, \$500

DWELLING

(1200) E SHAFTER AVE 320 S Clinton, Oakland. One-story 5-room dwlg.
Owner.....Wm. L. Carr, 3252 Shafter Ave., Oakland.
Architect...None.
Day's work.....COST, \$1900

DWELLING

(1201) S AGUA VISTA 250 E 38th Ave., Oakland. One-story 5 room dwelling.
Owner.....J. C. Richardson, 3827 Agua Vista Ave., Oakland.
Architect...None.
Day's work.....COST, \$1750

REPAIRS

(1196) NO. 1052 TENTH, Oakland. Repairs.
Owner.....George Whitaker, Prem.
Architect...None.
Contractor...H. A. Crow, 3536 Douglas, Oakland.
COST, \$400

REPAIRS

(1197) NO. 181 STOW AVE., Oakland. Fire repairs.
Owner.....C. Rice, Premises.
Architect...None.
Contractor...E. E. Rollins, 357 Athol Ave., Oakland.
COST, \$1000

ALTERATIONS

(1198) NO. 3444 MARKET, Oakland. Alterations.
Owner.....Mrs. Heawy, Wayne Apts., Oakland.
Architect...None.
Contractor...C. T. Moore, 446 38th. Okd.
COST, \$450

DWELLING

(1201) E FIFTH AVE 100 S E-22nd, Oakland. Two-story 5-room dwlg.
Owner.....W. S. Hamilton, 2118 5th Ave., Oakland.
Architect...None.
Day's work.....COST, \$2400

ALTERATIONS

(1211) NO. 5332 LOCKSLEY AVE., Oakland. Alterations.
Owner.....W. L. Hinkley, Premises.
Architect...None.
Contractor...M. C. Kaler, 1124 98th Ave., Oakland.
COST, \$400

STORES

(1212) N E-FOURTEENTH 50 W 38th Ave., Oakland. One-story 3-room stores.
Owner.....J. H. Hopkins, 3760 E-14th, Oakland.
Architect...None.
Day's work.....COST, \$500

DWELLING

(1216) SE APRICOT AND ROYAL, Oakland. One and one-half-story 5-room dwelling.
Owner.....C. Peterson, 1120 103rd Ave., Oakland.
Architect...None.
Day's work.....COST, \$2500

STORE AND DWELLING

(1218) NW BAY VIEW AND 13TH Ave. Oakland. Two-story 6-room store and dwelling.
Owner.....John Kringlen, 728 E-14th, Oakland.
Architect...None.
Day's work.....COST, \$2500

ADDITION

(1219) NO. 363 105TH AVE., Oakland. Addition.
Owner.....W. Corp, Premises.
Architect...None.
Day's work.....COST, \$600

DWELLING

(1220) N BROOKDALE AVE 100 W Montecello, Oakland. One-story 6-room dwelling.
Owner.....A. L. Cramer, 1540 Broadway, Oakland.
Architect...None.
Contractor...O. G. Smith, 4402 Brookdale Ave., Oakland.
COST, \$1800

Building Contracts Awarded

Berkeley.

1180	Malsbary	Owner	10000
1182	Richard	Richard	400
1183	McFarlin	McFarlin	400
1185	Kelty	Kidder	400
1206	Burrows	Allen	1000
1207	Swenson	Swenson	1600
1208	Schulze	Schulze	2000
1209	Jelica	Jelica	1800
1210	McChesney	McChesney	400
1213	Donahue	Button	6000
1214	Pi Delta	Houghton	16300
1215	McCullough	House	800

APARTMENTS

(1180) NE CHANNING WAY AND Fulton, Berkeley. Three-story 24-room apartments.
Owner.....E. L. Malsbary, 2333 Fulton, Berkeley.
Architect...None.
Day's work.....COST, \$10,000

ALTERATIONS

(1182) W HAWTHORNE TERRACE 95 N Cedar, Berkeley. Alterations and Additions.
Owner.....Grace G. Richard, Prem.
Architect...None.
Day's work.....COST, \$400

ALTERATIONS

(1183) E NINTH 125 S Bristol, Berkeley. Alteration and addition.
Owner.....Jennie W. McFarlin, 1911 9th, Berkeley.
Architect...None.
Contractor...J. D. McFarlin, 1911 9th, Berkeley.
COST, \$400

ALTERATION

(1185) E HILLEGASS 150 S Webster, Berkeley. Alterations and additions.
Owner.....Mrs. Kelty, 3011 Hillegass, Berkeley.
Architect...None.
Contractor...Kidder & McCullough, 2075 Addison, Berkeley.
COST, \$100

ALTERATIONS

(1206) NO. 2910 HILLEGASS AVE., Berkeley. Alter dwelling into flats.
Owner.....Mrs. M. G. Burrows, 558 11th Ave., San Francisco.
Architect...None.
Contractor...F. E. Allen, 468 34th, Okd.
COST, \$1000

DWELLING

(1207) N DELAWARE 102 W McGee, Berkeley. One-story 6-room dwlg.
Owner.....Frank A. Swenson, 2307 E-27th, Oakland.
Architect...None.
Day's work.....COST, \$1600

Building Contracts Awarded

ALAMEDA COUNTY.

No.	Owner.	Contractor	Amt.
1199	Roth	Roth	400
1200	Hoffman	Clark	750
1202	Daniels	Daniels	4000
1203	Strang	Strang	2000
1204	Same	Same	2000
1205	Lechner	Owner	2600
1221	Emmons	Banning	5646

ALTERATIONS

(1199) NO. ——— UNION, Alameda.	
Alterations.	
Owner.....Conrad Roth, 2117 Pacific Ave., Alameda.	
Architect...None.	
Day's work.	COST, \$400

ALTERATIONS

(1200) NO. 1572 LINCOLN AVE., Alameda. Alterations.	
Owner.....H. E. Hoffman, 1522 Lincoln Ave., Alameda.	
Architect...None.	
Contractor..A. C. Clark, 1570 Lincoln Ave., Alameda.	
	COST, \$750

ALTERATIONS

(1202) NO. 1223 PARK AVE., Alameda. Alter dwelling into flats.	
Owner.....F. H. Daniels, Premises.	
Architect...None.	
Day's work.	COST, \$4000

DWELLING

(1203) NO. 3230 FAIRVIEW AVE., Alameda. One-story 5-room dwelling.	
Owner.....F. N. Strang, 805 Pacific Ave., Alameda	
Architect...None.	
Day's work.	COST, \$2000

DWELLING

(1204) NO. 3211 FAIRVIEW AVE., Alameda. One-story 5-room dwelling.	
Owner.....F. N. Strang, 805 Pacific Ave., Alameda.	
Architect...None.	
Day's work.	COST, \$2000

DWELLING

(1205) NO. 2130 SANTA CLARA AVE., Alameda. Two-story 8-room dwlg.	
Owner.....Peter J. Lechner, 2515 San Jose Ave., Alameda.	
Architect...None.	
Day's work.	COST, \$2600

FRAME DWELLING

(1221) LOT 20 Emmons Tract, Alameda. All work for two-story frame dwelling.	
Owner.....G. W. Emmons Co.	
Architect...G. A. Applegarth, Claus Spreckels Bldg., S. F.	
Contractor..Banning & Stewart, 5215 Broadway, Oakland.	
Filed June 25, '15. Dated June 23, '15.	
Payments not given.....	
	TOTAL COST, \$5646

Bond, none. Limit, 60 days after June 28. Forfeit, none. Plans and specifications filed.	
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COMPLETION NOTICES.

ALAMEDA COUNTY

June 19, 1915—PTN LOT 19 Map Dimond Vista, Oakland. Paul E Woodburn to whom it may concern	June 19, 1915
June 19, 1915—PTN LOTS 19 AND 20	

Map Dimond Vista, Okd. Paul E Woodburn to whom it may concern	June 19, 1915
June 21, 1915—LOT 7 BLK "E" Map Kenwood Park, Okd. Lewis & Mitchell, Inc to R B Litton.....	June 18, 1915
June 22, 1915—S EIGHTH 75 E Jefferson, Okd. Edward Olsen to whom it may concern.....	June 21, 1915
June 23, 1915—LOT 6 BLK "A" Map Sunnyslope Tract, Brooklyn Tp. William D Jorres to Anthony & Heyer	June 18, 1915
June 23, 1915—N PARK BLVD 40 E Portland Ave E on Curve to right 43.04 NW 100.38 SW 43 SE 99.80, Okd. A L Jackson to M F Sommarstrom	June 23, 1915
June 23, 1915—S GARNET 107.41 SE Emerald SE 35 SW 100.76 NW 24.87 NE 25 NE 75.04, Okd. Manna K Krygell to Alfred Cords.....	June 22, 1915
June 23, 1915—BAY VIEW PLACE nr Rose Terrace, Bkly. Mrs J S Hawley by James W Plachek to A F Waid.....	June 23, 1915
June 24, 1915—LOT "L" Glen Echo Tract, Piedmont; being No. 946 Rose Ave. G H Stulz to Edwin C Graff.....	June 20, 1915
June 24, 1915—E STATEN AVE 139.98 N Van Buren N 50xE 125, Okd. Ines Fredricks to Banning & Stewart....	June 19, 1915
June 24, 1915—LOT 53 and W 15 Lot 52, Elmhurst Park Tract No. 2, Okd Chas A Fitch to whom it may concern.....	June 22, 1915
June 24, 1915—LOT 17 BLK 1, Grove Street Line Tract, Bkly. George B McFarland by Warren Cheney to J A Pinkerton.....	June 24, 1915
June 23, 1915—W BENVENUE AVE 50 S Stuart S 50xW 100, Bkly. Anna R Patterson to A Osborn.....	June 21, '15

LIENS FILED

ALAMEDA COUNTY.

June 11, 1915—LOT 6 Map Eden Acres, Eden Tp. F J Russell vs George W Schmitz.....	\$164.92
June 11, 1915—LOTS 3, 4 AND 5 BLK 20 Map Hayward Heath Tct Sbdvn No. 1, Eden Tp. F J Russell vs C R and H C Matthews.....	\$64.30
June 16, 1915—E 90 LOTS 16 AND 17 Blk "B" Map Leviston Tract, Bkly. Berkeley Hardware Co, \$137.70; Art Fixture Co, \$170 vs Gustaf and Sandra Johanson	
June 17, 1915—NW ROSE AND JOSEphine 90x80; being ptn Lots 16 and 17 Blk "B" Map Leviston Tract, Bkly. Oakland Concrete, Terrazzo & Mosaic Co, \$124; Marshall & Stearns Co, \$184; A Severy, \$345; The California Door Co, \$622 vs Gustaf Johanson	
June 18, 1915—E 90 LOTS 16 AND 17 Blk "B" Map Leviston Tct, Bkly. Frank Montano, \$488; John O Adler, \$149.25; Swift & Wilcox, \$124.10; Wm Champion & Son, \$143.75; Bruce Lumber & Mill Co, \$471.62; Hunter Lumber Co, \$84.11 vs Gustaf Johanson	
June 18, 1915—S UNIVERSITY AVE 105 E Grove E 35xS 100, Bkly. J H Jones and O Bernhus vs Fred H Field and J S Jennings.....	\$85.50
June 19, 1915—PTN LOT 11 Map Duncan Cameron Tract, San Lorenzo.	

DWELLING

(1208) S VIRGINIA 200 W Shattuck Ave., Berkeley. Two-story 7-room dwelling.

Owner.....H. O. Schulze, 1731 Carlton, Berkeley.	
Architect...None.	
Day's work.	COST, \$2000

DWELLING

(1209) E GLENN AVE 200 N Eunice, Berkeley. One-story 6-room dwlg.

Owner.....B. W. Jelica, 1710 Webster, Berkeley.	
Architect...None.	
Day's work.	COST, \$1800

ALTERATIONS

(1210) E ETNA 50 S Parker, Berkeley. Alterations and additions.	
Owner.....W. E. McChesney, 2605 Etna, Berkeley.	
Architect...None.	
Day's work.	COST, \$400

DWELLING

(1213) SE CLAREMONT & UPLANDS, Berkeley. Two-story 9-room dwlg.	
Owner.....Mrs. J. A. Donahue, Bkly.	
Architect...James W. Plachek, Acheson Bldg., Berkeley.	
Contractor..F. Button, 1069 Mariposa Ave., Berkeley.	
	COST, \$6000

FRAME SORORITY HOUSE

(1214) E LE ROY AVE 150 S Virginia S 50xE 125, Bkly. All work for two-story and attic frame Sorority house.	
Owner...Pi Bldg. Ass'n. of Delta Delta Delta, Berkeley.	
Architect...G. A. Applegarth, Claus Spreckels Bldg., S. F.	
Contractor..Shirley Houghton & R. H. Van Sant Jr., 503 Market, San Francisco.	

Filed June 24, '15. Dated May 29, '15.	
Signing of agreement, promissory note for	\$5000
Frame up	2825
Brown coated	2825
Completed and accepted.....	2825
Usual 35 days.....	2825
	TOTAL COST, \$16,300

Bond, none. Limit, as soon as possible. Forfeit, none. Plans and specifications filed.

NOTE:—Contractor to pay \$220 to Mason, McDuffie for securing loan; also to pay architect.

ALTERATIONS

(1215) S DURANT 200 from College, Berkeley. Alterations.	
Owner.....J. P. McCullough, 2618 Durant, Berkeley.	
Architect...None.	
Contractor..Jacob House.	
	COST, \$800

ALTERATIONS

(1217) SE CENTER & SHATTUCK Ave., Berkeley. Alterations.	
Owner.....Bowman Drug Co, Prem.	
Architect...None.	
Contractor..Frank J. Wilson, 96 Frisbie, Oakland.	
	COST, \$500

CANCELLATION OF BUILDING CONTRACT.

Owner, T. W. Forrest; contractor, Alfred Peterson; architect, Schirmer, Bugbee & Co.; location, Lot 69 and E 25 Lot 70, Crocker Highlands, Oakland. Contract Filed June 15, 1915.

I. E. Foley vs. A. J. Amaral. \$244.25
June 23, 1915. LOT 12 BLK 80 Map
Tract 1st Berkeley. L. T. I. Ass'n.
Bkly. F. W. Pos. Co. vs. Carl Erickson
\$603.15

RELEASE OF LIENS

ALAMEDA COUNTY.

June 23, 1915—N. DURANT AVE
443 66 E Telegraph Ave E 50xN 130,
Bkly. J. J. Sullivan to Sarah S. B.
Reed, E. A. Janssen and J. W. Gaba
\$78.25
June 16, 1915. LOT 52 Map Wood-
lawn Park, Okd. Maurice J. Hyde
to Margaret Truesdell. \$85
June 29, 1915. E TELEGRAPH AVE
29041 N 7th N 70x E 150, Oakland.
George Martel and Milo J. Ander-
son (Martel & Anderson) to Mar-
cel J. Van Hooser, William S.
Van Hooser and C. C. Anderson...
\$106.50

SAN JOSE AND THE SANTA CLARA
VALLEY

SCHOOL. 1-story, frame, manual
machine building. Cost not stated.
Carrofton School District, Monterey
Co., Cal. Architect, H. B. Douglas, Na-
tional Bank Bldg., Watsonville. Own-
ers, Carrofton School District. The
building will contain departments of
manual training and domestic science.
There will be a central heating sys-
tem. Exterior will be covered with
cement. Plans are complete and fig-
ures are being taken. Bids will be
opened on July 2nd.

ROAD GRADING, ETC.—Cost not
stated. Redwood City, San Mateo Co.,
Cal. Engineer, County Surveyor, Red-
wood City, Owners, San Mateo County.
Plans have been completed and figures
are now being taken for grading and
macadamizing 14.825 miles of road in
Road District No. 3. Bids will be
opened on July 12th. Plans and spec-
ifications can be secured from the
County Clerk.

BRIDGES—Reinforced concrete. Cost
not stated. San Jose, Santa Clara Co.,
Cal. Engineer, County Surveyor, San
Jose. Owners, Santa Clara County.
Plans and specifications presented to
the County Supervisors for reinforced
concrete bridges to be constructed on
the Pollard and Quinto roads over
Wooded and San Tomas Aquino Creeks
in the County of Santa Clara have re-
ceived the approval of the Board and
bids have been ordered received until
July 12th at 11 a. m. Plans and spec-
ifications together with full informa-
tion may be obtained from the County
Surveyor at San Jose.

LAYING SEWER PIPE—Cost not
stated. Sunnyvale, Santa Clara Co.,
Cal. Engineer, Town Engineer, Sunny-
vale. Owners, Town of Sunnyvale. At
the regular meeting of the Board of
Trustees of the town of Sunnyvale,
bids were received for the laying of
2,100 feet of 4-inch water pipe on Pas-
teo avenue to the Lally, McNeil &
Lally company. After some discussion
all bids were rejected, and the Clerk
instructed to notify bidders that the
Board will meet to enter into a pri-
vate contract for the laying of the
pipe according to the former specifi-
cations, with the exception that the
end on Pastoia avenue be laid 14
feet from the property line instead of
10 feet.

STREET IMPROVEMENTS—Cost not
stated. Palo Alto, Santa Clara Co.,
Cal. Engineer, City Engineer, Palo
Alto. Owners, City of Palo Alto. Plans
and specifications for street improve-
ments on the southwest side of High
street between Cheanne and Addison
streets have been submitted by the City Council
and a resolution of intention to call
for bids on the work has been passed.
The following showing the grades at
Alton street and Palo Alto avenue was
also passed.

STREET PAVING GRADING, ETC.
Cost not stated. Santa Cruz, Santa
Cruz Co., Cal. Engineer, City Engi-
neer, Santa Cruz. Owners, City of

Santa Cruz. At the last meeting of the
City Council an ordinance for plans
and specifications for resurfacing
macadamized streets was adopted. A
resolution to order work to pave, sew-
er and place detached curbs on Ply-
mouth street was adopted. A resolu-
tion was read to construct concrete
pavement for road bed on Mission
street and also on Cliff road.

STREET PAVING—\$10,369.15. Bur-
lingame, San Mateo Co., Cal. Engi-
neer, City Engineer, Burlingame. Own-
ers, City of Burlingame. The Raisch
Improvement Co. of San Francisco sub-
mitted the lowest bid for street pav-
ing at the last meeting of the City
Council. Their bid for the work
totaled \$10,369.15. They will probably
be awarded the contract.

RESIDENCE — 1½ story and base,
frame, \$3,500. San Jose, Santa Clara
Co., Cal. Architect, none. Owner, T.
C. Emerson, 209 South 14th, San Jose.
The dwelling has been designed for a
six-room house with bath and sleep-
ing porch, and will be erected on 14th
street. Interior will be finished in
pine and hardwood with some white
enamel in the bed rooms. There will
be open fire places and tile or brick
mantels. Bath room will be finished
in tile. An automatic water heater
will be installed. Exterior of the
dwelling will be covered with rustic
and cement plaster on metal lath.
Plans are complete and in the hands
of the owner who will do the work by
Day Labor.

ELECTROLIERS—\$854.90. San Ra-
fael, Marin Co., Cal. Engineer, City
Engineer, San Rafael. Owners, City of
San Rafael. Contractors, Contra Costa
Construction Co., 2323 Shattuck ave-
nue, Berkeley. Contract price, \$854.90.

BRIDGES—Reinforced concrete. Cost
as follows. Burlingame, San Mateo
Co., Cal. Engineer, City Engineer,
Burlingame. Owners, City of Burlin-
game. At the last meeting of the City
Trustees bids were opened for the con-
struction of the Easton bridges and the
paving of Cypress avenue and adja-
cent streets. Eaton & Smith of San
Francisco were the low bidders, the
total of the bid being \$20,722.32, which
figure is about \$5,000 below the En-
gineer's estimate. The other bidders
and their prices for the bridges were
as follows:

Otto Recknagle	\$22,416.00
A. Matson	23,956.54
Construction & Eng. Co., L. A.	22,793.00
F. Rolandi, S. F.	26,300.00
Larson & Son	20,575.00
Combs-Peterson Co., S. F.	21,457.00
Chas. J. Lindgren, S. F.	21,370.32

BUILDING CONTRACTS

SANTA CLARA COUNTY.

COTTAGE

FOURTEENTH, bet. San Antonio and
San Salvadore, San Jose. Six-room
cottage.

Owner.....T. C. Emerson, 209 S-14th
St., San Jose.

Architect...None.

Day's work. COST, \$3500

COTTAGE

SECOND AND TAYLOR, San Jose. Five
room cottage.

Owner.....Paul Malvase, 1st and San
Fernando, San Jose.

Architect...None.

Contractor...Nic Lamari, 2nd & Taylor,
San Jose. COST, \$1800

ALTERATIONS

NO. 195 REED ST. San Jose. Altera-
tions.

Owner.....C. S. Goodenough, Prem.

Architect...None.

Day's work. COST, \$1000

SHOP

JULIAN AND TERRACE STS., San
Jose. One-story shop.

Owner.....A. Lorentz, Premises.

Architect...None.

Day's work. COST, \$1000

ALTERATIONS

S-FIRST ST., near Post, San Jose.

Alterations.

Owner.....Mead's Restaurant, 510
Stevenson, San Francisco.

Architect...None.

Day's work. COST, \$500

REPAIRS

NO. 543 PARK ST., San Jose. Repairs.

Owner.....Anton Franciscaro, 543
Park, San Jose.

Architect...None.

Contractor...A. Rosingano, 328 Josepha,
San Jose.

COST, \$400

COTTAGE

SW JULIAN AND SAN TERESA STS.,
San Jose. Four-room cottage.

Owner.....D. Castisano, Premises.

Architect...None.

Day's work. COST, \$100

ADDITION

NO. 323 N-FIFTH ST., San Jose. Ad-
dition and alteration.

Owner.....E. Kay.

Architect...None.

Contractor...A. R. Short, 1100 Delmas
Ave., San Jose.

COST, \$400

FRAME DWELLING

LOCATION NOT GIVEN. All work for
frame dwelling.

Owner.....A. A. Hapgood, 48 S-16th
St., San Jose.

Architect...W. E. Higgins, Rea Bldg.,
San Jose.

Contractor...W. R. Latta, 432 N-11th
St., San Jose.

Filed June 19, '15. Dated June 19, '15.

Frame up\$538.25

When plastered 538.25

When finished 538.25

Usual 35 days..... 538.25

TOTAL COST, \$2153.00

Bond, \$1076.50. Sureties, W. M. Stalker

and S. D. Williams. Limit, 90 days.

Forfeit, none. Plans and specifications
filed.

FRAME WAREHOUSE

COR. THE ALAMEDA AND NEWHALL
Sts., Santa Clara Co. All work for
frame warehouse.

Owner.....Santa Clara Distillery,
Premises.

Architect...L. M. Hausmann.

Contractor...R. O. Summers, 17 N-First
St., San Jose.

Filed June 10, '15. Dated June 9, '15.

2 weeks after commencement...\$800

1 weeks after commencement... 800

When completed 800

Usual 25 days..... 980

TOTAL COST, \$3380

Bond, \$1690. Surety, Pacific Coast

Casualty Co. Limit, 35 days. Forfeit,
none. Plans and specifications filed.

FRAME DWELLING

PART LOT 217 BLK 20, Cook and
Branhams Sbdvn, San Jose. All work
for one-story frame dwelling.

Owner.....A. Martino.

Architect...None.

Contractor...V. F. Van Dalsam, 171 N-
18th, San Jose.

Filed June 9, '15. Dated June 8, '15.

Frame up\$400

Brown plaster on..... 400

When completed 400

Usual 35 days..... 730

TOTAL COST, \$1930

Bond, none. Limit, 90 days. Forfeit,
none. Plans and specifications filed.

FRAME DWELLING

LOCATION NOT GIVEN. All work except plumbing for one-story frame dwelling.

Owner.....F. P. Brown, 25 Schiele Ave., San Jose.
Architect...A. P. Hill, 94 N-1st St., San Jose.

Contractor...D. A. Main, San Jose.
Filed June 9, '15. Dated June 9, '15.

Frame up and roof on.....\$379.60
Brown plaster on..... 379.60
When completed 379.60
Usual 35 days..... 379.75

TOTAL COST, \$1518.55
Bond, \$759.30. Sureties, Mrs. C. D. Main and W. M. Stalker. Limit, 72 days. Forfeit, none. Plans and specifications filed.

BUILDING CONTRACTS

SAN MATEO COUNTY.

BALUSTRADE WORK

CAROLANDS, Hillsborough. All work for balustrade work of garden of residence in course of construction.

Owner.....Harriett Pullman Carolan, Hillsborough, Cal.
Architect...Willis Polk & Co., Hobart Bldg., San Francisco.

Contractor...Floodberg & McCaffery, Monadnock Bldg., S. F.
Filed June 17, '15. Dated June 11, '15.

As work progresses..... 75%
Usual 35 days..... 25%

TOTAL COST, \$6000
Bond, \$3000. Surety, New England Casualty Co. Limit, Aug. 12. Forfeit, \$10 per day. Specifications only filed.

COMPLETION NOTICES

SAN MATEO COUNTY.

RECORDED ACCEPTED
June 18, 1915—HILLSBORO. (Owner's present residence). Wm H Crocker to American Marble & Mosaic Co.

.....June 17, 1915

June 22, 1915—LOT 47 BLK 10 Crocker Estate Tract, Daly City. Einar J Berg and Carl Wickbourn to whom it may concern....June 1, 1915

June 23, 1915—NW BALDWIN AND Griffiths Ave., San Mateo. Knights of Columbus Hall Ass'n to W J Dowling & Son.....June 15, 1915

LIENS FILED.

SAN MATEO COUNTY.

RECORDED AMOUNT
June 19, 1915—PTN LOT 10 BLK 26. Easton Addition to Redwood City. Gray-Thorning Lumber Co vs E Bernzott and Stiene Kuck....\$194.30

MARIN, CONTRA COSTA AND SONOMA COUNTIES

RESIDENCE—2 story and base, frame, \$4,000. San Rafael, Marin Co., Cal. Architects, Salfeld & Kohlberg, Clunie Bldg., S. F. Owner, Dr. C. D. Salfeld. The dwelling has been designed for a seven-room house with bath and sleeping porch. Interior will be finished in pine and hardwood with some white enamel. Hardwood floors will be used in the living room, dining room and reception hall. There will be furnace heat and open fire places. Mantels will be of tile or brick. Bath room will be finished in tile. An automatic water heater will be installed. Exterior of the house will be covered with rustic and shingles. Plans are complete and figures are being taken.

RESIDENCE—1½ story frame, \$4,000. Ross Valley, Marin Co., Cal. Ar-

chitects, W. G. Mitchell and Charles E. Hodges, Bankers' Investment Bldg., S. F. Owner, George A. Moore. The dwelling has been designed for a ten-room house and will be erected in Ross Valley. There will be a sleeping porch, several baths and a garage. Interior will be finished in pine with some hardwood panels. Hardwood floors will be used in the living room, dining room, library and reception hall. Plans provide for furnace heat and open fire places. Mantels will be of tile or brick. Tile wainscot will be used in the bath room. A hot water circulating system is specified. Exterior of the building will be covered with rustic and cement plaster on metal lath. Plans are complete and figures are now being taken.

RESIDENCE—2 story and base, frame, \$15,000. Dixon, Solano Co., Cal. Architect, Henry C. Smith, Humboldt Bank Bldg., S. F. Owner, Mr. Mayes. The dwelling has been designed for a large country home and will contain twelve to fourteen rooms, three baths and sleeping porch. Besides the dwelling the property will be improved with a large private garage and tank house. Interior of the dwelling will be finished in pine and hardwood with white enamel in the bed rooms. Hardwood floors will be used in the principal rooms. There will be a central heating system either hot air or hot water, with a oil burning plant. A hot water circulating system is also specified. Bath rooms will be finished in tile. Exterior of the house and out buildings will be covered with cement plaster on metal lath. A clay tile roof will be used. Plans are complete and figures are now being taken.

CULVERT—Corrugated iron. Cost not stated. Martinez, Contra Costa Co., Cal. Engineer, City Engineer, Martinez. Owners, City of Martinez. The City Trustees have ordered Street Superintendent Howard to proceed at once in the construction of a big corrugated iron culvert 40 feet in length across Escobar street at the Pine street corner. This storm sewer, it is believed, will care for the flood waters which rush down Pine street in the winter, and will prevent the usual overflow at that point.

SEWER CONSTRUCTION—Cost not stated. Petaluma, Sonoma Co., Cal. Engineer, City Engineer, Petaluma. Owners, City of Petaluma. A resolution was passed that a six-inch iron stone pipe sewer be constructed from the manhole to the center of B street opposite Laurel avenue along the center line of said avenue to the center of B street. A resolution was also passed that Sheldon street, from the southeast line of Bassett to the northwest line of lot 177, between the property lines to be graded to the subgrade for the width, and between the curb lines be macadamized with crushed rock, curbed with basalt and guttered with concrete.

STREET PAVING—Cost not stated. Richmond, Contra Costa Co., Cal. Engineer, City Engineer, Richmond. Owners, City of Richmond. Plans for the paving of Potrero avenue from end to end are now under way and the work will be ordered shortly. Plans are also under way for the paving of the streets in the vicinity of the Peres and Grant schools, and bids will be called for at an early date.

STREET PAVING—Cost not stated. Rio Vista, Solano Co., Cal. Engineer, Town Engineer, Rio Vista. Owners, Town of Rio Vista. Plans have been completed and have received official approval for paving Second street and California street their full length. Bids will be opened on July 8th. Plans and specifications can be secured from the Town Engineer.

CONCRETE CURBS, GUTTERS, SEWERS AND GRADING—Cost not stated. Santa Rosa, Sonoma Co., Cal. Engineer, City Engineer, Santa Rosa. Owners, City of Santa Rosa. At the last meeting of the City Council, Street Commissioner Beebe was directed to advertise for bids for laying concrete curbs and gutters on both sides of Washington and A streets between Fourth and Fifth streets. The Street Commissioner was also directed to lay sewer and water mains on Brown street between Mill and Bennett avenues prior to the macadamizing of those two blocks.

COMPLETION NOTICES

MARIN COUNTY.

RECORDED ACCEPTED
June 23, 1915—WARDEN TRACT, San Rafael. Clifford H Towle to whom it may concern.....June 23, 1915

LIENS FILED

MARIN COUNTY.

RECORDED AMOUNT
June 19, 1915—BALTIMORE PARK. Marin County. Jacob Pasternak vs Geo Eckert and Laura D Eckert \$2500
June 23, 1915—SAUSALITO, Marin Co. Duncan Mills Land & Lumber macher \$22.50
Co, cph vs Mrs. Alvina Kisten-

RELEASE OF LIENS

MARIN COUNTY

RECORDED AMOUNT
June 21, 1915—BAYSIDE TRACT, San Rafael. H H Fuller to Roger Bocqueraz \$146
June 21, 1915—SAN RAFAEL. E E Bogle to Roger Bocqueraz et al. \$65
June 21, 1915—BAYSIDE ACRES, San Rafael. R Kinsella to Roger Bocqueraz \$32.09
June 21, 1915—BAYSIDE ACRES, San Rafael. E K Wood Lumber Co to Roger Bocqueraz and S Saari. \$1241.69
June 21, 1915—BAYSIDE ACRES, San Rafael. J Mazzotti to Roger Bocqueraz and S Saari.....\$240

COMPLETION NOTICES

CONTRA COSTA COUNTY.

RECORDED ACCEPTED
June 16, 1915—LOTS 24 AND 25 BLK "B" Map of the City of Pullman. Raoul Richard to Geo C Nell..... June 5, 1915

FRESNO, MODESTO STANISLAUS AND CENTRAL CALIFORNIA

BRIDGES—3, reinforced concrete. Cost not stated. Modesto, Stanislaus Co., Cal. Engineer, County Surveyor, Modesto. Owners, Stanislaus County. Plans have been completed and are now out for figures for three reinforced concrete bridges to be erected as follows: One over Wild Cat Creek, one over El Salado Creek and one over Ingram Creek. Bids will be opened on July 13th. Plans and specifications can be secured from the office of the County Clerk.

STREET LIGHTING, ETC.—Cost not stated. Riverbank, Stanislaus Co., Cal. Engineer, City Engineer, Riverbank. Owners, City of Riverbank. Bids will be opened on July 13th for the excavation work on all streets and for the construction of all columns or posts for Riverbank lighting system. Plans and specifications are on file with the City Clerk and also with the County Surveyor at Modesto.

SCHOOL—1 story, brick. Cost not stated. Tulare, Tulare Co., Cal. Architect's name not given. Owners, Tulare School District. Plans have been completed and are now in the hands of the Secretary of the Board of Education for a two-room building, covering an area of 70 by 30 feet. Interior will be finished in pine; Exterior will be faced with pressed brick. Bids are now being taken.

BRIDGE—Reinforced concrete. Cost not stated. Santa Rosa, Sonoma Co., Cal. Engineer, County Surveyor, Santa

ROSSA. Owners, Sonoma County. Bids will be opened on July 14th for the construction of a reinforced concrete bridge over Elmore Creek in the Penn Grove Road District. Plans and specifications can be secured by addressing the County Clerk at Santa Rosa.

SCHOOLS—2, 1 story and base, frame. Cost not stated. Porterville, Tulare Co., Cal. Architect, B. E. Renzel, Porterville. Owners, Porterville School District. These two buildings will each contain four class rooms. Interiors will be finished in pine. Central heating systems will be installed. Plans provide for modern school plumbing. Exteriors will be faced with cement plaster on metal lath. Plans are now being prepared.

STORES—1 story and base, brick, \$25,000. Fresno, Fresno Co., Cal. Architect, R. F. Felchin, Rowell Bldg., Fresno. Owner, Mrs. H. C. Tupper. The building will be erected at the corner of K and Kern streets, and will cover an area of 75 by 150 feet. Foundations and walls will be heavy enough to carry additional stories. There will be a number of modern stores finished in pine and with hardwood floors in the display windows. Plans provide for steam heat and oil burning furnace. Patent store fronts will be used. Entrance lobbies will have mosaic floors and marble bases. Exterior of the building will be faced with pressed brick. Plans are now being prepared.

Contracts Awarded

HIGHWAY CONSTRUCTION—\$99,299.60. Visalia, Kings Co., Cal. Engineer, State Highway Commission, Forum Bldg., Sacramento. Owners, State of California. Contractors, George S. Benson & Son, L. A. Contract price, \$99,299.60.

POST OFFICE REPAIRS AND ALTERATIONS—\$3,990. Fresno, Fresno Co., Cal. Architect, Supervising Architect Oscar Wenderoth, Washington, D. C. Owners, United States Government. Contractor, Howard Dickey, 150 Howard street, Fresno. Contract price, \$3,990.

BUILDING CONTRACTS

FRESNO COUNTY.

DWELLING AND GARAGE

LOTS 4, 5, 6 BLK 9, Alhambra Tract, Fresno. All work for two-story frame dwelling and garage.

Owner.....J. D. Stephens, 1094 Carmel St., Fresno.

Architect...None.

Contractor...C. B. Hanner.

Filed June 21, '15. Dated June 19, '15.

Rafters on	1/4
Plastered	1/4
Completed	1/4
Usual 35 days.....	1/4

TOTAL COST, \$4250

Bond, \$2125. Sureties, A. M. Loper and J. C. Ferger. Limit, 61 days from June 19. Forfeit, \$5. Plans and specifications filed.

REPAIRS

LOTS 30, 31, 32 BLK 52, Fresno. All work for repairs.

Owner.....F. J. Stone, 2007 Mariposa St., Fresno.

Architect...None.

Day's work. **COST, \$1000**

BRICK STORE AND ARMORY

LOTS 20 TO 23 BLK 73, Fresno. Two-story brick store and armory.

Owner.....F. P. Black, 1025 K St., Fresno.

Architect...R. F. Felchin, Rowell Bldg., Fresno.

Day's work. **COST, \$22,532**

LIENS FILED

FRESNO COUNTY.

RECORDED

AMOUNT

June 17, 1915—N 1/2 OF SE 1/4 of SE 1/4 SE 1/4 of SE 1/4 of Sec 28 16-21, Fresno. Z T Gilbert vs Marie A Campbell.....	\$44
June 17, 1915—25x98.5 (opp Blk 108 S P Reservation, Sanger. Hume-Bennett Lumber Co vs Peoples Ice	
June 21, 1915—LOTS 11 TO 14 BLK 64, Fresno. General Electric Co vs T S White.....	\$226
June 23, 1915—EIGHTH & FOWLER, 50x127 1/2, Fowler. Fowler Lumber Co vs Peoples Ice Co and Southern Pacific Railroad Co.....	\$266
June 23, 1915—LOTS 5 AND 6 California Ave Heights, Fresno. Mechanics Planing Mill vs C A Harris, A W Gearhart, H D Matherly and H O Nielsen.....	\$46

SACRAMENTO, STOCKTON AND NORTHERN CALIFORNIA

RESIDENCE—1 story and base, brick, \$2,500. Sacramento, Cal. Architect, none. Owner, N. L. Bishop, 2616 D street, Sacramento. The dwelling has been designed for a six-room house with bath and sleeping porch. Interior will be finished in pine with some elm panels. Hardwood floors will be used in the living room, dining room and reception hall. There will be a large open fire place in the living room. Mantel will be of tile or brick. Imitation tile wainscot will be used in the bath room. An automatic water heater is specified. Exterior of the dwelling will be covered with rustic and cement plaster on metal lath. Plans are complete and in the hands of the owner who will do the work by Day Labor.

BRIDGE—Reinforced concrete. Cost not stated. Ukiah, Mendocino Co., Cal. Engineer, County Surveyor, Ukiah. Owners, Mendocino County. Plans have been completed and have received the approval of the Board of Supervisors for the construction of a reinforced concrete bridge to be erected over Robertson Creek in the Second Road District. Bids are now being taken and will be opened on July 7th. Plans and specifications can be secured from the County Clerk at Ukiah.

STREET IMPROVEMENT—Cost not stated. Sacramento, Cal. Engineer, City Engineer, Sacramento. Owners, City of Sacramento. Bids opened by the City Commission for the improvement of U street from 8th to 19th show the McGilvray Construction Co., 1007 7th street, Sacramento, low. The company bid 13.4 cents per square foot for asphalt, 70 cents for filling and 70 cents for excavating.

SEWER CONSTRUCTION—Unit No. 2, \$190,090. Sacramento, Cal. Engineer, City Engineer, Sacramento. Owners, City of Sacramento. Eleven bids were received by the City Commission for the construction of unit No. 2 of the new trunk line sewer, and it is thought that the Clinton Fireproofing Co. of San Francisco is the lowest bidder. The sewer will cost in the neighborhood of \$190,090 according to estimates compiled by City Engineer Miller. It will run from the Freeport road via Third avenue to the Lower Stockton road. Further information will be given of this work when an award of contract is made.

SEWER CONSTRUCTION—\$92,192. Sacramento, Cal. Engineer, City Engineer, Sacramento. Owners, City of Sacramento. The City Commission has tentatively accepted the bid of the Clinton Fireproofing Co. of San Francisco for unit No. 2 of the trunk line sewer south of Y street to connect Curtis Oaks with the new sump. The bid was \$92,192, or \$17,800 lower than the Engineer's estimate of \$110,000. As soon as the money from the sale of the bonds is in the treasury the contract will be awarded.

RESIDENCE—2 story and base, frame, \$4,000. Stockton, San Joaquin Co., Cal. Architect, F. Hollberg Reimers, 2125 Shattuck avenue, Berkeley. Owner, Dr. Goodman. The dwelling will be erected in Tuxedo Park, and has been designed for a seven-room house with two baths and sleeping porch. Interior will be finished in pine, hardwood and white enamel. Hardwood floors will be used in the principal rooms. There will be furnace heat, open fire places and tile or brick mantels. Bath rooms will be finished in tile. An automatic water heater will be installed. Exterior of the dwelling will be covered with cement plaster on metal lath. Plans are now being prepared.

SCHOOL—1 story and base, frame. Cost not stated. Montezuma School District, San Joaquin Co., Cal. Architect, Ralph P. Morrell, Odd Fellows Bldg., Stockton. Owners, Montezuma School District. The building will contain four rooms and will be finished in pine with maple floors. A central heating system will be installed. Exterior will be covered with cement plaster on metal lath. Plans are complete and out for figures. Bids will be opened on July 8th. Plans and specifications can be secured from the architect.

SEWERS, ETC.—Cost not stated. Stockton, San Joaquin Co., Cal. Engineer, City Engineer, Stockton. Owners, City of Stockton. At a recent meeting of the City Council a resolution was adopted ordering the construction of vitrified clay pipe sewers, 6 inches in diameter, in the following streets: Sonoma, Mendocino, Mariposa, Monterey, North California, North El Dorado, North Hunter and North San Joaquin. Bids on the above work will be called for at an early date.

STORES AND CLUB—2 story and base. Class B construction, \$25,000. Stockton, San Joaquin Co., Cal. Architect, Franklin E. Warner, San Joaquin Bldg., Stockton. Owner, Mr. Jordan, of Dodge-Sweeny Co., Oakland. The building will be erected at the northeast corner of Webber and California streets, and will cover a considerable ground area. The first floor will be arranged for a number of retail stores. Upper floor will contain club rooms. There will be a large roof garden. Interior will be finished in pine and hardwood. Hardwood floors will be used in the second story. Plans provide for steam heat and vacuum cleaning. Metal window sash and frames will be used. Patent store fronts are specified. Exterior of the building will be faced with pressed brick. Plans are now being prepared.

UNDERTAKING PARLORS—2 story and base, reinforced concrete. Cost not stated. Willits, Mendocino Co., Cal. Architect's name not given. Owner, Harry Mohn, Willits. The building will cover an area of 25 by 100 feet. Interior will be finished in pine and white enamel. There will be modern plumbing, heating and special vaults. Art glass is specified. Exterior will be faced with cement plaster. Plans are complete and in the hands of the owner who will let all contracts. Foundation work is now underway.

Contracts Awarded

RESIDENCE—2 story and base, frame, \$3,500. Reed Mountain, Humboldt Co., Cal. Architect, Frank T. Georgeson, Eureka. Owner, E. G. Kramer. Contractor, Murray Pine, Eureka. Contract price, \$3,500.

LODGE HALL—3 story and base, reinforced concrete, \$20,832. Auburn, Placer Co., Cal. Architect, Allen D. Fellows, Auburn. Owners, East Auburn Masonic Hall Association. Contractors, Herald Bros., Auburn. Contract price, \$20,832.

SCHOOL—2 story and base, brick, \$69,534. Woodland, Yolo Co., Cal. Architect, W. H. Weeks, 75 Post street, S. F. Owners, City of Woodland. Contractor, Robert Frost, 26th and Howard streets, S. F. Contract price, \$69,534.

RELEASE OF LIENS

SACRAMENTO COUNTY.

RECORDED

AMOUNT

June 21, 1915—LOTS 1, 2, 3 BLK 7 Galt. H Hays to V S Quiggle.....	
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BUILDING CONTRACTS**SACRAMENTO COUNTY.****RESIDENCE**

NO. 2412 U ST., E ½ of N ½ and E 20 feet S ½ Lot 2 Blk U, V, 24th and 25th, Sacramento. One-story 6-room residence.

Owner.....N. L. Bishop, 2616 D St., Sacramento.

Architect...None.

Day's work. COST, \$2500

ALTERATIONS

NO. 223 K ST. E 20 of S ½ Lot 6 Blk J, K, 2nd and 3rd, Sacramento. Plate glass front and alterations to store.

Owner.....J. Zemansky, 231 K St., Sacramento.

Architect...R. A. Herold, Forum Bldg., Sacramento.

Contractor..G. W. Kopp, 1514 14th St., Sacramento.

COST, \$1000

BRICK STORE

NO. 427 L ST., Lot 5 Blk K, L, 4th and 5th, Sacramento. One-story brick store.

Owner.....Ching Wing et al, 210 I St., Sacramento.

Architect...None.

Contractor..Chas. Vanina, 2022 M St., Sacramento.

COST, \$1375

ALTERATIONS

NO. 223 J ST., on E ½ Lot 6 Blk I, J, 2nd and 3rd Sts., Sacramento. Remodel three-story brick building into stores and 103 rooms.

Owner.....Chas. Colquhoun, Mills Station, Cal.

Architect...A. S. Foale, Ochsner Bldg., Sacramento.

Day's work. COST, \$15,000

FRAME BUILDING, ETC.

LOT 69 of West Curtis Oaks, bounded by 21st, 22nd and 23rd Sts., Sacramento. Two-story frame building and garage.

Owner.....Geo. L. Baxter, 2418 ½ K St., Sacramento.

Architect...None.

Contractor..W. J. Montgomery, 2211 H St., Sacramento.

Filed June 17, '15. Dated June 8, '15. COST, \$2268

FINISH ATTIC

NO. 3015 O ST., on E ½ Lot 7 Blk N, O, 30th & 31st Sts., Sacramento. Finish attic in residence.

Owner.....M. J. Neilsen, Premises.

Architect...None.

Contractor..A. Tellstrom, 326 Sacramento Ave., Sacramento.

COST, \$700

FRAME COTTAGE

LOT 35 Glen Orchard, Sacramento. Frame cottage.

Owner.....Mrs. D. J. Woods.

Architect...None.

Contractor..A. Klingman, 709 Mont Clair, Sacramento.

COST, \$1500

FRAME RESIDENCE

NO. 1702 L and 1207 SEVENTEENTH ST., Sacramento. All work for two-story frame double residence (6 rooms and bath in each.)

Owner.....Pauline U. Meister, 323 16th St., Sacramento.

Architect...None.

Contractor..James A. McCullough, 1631 M St., Sacramento.

COST, \$7200

BUILDING CONTRACTS**SAN JOAQUIN COUNTY.****MANUAL TRAINING BUILDING**

NW WEBER AVE AND PILGRIM ST., Stockton. All work for construction of manual training building and remodeling of old school building.

Owner.....Board of Education of Stockton.

Architect...Stone & Wright, San Joaquin Valley Bank Bldg., Stockton.

Contractor..French & Zinck.

Filed June 16, '15. Dated June 12, '15. On 1st of each month..... 75%

Usual 35 days..... 25%

TOTAL COST, \$9376

Bond, \$4688. Surety, The Pacific Coast Casualty Co. Limit, 60 days. Forfeit, \$5 per day. Plans and specifications filed.

FRAME BUNGALOW, ETC.

FARMINGTON, San Joaquin Co. (on ranch.) All work for one-story frame bungalow, frame barn, 50x60; frame tank house, 24 feet high (4000 gallons).

Owner.....L. B. Leonadini, Farmington, San Joaquin Co.

Architect...Ralph P. Morrell, 12-15 I. O. O. F. Bldg., Stockton.

Contractor..Sleeth & Nelson, 1004 S-Grant St., Stockton.

Filed June 23, '15. Dated —.

Frame of house ready for rustic and shingles and all rough on ground\$ 500
Completed and accepted..... 3000

TOTAL COST, \$3500

Bond, none. Limit, 60 days. Forfeit, none. Plans and specifications filed.

LOS ANGELES AND SOUTHERN CALIFORNIA

BRIDGE—Reinforced concrete and steel. Cost not stated. Santa Barbara, Santa Barbara Co., Cal. Engineer, City Engineer, Santa Barbara. Owners, City of Santa Barbara. Plans have been completed and approved for the construction of the Mission Creek bridge to be erected at Mission street in the city of Santa Barbara. Bids are now being taken and will be opened by the City Council on July 1st. Plans and specifications are on file with the City Engineer.

GROUP OF SEVEN FRAME AND CONCRETE BUILDINGS — Cost not stated. San Diego, Cal. Architect, Bureau of Yards and Docks, Washington, D. C. Plans are now out for figures for the construction of seven frame and concrete buildings to be erected at the United States Navy Radio Station at San Diego. The work includes the following: One power house, one operating building and one storehouse of stuccoed brick and steel frames; one pump house, one quarters for commanding officer, one double quarters for chief operator and one operator's quarters of stuccoed wood, frame construction. Bids will be opened on July 24th. Plans and specifications can be secured from the Bureau of Yards and Docks at Washington, D. C., or from the commandant at the Navy Radio Station at San Diego.

RAILROAD STATION—1 story, brick and frame, \$20,000. Corona, Riverside Co., Cal. Architect's name not given. Owners, Pacific Electric Co. The Pacific Electric Co. of Corona has purchased the site at the southeast cor-

ner of Third and Main streets and will erect a new depot building on the site. The company plans a building of frame and brick construction, which will contain two waiting rooms, freight department and office. Construction will be started within six months. Further mention will be made of the work.

RESIDENCE—2 story and base, frame, \$15,000. Pasadena, Los Angeles Co., Cal. Architect, Albert C. Martin, Higgins Bldg., L. A. Owner, J. M. Trumble. The dwelling has been designed for a ten-room house with three baths and sleeping porches. Interior will be finished in white cedar, mahogany and white enamel. Hardwood floors will be used in the principal rooms. There will be furnace heat and open fire places. Mantels will be of tile and brick. Tile floors and wainscot will be used in the bath rooms. Plans also provide for a hot water circulating system. A garage will be erected on the rear of the property. Exterior of both the house and garage will be covered with rustic and shingles. Plans are being prepared.

SCHOOL—1 story and base, brick, \$20,000. Los Angeles, Cal. Architects, Dennis & Hewitt, Fay Bldg., L. A. Owners, Los Angeles School District. The building has been designed for an eight class room building with a large assembly hall and office. Interior will be finished in pine with maple floors in the class rooms. Plans provide for a central heating system, oil burning furnace and program clocks. Exterior will be faced with pressed brick. Plans are complete and on file with the Secretary of the Board of Education, Security Bldg., L. A. Bids will be opened on July 8th.

SCHOOL—2 story and base, brick, \$40,000. Los Angeles, Cal. Architects, Elmore R. Jeffery and F. Schaefer, Citizens' National Bank Bldg., L. A. Owners, Annandale School District. The building will contain eight class rooms, an auditorium, office and library. Interior will be finished in pine with maple floors in the class rooms. Stairways will be of reinforced concrete. Plans provide for steam heat, oil burning furnace, program clocks and vacuum cleaning. Exterior will be faced with ruffled brick. Plans are complete and figures are being taken. Bids will be opened on July 8th.

UNIVERSITY EXPERIMENTAL STATION—1, 2 story and 2, 1 story, brick or hollow tile, \$125,000. Riverside, Riverside Co., Cal. Architect, Lester H. Hibbard, Marsh-Strong Bldg., L. A. Owners, Regents of the University of California. Preliminary plans for this group of buildings have been completed and approved by the Regents. The architect is now at work on the detail drawings. The buildings will occupy the center of a 417-acre tract devoted to tropical agriculture. Further mention will be made of the work when bids are called.

SCHOOL—1 story and base, brick or hollow tile. Cost not stated. Piru, Ventura Co., Cal. Architect, C. H. Russell, W. P. Story Bldg., L. A. Owners, Camulos Grammar School District. The building will contain eight class rooms and an assembly hall. Interior will be finished in pine with maple floors in the class rooms. There will be a central heating system. Modern school plumbing and program clocks are specified. Exterior will be faced with pressed brick or cement plaster. Plans are complete and out for figures. Separate bids are being taken for the general construction and heating system. Bids will be opened on July 2nd.

LOFTS—2 and 3 story and base. Class C construction. Cost not stated. Los Angeles, Cal. Architect, F. A. Brown, Los Angeles Investment Bldg., L. A. Owner, Frank Tandy. The building will be erected at 822 Wall street, and will have a frontage of 40 feet and a depth of 125 feet. Interior will be finished in pine. There will be a freight elevator, steam heat and metal window sash and frames. Exterior of the building will be faced with pressed brick. Plans are complete and the work will be done by Day Labor.

Contracts Awarded

BRIDGE—Reinforced concrete, \$6,760. Santa Barbara, Santa Barbara Co., Cal. Engineer, County Surveyor, Santa Barbara. Owners, Santa Bar-

haha County. Contractors, Boardman Construction Co., Story Bldg., L. A. Contract price, \$6,760.

SCHOOL—2 story and base, brick, \$31,273. Los Angeles, Cal. Architects, Krucker & Deckbar, Ferguson Bldg., L. A. Owners, City of Los Angeles. Contractor, Alex. Grant, 2101 West 37th street, L. A. Contract price, \$31,273.

SCHOOL GROUP—1 and 2 story and base, hollow tile, \$35,890. Hyde Park, Los Angeles Co., Cal. Architect, George A. Howard, Jr., Grant Bldg., L. A. Owners, Hyde Park School District. Contractors, H. M. Boward & Sons, Rollins Apartments, L. A., general construction, \$35,890. E. H. Hanson, painting, \$1,315. G. H. Morton, Hyde Park, plumbing.

PORTLAND AND OREGON

CITY HALL AND JAIL—2 story and base, brick, \$20,000. Tillamook, Ore. Architect, Charles H. Burgraff, Albany, Ore. Owners, City of Tillamook. The building has been designed in the classic style and will contain offices for the mayor, clerk and treasurer, besides a large council room and jail. Interior finish will be of pine and hardwood. There will be steam heat and special jail equipment. A fire-proof vault will also be installed in the office of the treasurer. Exterior of the building will be faced with pressed brick. Plans are complete and figures are now being taken.

ROAD GRADING, PAVING, ETC.—Cost not stated. Tillamook, Ore. Engineer, City Engineer, Tillamook. Owner, City of Tillamook. All bids sub-

E. H. Williams

Chalmer Munday

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mitted for the improvement of several roads with grading, paving, etc., have been rejected and new bids will be received until 10 a. m. July 2nd. J. C. Holden is the County Clerk and from whom further information may be had. The contract is to include the clearing, grading and grubbing the 30-foot road-way, leveling and rolling and with laying a surfacing of standard specifications of the following types: Sheet asphalt on concrete base, asphaltic concrete on concrete base, light bituminous concrete on concrete base, one course grouted concrete and wood block on concrete base.

DETENTION HOME—2 story and base, brick, \$25,000. Portland, Ore. Architects, Doyle & Patterson, Worcester Bldg., Portland. Owners, City of Portland. Plans are being prepared for a building to accommodate juvenile detention cases. There will be accommodations for about 30 inmates, a juvenile court and offices. Interior will be finished in pine and hardwood. Plans provide for a steam heating system and hot water supply. Bath rooms will be finished in tile. Exterior design is in the colonial style, and will be faced with pressed brick. Only preliminary plans have been prepared. Further mention will be made of the work.

ASSEMBLY HALL ADDITION — 1 story, brick. Cost not stated. Salem, Ore. Architect, Office of Indian Affairs, Washington, D. C. Owners, United States Government. Plans have been completed and forwarded to this coast for the construction of a one-story addition to the assembly hall at the Salem Indian School. Interior will be

finished in pine. Plans include steam heat. Exterior of the building will be faced with stock brick. Bids are now being taken and will be opened on July 21st. Plans and specifications can be secured from either the office of Indian Affairs at Washington, D. C., or the superintendent of the school at Salem.

HOSPITAL—2 story and base, hollow tile and brick, \$20,000. Portland, Ore. Architects, Tourtellotte & Hummel, Rothchild Bldg., Portland. Owners, Emanuel Lutheran Hospital Association. The building will be erected at the corner of Staton and Commercial streets, covering an area of 42 by 100 feet. There will be both wards and private rooms. Interior finish will be of pine, white enamel and hardwood. Hardwood floors will be used. Plans provide for steam heat, vacuum cleaning and a hot water system. Bath rooms will be finished in tile. Besides the wards and rooms there will be a special operating room and office. Exterior of the building will be faced with cement plaster. Plans are complete and figures are being taken.

RAILROAD EXTENSION—Cost not stated. Portland, Ore. Engineer, Engineering Department O-W. R. & N. Co., Portland. Owners, Oregon-Washington Railroad and Navigation Co. According to advices received from President J. D. Farrell of the O-W. R. & N. Co., contractors have been asked to submit tenders for the construction of 30 miles of proposed railroad west of Riverton. A party of railroad officials is now inspecting the territory to be covered by the new extension.

Contracts Awarded

HYDRO-ELECTRIC EQUIPMENT, PENSTOCKS, ETC.—Cost not stated. Portland, Ore. Engineer's name not given. Owners, Utah Light and Power Co. Contractors, W. A. Kraner & Co., Chamber of Commerce Bldg., Portland. Contract price not stated.

WAREHOUSE—3 story and base, reinforced concrete, \$50,000. Portland, Ore. Architects, MacNaughton & Raymond, Title and Trust Bldg., Portland. Owners, Marshall-Wells Co. Contractor, Thomas Muir, Abington Bldg., Portland. Contract price, \$50,000.

RAILROAD TERMINAL—Brick steel and concrete, \$400,000. The Dalles, Ore. Engineer, Engineering Department O-W. R. & N. Co., Portland. Owners, Oregon-Washington Railroad and Navigation Co. Contractors, Twoby Bros., 219 East 60th street, Portland. Contract price, \$400,000.

SCHOOL—1 story and base, brick, \$14,200. Sheridan, Ore. Architect's name not given. Owners, City of Sheridan. Contractor, R. D. Crowe, Builders' Exchange, Portland. Contract price, \$14,200.

SEATTLE AND WASHINGTON

RESIDENCES—1 and 2 story and base, frame, \$75,000. Davenport, Wash. Architect, A. Palmer, Spokane, Wash. Owner, David Wilson, Davenport. Mr. Palmer has working drawings well advanced for a large number of one and two story residences which will be erected by Mr. Wilson on property in Davenport this summer. The owner plans to spend in the neighborhood of \$75,000 on these improvements. Complete information can be secured by addressing the architect.

Contracts Awarded.

SCHOOL—2 story and base, hollow tile, \$18,766. Ilwaco, Wash. Architects, Tourtellotte & Hummel, Rothchild Bldg., Portland. Owners, Town of Ilwaco. Contractor, C. F. Kratz, 864 Colonial avenue, Portland. Contract price, \$18,766.

MEXICO'S SUPERB CATHEDRAL.

The Cathedral of Mexico was begun in 1573; but so marshy was the land that after 50 years of work, the wall was only 200 feet above ground, although the Spaniards had used the stones of the Aztec temple as their foundation. Two hundred years were necessary to complete the sacristy and chapel, for the cathedral is over 400

feet long; with height of 179 feet, not counting the tower, which measures 240 feet. Its magnificence of altar furnishings, with lamp before the sanctuary reputed to have cost \$30,000, glittering with jewels; its dark cream walls and 14 chapels, suggest that Croesus rather than Cortez was the master builder. The architecture, in the main, is Gothic, with a lavish use of Doric and Corinthian pilasters. Here are buried the remains of Iturbide—the first emperor of Mexico, and also the head of the good padre, Hidalgo, who, in his own far away province first rung his church bell to summon the people to overthrow Spanish rule in Mexico. Not always did this skull rest in the bosom of the church, for when Hidalgo was killed battling for liberty, the Spaniards hung his head on iron hooks, still to be seen, on the prison walls at Guanajuata.

HOW TO BUILD IN SUBURBS.

MATERIAL SHOULD BE SELECTED TO HARMONIZE WITH LANDSCAPE.

Combination of Brick and Shingles, Preferably With Tile Roof, Fits Into Almost Any Situation in Coloring—Material and Paint Schemes.

From the Building Age.

A pretty suburban home that will fit into almost any landscape in coloring is a combination of brick and shingles with a shingle or tile roof, tile being preferable owing to its fire resisting qualities. A pretty variation in a house of this kind is a use of tapestry brick over doors and windows.

Weathered shingles for the second story are in some cases an attractive combination. Stained shingles of a dull green make a neat upper story combination with the brick and tile roof and they can be carried into the construction of the porch with excellent effect.

Another attractive combination is the first story of concrete or stucco with an upper story of shingles. An attractive combination is a dark red stucco lower story with green or weathered shingles above. The roof of this type of house should be tile and should be of a sloping and rambling construction so as to bring into play all the color in the roof material to offset the upper story of the house.

Field Stone is Attractive.

Nothing is quite so attractive and suitable for a house situated on a rocky elevation or in a rolling country, with rocks and trees as the background, as a house with a lower story of field stone, with an upper story of either shingles or stucco, with a tile roof to brighten the color scheme.

Such a house seems to spring naturally out of its surroundings and lends itself well to the landscape. Field stone has a variety in color that makes it a charming foundation for a house so situated; add to this an upper story of stucco in a warm tone, perhaps decorated with trim that relieves plainness.

A type of house that is suitable for almost any suburban locality is the frame house, with the exterior walls of clapboards or shingles. In building a frame house, however, it is necessary to have a design that is fitted for the site.

With either clapboards or shingles, an exposed foundation of brick or stone is correct. Solid concrete as well as the stucco finish on a wooden frame also lend themselves to certain styles of architectural work.

Roof Demands Much Attention.

A frame house should preferably be roofed with tile in harmony with the design of the house. A great deal of attention is given nowadays to the architecture of roofs. First of all a roof must fulfill its function of protecting the interior of the house, but it should also bear some relation to the surrounding landscape in color. An abundance of whites, grays, soft greens and browns of various shades will always harmonize with Nature. Red needs an abundance of green as a background, and only the duller shades should be used.

In the case of brick, concrete, cement and stone dwellings the color scheme is in a sense automatic, being determined largely by the color of the materials selected. The frame house admits of greater variety of exterior color than any other material. In the shingle house the shingles are stained or oiled. The clapboard house is painted.

A general rule to follow in treating the exterior is that the color or tone selected for the walls should cover all the walls and harmonize with the roof so that the house will become a color unit in the landscape.

Getting Harmony in Colors.

A house which is set closely among trees should not be painted green or olive. Colors contrasting with the surroundings are better for the body of the house, but it may have green trimmings and roof if desired.

A house with shingled upper stories, as a rule, should be painted on the lower story a lighter shade than the shingles, which may be Indian red, dark brown, dark green or some olive shade. The body should harmonize, as, for instance, light or dark olive with Indian red, cream with browns, the grays with dark green or dull red. Pure white with green trimmings is one of the prettiest color scheme for a suburban house set against a green background.

A good color scheme for the Colonial type of house is a warm buff with white trim.

FAVORABLE CONDITIONS IN NEW ZEALAND.

[Consul General Alfred A. Winslow, Auckland, May 12.]

Financial, agricultural, and industrial conditions in New Zealand are prospering and the outlook is splendid. The exports for the year ended March 31, 1915, were \$131,395,500, a gain of \$19,466,000 over the same time in 1913-14. The Dominion treasury shows a handsome surplus, notwithstanding the war, and public improvements and Government railroad construction are progressing as in normal times. The latest bank statements show a splendid condition, with larger balances than ever, and interest rates are low.

Agricultural interests are prosperous, and farmers are able to dispose of their grain and stock at a better price than even before. About the only disturbing features are an increased cost of living and a shortage of labor, because of the large number of men who

have gone to the front amounting to about 2,000 out of a total population of about 1,000,000.

The outlook is promising and in face of the above facts the purchasing power of the country will warrant close attention of the American manufacturer and importer. The natural resources of this country are extensive and the people are making the most of it. Many American goods are now consumed here, but now is the time to push for the sale of more, when the people are prepared to buy and the former sources of supply are so largely cut off.

Total Exports and Imports for 1914.

The total imports into New Zealand for the year ending December 31, 1914, amounted to \$106,362,686, a decrease of \$2,103,335 of the imports for 1913. The exports for the same time amounted to \$111,617,114, showing a surplus of \$21,254,428 against a surplus of \$5,629,233 for the year 1913. The exports for 1914 showed a gain of \$15,816,125 over 1913, being the largest gain for any year during the last decade save for 1909 and 1910. The outlook for 1915 is good.

Visitors Enjoy Trip To Steel Plant.

Over Three Hundred and Fifty Make Trip to Pacific Coast Steel Co's Plant at South San Francisco.

Of the many industrial excursions given by the various manufacturers with plants located around San Francisco Bay, that of the Pacific Coast Steel Co.'s last Saturday broke all records for attendance. Over three hundred and fifty guests visited the steel plant at South San Francisco and included representatives of the United States Reclamation Service, the State Department of Engineering, State Harbor Commission, Constructing Quartermaster's office at Fort Mason, City and County officials, many jobbers, purchasing agents, technical experts, engineers and contractors. It was certainly a fine compliment to the progressive men who administer the business of the Pacific Coast Steel Co.

A special train of six cars was provided by the company and left the Third and Townsend street depot at 1 o'clock. The trip to the plant at South San Francisco requires but a few minutes and the party arrived just at the lunch hour. Refreshments were served which included special Pacific Coast Steel Co.'s pretzles, made at the plant from the best of their Open Hearth steel and tied into knots exactly like the famous German pretzle and almost as indigestible. The luncheon was topped off with excellent cigars.

After the lunch, the guests were conducted through the big plant by General Superintendent N. A. Becker and other officials of the company. A ten-ton magnet in operation on the scrap pile, and which plays with car wheels and other heavy pieces as though they were so many straws, attracted the first attention. Then came the big furnaces with their tons and tons of burning steel, and the sweating attendants. After the furnaces came still another part of the plant when thirty tons of molten steel were drawn from

the furnaces and poured into ingots. This was probably the most interesting and picturesque feature of the entire trip, and might be likened to a visit to the infernal regions. Motion picture men, working two cameras, followed the crowd and filmed all departments of the plant.

In the rolling mill were hundreds of other men at work converting the original ingot into ½-inch square reinforcing bars. This operation requires the ingot, a ten-inch square of steel about five feet long, to pass through twenty-three rolls before it is delivered to the cutting platform in a continuous bar ½-inch square and about 200 feet long. Here the cutting, bundling and labeling are done and the finished product is stacked ready for shipment.

The officers of the Pacific Coast Steel Co. are: President E. M. Wilson; Vice President, D. P. Doak; Assistant Secretary Ernest L. Houdlett; District Sales Manager, John B. Leonard, and General Superintendent, N. A. Becker. The company has had its plant at South San Francisco in operation less than three years, but at the present time employs from 412 to 680 men. The plant has been turning out on an average 150 tons of finished products per day and has a considerably larger capacity. The products consist chiefly of squares from ¾ to 2-inches, rounds from ¾ to 3 inches, corrugated bars from ½ to 2 inch, angles 1x1 to 6 by 4 inches, flats from ¾ to 6 inches, small channels and curb bars.

General Superintendent Becker is to be complimented on the efficiency that is manifest in all departments of the big plant, and which even the sudden influx of 350 visitors could not upset.

May presents a very favorable showing in the building industry throughout the country, as compared with other business. Reports from more than 75 cities, made to the American Contractor, Chicago, shows an aggregate loss of about 2 per cent as compared with the same month last year. Particulars are to be found in the following table:

City	May, 1915.	May, 1914.
Akron	\$ 348,110	\$ 399,650
Albany	406,580	569,565
Atlanta	337,934	732,299
Baltimore	612,557	1,032,200
Berkeley	331,650	151,000
Birmingham ...	192,735	288,998
Buffalo	1,222,000	1,124,000
Cedar Rapids....	181,000	321,000
Chattanooga ...	45,038	82,400
Chicago	7,902,900	6,919,150
Cincinnati	1,102,425	1,181,715
Cleveland	5,151,909	2,201,820
Columbus	911,785	841,000
Dallas	278,335	540,100
Dayton	313,652	435,671
Denver	434,270	218,030
Detroit	2,296,990	3,038,925
Duluth	294,148	340,365
East Orange....	82,853	163,722
Evansville	143,592	168,186
Fort Wayne ...	157,875	353,375
Grand Rapids ..	379,996	304,759
Harrisburg	326,025	129,175
Hartford	691,600	430,159
Indianapolis ...	493,930	1,547,787
Kansas City....	886,215	1,177,915
Lincoln	288,186	88,932
Little Rock....	74,992	117,235
Los Angeles....	1,168,983	1,478,703
Louisville	295,150	459,830

Memphis	238,190	304,695
Milwaukee	1,148,700	1,743,607
Minneapolis	1,755,200	3,160,685
Nashville	129,525	203,402
Newark	981,745	809,288
New Haven.....	318,710	307,200
New Orleans....	297,681	204,587
New York City..	25,001,353	16,637,423
Manhattan	14,378,327	8,656,959
Bronx	4,730,333	1,519,258
Brooklyn	3,645,429	3,852,523
Queens	2,059,464	2,283,736
Richmond	187,800	324,947
Oakland	350,095	366,728
Oklahoma	41,935	28,162
Omaha	889,385	1,146,853
Paterson	123,882	173,471
Pasadena	115,372	206,417
Peoria	231,280	272,015
Philadelphia ...	2,868,840	6,264,040
Pittsburgh	937,449	1,592,209
Portland	432,065	643,880
Richmond	396,300	370,034
Rochester	1,001,455	1,343,781
Sacramento	99,514	508,585
Salt Lake City..	279,791	300,914
San Diego.....	80,737	312,626
San Francisco...	1,212,413	2,564,959
San Jose.....	53,434	78,072
St. Joseph.....	155,840	88,467
St. Louis.....	937,676	1,496,603
St. Paul.....	1,309,656	1,502,094
Stockton	149,185	556,537
Schenectady	114,825	262,117
Scranton	141,933	104,161
Seattle	353,820	809,405
Shreveport	61,677	106,800
Sioux City.....	312,950	196,583
Spokane	130,471	103,542
Springfield, Ill..	86,323	108,375
Syracuse	257,261	318,005
Tacoma	49,998	187,391
Toledo	553,155	792,159
Topeka	42,935	33,291
Troy	35,002	36,185
Utica, N. Y.....	158,705	184,795
Washington	992,607	1,054,404
Wilkes-Barre ...	149,644	53,978
Worcester	356,860	645,251

Total\$71,618,758 \$75,021,442

The West is still the great field of mining. While the ores that are used in the industrial arts are of such vast importance that they dwarf into insignificance, the precious metals the great mountains of the West still furnish the ores that go into the industrial arts. This with the exception of steel. For while iron is as plentifully distributed in the Rocky mountains and in the Sierras as anywhere else, the smelting processes have not yet been perfected that will permit the use of the fuel that is found on the Pacific slope.

The importance of the ores that are dug from the earth can be easily seen by a walk through the Mines Building at the Exposition. At once one is struck by the enormous part that steel plays in modern construction. From the violin string to the cable of the suspension bridge, from the watch pinion to the propeller shaft, from the rivet to the enormous ocean liner, steel is the element of construction that has supplanted every other material. And next to steel in extensiveness of use is oil. And in both these the United States ranks easily first, producing more than half the steel and oil of the world.

When some process is discovered whereby steel can be smelted with oil as a fuel, or by the electric furnace in competition with the coke of the East-

ern coal fields, then the West will become a vast field of industry that will outstrip the world. Steel is today the great structural material of the world. It will no doubt increase in the uses to which it is put just in proportion as wood and lumber becomes more scarce. The time is not far distant when the vast deposits of iron that are to be found in the Sierras will be utilized and the West will become a great manufacturing center.

SUMMARY OF TENTATIVE MINE SAFETY RULES FOR CALIFORNIA.

These rules provide for annual reports from mine operators to the Mine Safety Department of the Industrial Accident Commission; for the designation of agents on whom notices in connection with the rules may be served for the keeping on hand of a supply of first-aid-to-the-injured material, and training of a first aid corps at mines employing more than 50 men. Artificial breathing apparatus, for work in irrespirable gases, are required in mines employing more than 30 men. Mine maps must be brought up to date yearly; fatal accidents and dangerous conditions must be immediately reported. The use of intoxicating liquor is prohibited in mines. There is a series of miscellaneous rules for underground men. These rules represent the best practices commonly found at up-to-date mines. Boilers must be inspected, moving machinery guarded, abandoned shafts fenced, and working shafts provided with gates. Some precaution as to sanitary conditions must be taken; good drinking water furnished and change houses kept available for the men. Two mine exits must be provided and outlets must not be covered by inflammable houses. Rules for ventilation and fire inspection are given; also rules governing the use of lights and candles, of gasolene, oil, etc., underground. Certain requirements are made for the elimination of rock dust and regulations provided for the control of explosives. Rules are formulated governing hoisting operations. Telephones are required in mines, and a complete set of rules covering electrical installations are included. There is a provision that mine employees shall be made acquainted with the rules applying to them and shall agree to abide by such rules.

VALUE OF CONSULAR TRADE CONFERENCES.

[Consul General Edwin S. Cunningham, Hankow, China, April 8.]
While in San Francisco, en route to Hankow, I spent all of one day in the branch office of the Bureau of Foreign and Domestic Commerce and met the representatives of numerous local firms interested in the Chinese market. Before leaving Washington I advised the Bureau that I would be in San Francisco on February 25 and that, though I had not been in Hankow, I would be glad to meet any exporters who would be interested in this port, and at the same time I would be open to furnish information concerning Singapore, which was my last port.

Upon my arrival in San Francisco I called at the Bureau's branch office, and Commercial Agent G. H. Brown, who was in charge, informed me that a large number of people had expressed an interest in my visit. He arranged interviews, giving to each about 15 minutes. Mr. Brown kindly furnished me with a list of those whom I was to meet, together with the subjects concerning which I was expected to give information. This precaution seems to be an absolutely essential one, as it enables a consular officer to refresh his memory on any point that may have been overlooked. Mr. Brown undertook to notify the various firms.

Information Sought on Many Subjects.

The information desired was very extensive and covered a long list of subjects, among which were mining machinery, water wheels, canned fruits, groceries, canned salmon, lumber, lubricating oils, and general import and export articles. The question of banking facilities, or rather the lack of such facilities, was prominent with some of the firms. It seems that the subject of banking facilities has taken a deep hold upon many firms in the West, and from other sources I have learned that the Mississippi Valley exporters are also giving it serious consideration.

What the results of these conferences will be is difficult to say. I feel confident that some of the information given concerning the Straits Settlements will be useful and will most likely result in business. One company was particularly interested in some water rights that were being arranged for from the Federated Malay States just prior to the outbreak of the European War; another expressed appreciation of the information given it concerning the possibilities of exporting fresh fruits to the Malay Archipelago and concerning the Asiatic market for the purchase of rice; and other firms were interested in the potentialities of the Singapore market for the sale of canned salmon.

Interviews Helped Consular Officer.

The conversation concerning the Hankow consular district was more to ascertain which firms were interested in the market, the difficulties encountered, and whether the various houses wished to sell American goods or to purchase Chinese products. I do not know how much benefit may be eventually realized concerning this district, but I personally feel much better prepared to meet the commercial questions that arise here by having had the pleasure of meeting those exporters and importers who were chiefly interested in this market. I now feel that I know more concerning their requests and their ability to supply the Chinese demands than I would have learned by correspondence.

METAL WORK FOR ALASKA LIGHT STATION.

Fifty thousand pounds of metal work, principally cast iron, comprising the watch room and lantern for the proposed light station at Cape St. Elias, Alaska, were shipped from Kenton, Ohio, on June 3, to the lighthouse inspector, San Francisco, Cal., via New York and Panama Canal. The lantern

and watch room will be erected as a part of the exhibit of the United States Lighthouse Service at the Panama-Pacific International Exposition. At the conclusion of the exposition, this material will be shipped to Alaska for erection at the lighthouse next season.

Patent Scaffolding Co. Wins Important Case.

Judge Sanborn Hands Down Decision Protecting Important Devices in Suspended Platform Cases.

The Patent Scaffolding Co., controlling some of the most modern and important patents granted by the United States patent office on adjustable and suspended platform devices, has just secured an important decision in their favor in the court of Judge Sanborn.

This is the most important patent decision ever issued as the decision is very broad and lengthy, having been written by Judge Sanborn who is considered one of the foremost authorities on patent law not only throughout the middle west but also throughout the country. The Patent Scaffolding Company has heretofore brought some suits against infringers, but this one is the first where the patent has been finally adjudicated and would indicate that the series of patents owned by this company are very strong and binding upon the trade. This company has operated for a number of years in New York City and has been remarkably successful in the prevention of scaffolding accidents. Perhaps its most notable achievement has been the furnishing of the scaffolding equipment upon the Woolworth building, the highest building in the world, and the Equitable building, the largest building in the world, without any accident whatsoever. This record has been recognized by the awarding of the Scientific American Gold Medal by the American Museum of Safety to the Patent Scaffolding Co., which also has received the Grand Prize at the First International Exposition of Safety and Sanitation held at the Grand Central Palace, New York City, and a medal at the Dresden Exposition in the summer of 1911. The company has a very prominent exhibition of its devices at the Panama-Pacific International Exposition and will be a strong contender for the gold medal from the jury of award. Practically all the recent buildings in this city have been scaffolded by this company, which is also true of the United States and Canada, as this company operates its machines through its agents in these countries.

DRY-DOCK SHIP FOR PACIFIC LUMBER TRADE.

Plans are now being made for a ship that is to be built like a floating dry dock, and is to be used for carrying loaded lumber barges from Portland, Ore., to San Francisco. This novel vessel is to have a length of 640 feet, a beam of 80 feet, and a hold depth of 41 feet, and will be capable of carrying 10 barges loaded with 500,000 feet of lumber each, or 5,000,000 feet in all.

When the vessel is to be loaded or unloaded it is lowered by the admission of water in the same way as a floating dry dock. The bow gates are opened, and the barge is simply floated in or out of the hold. The ship is then raised to the required level for going to sea, and the barges seated on the bottom of the ship, by pumping out the water. The plan is to have three sets of barges, 10 at each end of the route and 10 on the way, so that barges may be loaded for the next trip while the ship is at sea.

VALUABLE MINERAL FOUND.

Teacher in Bakersfield High School Makes Important Discoveries.

BAKERSFIELD, CAL. Professor W. M. Mills of Bakersfield high school has learned positively that he had discovered two new and valuable minerals in Kern county ore. Rhodium and ruthenium. Reports from experts in San Francisco, Los Angeles and San Jose confirm the discovery, which greatly increases the value of Kern county's mineral deposits.

In all Mills has discovered five precious metals in this district, the others being palladium, irconium and platinum.

WORK ON ALASKAN RAILROAD HAS STARTED.

WASHINGTON—Actual construction of the government's Alaskan railroad has begun.

Lieutenant Mears of the Alaskan Engineering Commission has reported to Secretary Lane that he had established his base of operations at Ship Creek, Cook's Inlet, and was landing materials and supplies. Building of wagon roads, one of the first requisites of the railroad construction, is under way and the force on that work will be increased to 2,000 soon.

The engineers on their first job unloaded a million feet of lumber from a steamer in three days. The Alaskan line when completed will be 471 miles long, extending from Seward to Fairbanks.

THE PLASTICITY OF CLAYS.

The Bureau of Standards of the Department of Commerce has just issued a publication of interest to the clay industries, entitled "A Study of the Atterberg Plasticity Method." It is well known that for some clays there is a very narrow range of water content in which they have a plasticity suitable for working, while other clays have a satisfactory plasticity for quite a wide range of water content. The Atterberg method of measuring the plasticity of clays, used to a considerable extent abroad for the rating of clays, and several other methods of estimating the plasticity, have been applied to about 20 different clays, and the results obtained by the bureau are carefully compared and discussed. A revised adaptation of the Atterberg method is suggested, in which the plasticity number is co-ordinated with the amount of water required to develop the best working properties of the clay. This scheme grouped the clays satisfactorily into those varieties which are sticky and would give trouble in working in a stiff clay machine and those which are non-sticky and admit of ready working. Copies of this publication, which is for free distribution, may be obtained by interested parties upon application to the Bureau of Standards, Department of Commerce, Washington, D. C.

CALL FOR BIDS ON NEW SURVEYING VESSEL.

Plans and specifications of a new surveying vessel for the United States Coast and Geodetic Survey will be sent out to prospective bidders on July 1, 1915. This new vessel will be named the *Surveyor*, and will be used in surveying and charting the coasts and waters of Alaska.

The *Surveyor* will be a two-deck single-screw steel steamer, with a triple-expansion engine and two Scotch boilers using crude oil as fuel. She will have a flush deck with high bulwarks forward and aft and a wooden deck house extending three-quarters of her length amidship. She will be protected by a double bottom, which will extend the full length of the engine and boiler space and join water-tight compartments forward and aft. Her bow will be of the pilot-boat type and her stern will have considerable overhang to facilitate sounding operations. Her smokestack and two-pole masts will be raked aft in harmony with the character of her bow and stern, and her general appearance will be that of a staunch ocean-going surveying vessel.

Requests for plans and specifications, or further information relating to the *Surveyor*, should be addressed to United States Coast and Geodetic Survey, Washington, D. C.

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Sundberg, A.
Spargo, John
Thomas & Sands
Westerlund, J. V.
Zimmerman, L. M.
Concrete Machy.
Bacon & Co., E. R.
Road Machy. Co.
Lansing Co.
Livermore Co., Norman B.

Contractors' Equipment.

Bacon & Co., E. R.
Blaisdell Mchy. Co.
Compressed Air & Gen. Mchy. Co.
Lansing Co.
Mapes, Sanford N.
Orenstein - Arthur Koppel Co.

Cornice Works.

Amsler Sheet Metal Works
Appman Cornice Works.
Atlas Heating & Ventilating Co.
Capitol Sheet Metal Works
Conlin & Roberts
Crown Cornice Works
Cronan, Wm.

Elite Sheet Metal Works

Guilfooy Cor. Wks.
Comyns & Nygren
Forderer Cornice Works
G. & M. Sheet Metal Works.
Hibernia Sheet Metal Works
Hughes, H. J.
Ideal Cornice Co.
Korell & Co., J. A.
Modern Sheet Metal Works
Moncreiff Sheet Metal Works
Morrison & Co.
U. S. Metal Products Co.
Western Furnace & Cornice Co.
S. F. Metal Stamp & Corr. Co.

Crude Oil Burners

Bill & Jacobsen
Fess System Co.
Johnson Co., S. T.

Crushed Rock.

Bay Devel. Co.
Cal. Building Material Co.
Cassarretto, John
City Supply Co.
McMullin, A. L.
Simon-Fout Brick Co.
Star Contracting Company.
Standard Crushed Rock Co.
Stone Co., E. B. & A. L.
Western Development Syndicate

Damp Proofing.

Brickley, P. J.
Coyle, Jos. A.
Fox, John L.
Keene Co., E. E. G.
Reagle & Jamelson
Taylor, L. A.
Whittier - Coburn Company.

Door Opener and Closer.

Rischmuller, Geo.

Electric Fixtures.

City Electric Co.
Gas & Elec. App. Co.
Pac. Gas & Elec. Company.

Electric Wiring & Equipment.

American Elec. Eng. Co.
Central Elec. Co.
Decker Electrical Construction Co.
Farnsworth Electrical Works.
General Electric Constr. Co.
Globe Electric Works
Hicks & Folte
Kirsten, W. H.
Lauder, H. I.
Manhattan Electric Co.
National Electric Co.

Newberry - Bendheim Elec. Co.
Peters, Gus. J.
Rex Electric Construction Co.
Ridley, A. E. B.
Rochdale Elec. Co.
Schmidschek, M.
Turner Co., The
Vitt Elec. Co.
Weidenthal - Gosliner Elec. Co.
Weid Electric Co.

Elevator Builders.

Otis Elevator Co.
S. F. Elevator Co.
Van Emon Elevator Co.

Estimator.
Dillon, E.

Morser, E. J.
Peterson, P. O.
Friedle, Arthur
Walker, J. M.
Church

Floors, Composition.

Artolith Mfg. Co.
Bender R. & P. Co.
J. W.
Dwan Co., J. E.
Fibrestone &
Roofing Co.
Flaherty R. & P.
Co., R. H.
Malott & Peterson

Floors, Hardwood

Hardwood Int. Co.
Inlaid Floor Co.
Pac. Floor Sand-
ing Co.

Galvanized Iron.

Baker & Hamil-
ton
Berger Mfg. Co.
Gas Fixture.
Day Co., Thomas

Gas Heating Sys- tems.

Reactor System
Gas Heating Co

Gasoline Tanks & Pumps.

Brown, F. R.
Blaisdell Mch. Co.

Glass & Glazing.

Cal. Plate & Win-
dow Glass Co.
Friedman Bros.
Fuller Co., W. P.
Grosslicht & Din-
niene

Habeneicht & Howlett

Mission Plate & Window Glass Co.

Pioneer Plate & Window Glass Co.

Schwartz & Gott- lieb

Grading.

Brantick, J. P.
Carlin Bros.
Casaretto, John
Devincenzi & Co.,
L.

Dillon Teaming Co.

Federal Transfer Co.

Glorgi Co., G.

Hartnett J. D.

Harbor View Contract Co.

Hule Co., E. M.

Lennon Co., J. E.

Leffler, Fred

McGlinchey & Monahan

Montague Co., P.

O'Day Co., Dan'l

O'Donnell, Philip

Powers, Chas. J.

Shibley Grading & Teaming Co.

Star Con. Co.

Wright Co., J. H.

Granite Curbing.

Graham Granite Co.

Lead Granite Co., W.

Pacific Granite Co.

Fronoff, John

Gravel.

Ray Develop. Co.
Cal. Building Ma-
terial Co.

Casaretto, John

City Supply Co.

Standard Crushed Rock Co.

Star Contracting Company

Stone Co., E. B. & A. L.

Hardwood Deal- ers.

Inlaid Floor Co.

Hardwood Inte- rior Co.

Union Floor Co.

Wood Lumber Co.,
E. K.

Hd'ware, Dealers.

Baker & Hamil-
ton

Bennett Bros.

Kruse, J. H.

Joost Bros.

Meyer, Adolph

Norman & Sons, F. G.

Palace Hd'ware Co

S. F. Hd'ware Co

Smith Co., P. A.

Heating & Ventila- ting.

Atlas Heating & Ventilating Co.

Kiernan & O'Brien

Hurley Co., J. C.

Lawson, Herman

Looney Co., J.

Mangrum & Otter

Snook & Co., Fred W.

Torrid Zone Fur- nace Co.

Turner Co., The

Wilson, Robt. M.

House Movers & Raisers.

Hatch, H. L.

Pearson, N. H.

Sullivan, D. J. & T.

Hoisting Engi- neer.

Le Clair, S. D.

Inlaid Floors.

Hardwood Interi- or Co.

Inlaid Floor Co.

Pac. Floor Sand- ing Co.

Interlocking Tile Blocks.

California Deni- son Block Co.

Iron Foundry.

Steiger & Kerr, Stove & Found- ry Co.

Iron & Steel.

Baker & Hamil- ton

Dawson & Noyes

Judson Mfg. Co.

Pacific Coast Steel Company.

Trussed Concrete Steel Company.

Woods & Huddart

Iron Works.

Brode Iron Wks.

Dyer Bros.

Eureka Wire & Iron Wks.

Golden Gate Iron Works

Hillard Co., C. J.

Kell Iron Works

Michel & Pfeffer

Monarch Iron Works

Pacific Iron Wks.

Pacific Structural Iron Works.

Ralston Iron Works

S. F. Iron Works

Sartorius Co.

Schraeder's Iron Works

Stelger & Kerr

Stove & Found- ry Co.

Vulcan Iron Wks.

West Coast Wire & Iron Works

Western Iron Works

Joint Hangers & Post Caps.

Falls Mfg. Co.

Pac. Bldg. Mate- rials Co.

Roman Co., C.

Waterhouse & Price Co.

Western Bldgs. Supply Co.

Lathers, Wood & Metal

Balzke, Robt.

Edwards, C. H.

Hayden, Fred

Kaiser, Jos.

McAbee, E. T.

Raymond, Wm. H.

Snell, Ralph L.

Lighting Fixtures
Day Co., Thomas
Mohillite Co.

Lime & Plaster Dealers.

Arden Plaster Co.

Cal. Lime & Hy- drate Co.

Cowell Lime & Cement Co.

Guerin & Co., J. S.

Lennon Co., J. E.

Pacific Portland Cement Co.

Western Lime & Cement Co.

Lumber Dealers.

Acme Lumber Co.

Christenson Lum- ber Co.

Columbia Lumber Co.

Doe Co., Frank P.

Excelsior Red- wood Co.

Hardy Lumber Co.

Hart-Wood Lum- ber Co.

Hauptman Lum- ber Co.

Kruse Co., J. H.

Hooper Lumber Co

Higgins Lumber Co., J. E.

Loop Lumber Co.

MacDonald Lum- ber Co.

Moore Mill and Lumber Co.

Oakley, —

Olson - Mahony

Lumber Co.

Peterson, E. T.

Pope & Talbot

Reinhart Mill & Lumber Co.

Ryan, George

Santa Clara Val- ley Mill & Lum- ber Co.

Santa Fe Lumber Co.

S. F. Lumber Co.

Schouten & Co., J. W.

Sunset Lumber Co.

Tierman & Beronie

Van Arsdale-Har- ris Lumber Co.

Wilson Bros. & Co.

Wood Lumber Co., E. K.

Wright, Jr., Wm.

Magnesian Floor- ing.

Artolith Mfg. Co.

Bender R. & P. Co.

Dwan & Co., J. E.

Fibrestone & Roofing Co.

Flaherty R. & P. Co

R. H.

Goodman, A. K.

Malott & Peter- son

Watsonite Co.

Mantels, Tiles & Grates

General Building Work Co.

Ginsberg Bros.

Mangrum & Otter

Peerless Agencies Co.

Marble and Mosaic Work.

General Building Work Co.

Gnecco, M. H.

Grassl & Co., P.

Mission Concrete & Mosaic Wks.

Mission Marble Works.

Musto Sons-Kea- nan Co.

New Era Marble & Concrete Co.

Teltz, Francis E.

Tomagnini & Co., G.

Vermont Marble Co.

Metal Lath.

Atlantic Fire- proofing Co.

Berger Mfg. Co.

Holloway Metal Lath Company.

Waterhouse &
Price
Western Builders'
Supply Co.

Metal Stamping

S. F. Metal Stamp- ing & Corr. Co.

U. S. Metal Prod- ucts Co.

Notary Public.

Duncan, A. M.

Oils and Greases.

Standard Oil Co.

Union Oil Co.

Ornamental Plas- tering.

Benkman, Ed. G.

Blinner, Theodore

Larson, O. F.

Lipp & Co., J. P.

Painters and Dec- orators.

Baker Co., W. T.

Bell, Wm. J.

Bernstein, Wm.

Blum, Louis

Brown, J. L.

Burns Bros.

Clark & Dickson

Cramer Bros.

Conlin, J. J.

Copnick, T. W.

Dahl, T. H.

Donovan, V. J.

Hansen, Elbing A.

Johnson, C.

Kiesel, Isidor

Miller, L.

Miller, J. A.

McCubbin, James

Manning, John

Neal, L. J.

Progressive Painting Co.

Quandt & Son

Ruderman, I.

Simon Neilson Co.

Smith, J. S.

Sovig, C. B.

Trost, J. R.

Walk, Mayer

Wagner, Fred

Wagner Bros.

Zelinsky, R.

Paints, Oils Varn- ishes, Etc.

Clark & Dickson

Cohn & Co., Mar- ion D.

Fuller Co., W. P.

O'Brien, J. S.

Paint Products Corporation

Paraffine Paint Co

Pratt & Lambert

Whittier - Coburn Co.

Patent Chimneys.

Structural Steel Contractors.

Brode Iron Wks.
Dyer Bros.
Golden Gate Iron Works
San Francisco Iron Works
Ralston Iron Wks.
Vulcan Iron Wks.

Surveyors.

Morser, E. J.
Quimby, L. S.
Wetherell, Chas E

Teaming & Grading.

Branick, J. P.
Blanchini, G.

Federal Transfer & Draying Co.

Carlin Bros.
Devencenzi & Co., L.
Dillon Teaming Co.

Federal Transfer & Draying Co.

Harbor View Contract Co.
Hule Co., E. M.
Lennon Co., J. E.
Leffler, Fred
McGlinchey & Monohan
Montague Co., P.
O'Day Co., D.
Powers, Chas. J.

Sibley Teaming & Grading Co.

Star Contracting Co.
Wright Co., J. H.

Tilling.

Cal. Tile Contr.Co.
Ginsberg & Co., S.
Mangrum & Otter
Peerless Agency Co.

Vacuum Cleaners.

Bill & Jacobson
Hughson & Mer-ton Co.
Schaer Bros.
Stevens Co., Frank A.

Hyde Henry C. United Elec. Co.

Wall Beds.
Marshall - Stearns Co.

Water Company.

Spring Valley Water Works.
Whitewashing
Brickley, P. J.
Reigle & Jamison
Taylor, L. A.

Waterproofing

Coyle, Jos. A.
Window Cleaning.
American Window Cleaning Co.

Windows. Patent.

Simplex Window Co.

Central Electric Co.

City Electric Co.
De Lew, M. A.
Decker Electric Co
Globe Elec. Co.
Levy Elec. Co.

Elevators.

Otis Elevator Co.
Van Emon Elevator Co.

Fibre.

S. F. Fibre & Cordage Co.
Fireproof Doors.
Norris, L. A.

U. S. Metal Products Co.

Floor Sanding
Hardwood Interior Co.
Inland Floor Co.
Pacific Floor Sanding Co.

Grill Work.

Cal. Art Metal & Wire Works.
Merle Co., A.
Sartorius Co.
Withington, C. W.

Gen. Contractors.

Andrus, R. C.
Brigham, H. B.
Brockhage, Foley & Green
Caldwell & Co.

Cereghino & Son, Louis

Currie & Currie
Dempiak Bros.
Farquharson, D. B.
Fluth, J.

Frasier & Frasier

Graham, D. E.
Griffith, Wm.
Hannah, J. D.
Hannah & Co. J.S.
Hayes, W. W.

Jackson, A.

Kuykendall, J. O.
Malley, Edward
Matthies, Henry
Mulcahy, James
Peacock, John

Schnebley, Host-trower & Ped-griff**Glass and Glazing**

Cal. Plate & Window Glass Co.
Cohen, I.
Cobbledick-Kibby Glass Co.

Friedman Bros.

Fuller & Goepf
Fuller, W. P. & Co.
Habenicht & Howlett

Holland, J. P.

Schwarz & Gottlieb (Inc.)
Grading & Teaming.
Dillon, D.

Eureka Teaming Co.

Fay, S. J.
McClure, H. N.
Wilhelm, A. H.
Wilkie Co., A.

Williams, F. A.

Wright, Chas.
Monarch Teaming Co.
Sibley, L. B.

McLeneagan, S. H.

Granite.
Bradbury, Thos.
Cal. Granite Co.
De Lano & Sons, I. L.

Hunt, A. T.

Raymond Granite Co.
Hardware.
Baker & Hamilton
Joost Bros.

Kruse, J. H.

Lorenz, Schffaefer & Co.
Meyer, A.
Palace Hdq Co.
Heat and Light.
Pacific Gas and Electric Co.

Heating & Ventilating.

Burnham Plumbing & Heating, Inc.

Cronan, Wm.

Mangrum & Otter
Montague, W. W. & Co.

House Moving & Raising.

Blume Cont'g Co.
Pearson, E. K.
Sullivan, D. J. & T

Inland Floors.

Hardwood Interior Co.
Inland Floor Co.
Pacific Floor Sanding Co.

Iron Works.

Lorenz, Schffaefer & Co.
Michaelis & Pfeiffer
Monarch Iron Works.
Pacific Rolling Mill Co.

Pacific Struc. Iron Works.

Joint Hangers & Post Caps.
Kortick - Falls Mfg Co.
Lilley & Thurston Co.

Lorenz Schaffer & Co.

Western Builders' Supply Co.
Kawneer System Store Fronts.
Falls Mfg. Co.

Lilley & Thurston Co.

Light and Power
City Electric Co.
Pac. Gas & Electric Co.

Lime, Cement, Etc

Acme Cement Plaster Co.
Arden Plaster Co.
Cowell Lime & Cement Co.

Holland, J. P.

Holmes Lime & Cement Co.
Lennon, Jas. F.
Nephli Plaster Co.
Pacific Bldg. Material Co.

Pac Lime & Plaster Co.

S. F. Lime Co.
Shasta Lime Products Co.
Western Building Material Co.

Western Lime & Cement Co.**Lumber.**

Acme Lumber Co.
Christenson Lumber Co.
Hardy, Jas. H., Inc.

Hart-Wood Lumber Co.

Humboldt Lumber Co.
Hauptman Lumber Co.
Hooper Lumber Co.

Kruse, J. H.

Loop Lumber Co.
Macdonald Lumber Co.
Moore, R. B. Mill & Lumber Co.

National Mill & Lumber Co.

Olsen Mahoney Lumber Co.
Pope & Talbot.
Santa Fe Lumber Co.

Schouten Lumber Co.

Tiernan & Bernilio
Van Arsdale-Harris Lumber Co.
Wilson Bros. & Co.

Doe Co., F. P.

Lumber (Hardwood.)
Dieckmann & Co.
Howard, E. A. & Co.

Niehaus, Ed. F. & Co.

White Bros.
S. F. Lumber Co.
Machinery.
Harron, Rickard & McCone.

OFFICIAL LIST OF MEMBERS**BUILDERS' EXCHANGE**

OF SAN FRANCISCO

180-188 JESSIE STREET

PHONE KEARNY 4700

OFFICERS AND DIRECTORS.

President, H. Maundrell.
Vice-President, E. J. Brandon.
Treasurer, C. W. Withington.
Secretary, R. J. H. Forbes.

Financial Secretary, S. A. D. Schenck.
Asst. Secretary, W. J. Carberry.
Doorkeeper, E. R. Wolcott.

DIRECTORS

H. Maundrell
E. J. Brandon
C. W. Withington
R. J. H. Forbes

H. Jacks.
E. S. Rainey.
Alexander Monnie
W. W. Hayes.

Chas. McDonnell
Fred P. Fischer
J. D. McGilvray

MEMBERS.**Architectural Iron Works**

Acme Iron Works.
Bay City Iron Works.
Brode Iron Works
Central Iron Wks.
Dyer Bros.
Eureka Iron Wks
Kell Iron Works
Kortick - Falls Mfg Co.
G. G. Structural Iron Works.
Hillard, C. J. Co.
Judson Mfg. Co.
Mortenson Cons. Co.
Michaels & Pfeiffer
Phoenix Iron Wks
Ralston Iron Wks
Lorenz Schaffer & Co.
Schneider Iron Works.
St. Francis Orn. Iron Works
Telger & Kerr Stove & Foundry Co.
Vulcan Iron Wks.
Western Iron Wks
Withington, C. W.

Art Glass.

Ingerson & Glaser Co.

Blacksmith.

Paul Kleiber

Bonds.

Costello, J. T.
Aetna Life Ins. Co
Boole, F. W.
Empire State Surety Co.
Fidelity & Deposit Co. of Maryland
Gale, M. A.
Guyett & Co., R. G.
Hillman & Son, J. R.
Jones, Edward M.
Lawton, A. F.
Lloyd & Spengler
MacMeans, H. V.
Pacific Coast Specialty Co.
Perley, A. E.
Smith, Leo J.
United States Metal Products Co.
United States Fidelity and Guaranty Co.

Brick and Pottery.

Bay Development Co.
Cal. Brick Co.
Carey, J. E.
Carnegie Brick & Pottery Co.
Carquinez Brick & Pottery Co.
McNear Brick Co., E. B.
Peterson - Kartschoke Brick Co.
Remillard Bk. Co Sacramento
Trans. Co.
Steiger T. C. and Pottery Wks.
Thermos Brick Co

Building Material.

California Building Material City Supply Co.
Fernald Co., The
Kortick - Falls Mfg Co.
Holland, J. P.
Howard Co.
J. E. Lennon.
Johns-Manville Co
Pacific Bldg. Material Co.
Pacific Refining & Roofing Co.
Parrott & Co.
Paraffine Paint Co
Pratt Building & Material Co.
United Material Co
Waterhouse & Price Co.
Western Bldgs' Supply Co.

Cement Dealers

Balfour, Guthrie Co.
Cowell Lime & Cement Co.
Holmes Lime & Cement Co.
Holland, J. P.
Maynard, Jr., J. L.
Meyer, A. F.
Pacific Portland Cement Co.
Western Building Materials Co.
Standard Portland Cement Co.

Clay Products.

Cal Brick Co.
Stanquist, Edward

Concrete.

Chase, Silas A.
Camp & Carillon.
Duncanson, Harrelson Co.
Forbes, R. J. H.
Foster & Vogt.
Goodman Artificial Stone Co.
Hau, C. C. W.
Leonard, J. J.
Lynch, A.
Pasqualetti, J.
Petersen, H. L.
Sartorio, Charles
Stankulst, Victor
Zimmerman, L. M.

Concrete Reinforcement.

Pacific Building Material Co.

Contractors & Builders.

Allen, Alex. M.
Anderson, W. W.
Arthur, L.
Boring, F. H.
Born & Son, S. A.
Brady, C. A.
Braunton Bros.
Buller, Thos.
Burdick, Wm. A.
Caldwell & Co.
Cameron & Diss-ton.
Cavanaugh, Thos. A.
Chisholm, R. A.
Cobby, J. W.
Coburn, I. W., Inc.
Concannon, W. N.
Conrad, H.
Creghino & Son, Lewis
Davis & Son, T. F.
Dewar, R. & Son.
Elam, Thos. & Son
Elliott, E. W.
Fahy, R.
Fischer, Fred.
Franz, Val.
Gillespie, G. G.
Gallagher, Frank.
Gardiser, Florent.
Greig, Robt.
Hansbrough Bros.
Healey - Tibbits Con Co.
Hinson, L. A.
Holm & Son.
Howkins, A.
Ingerson, C. A.
Jacks, H.
Jones, Paul
Jones, W. G.
Kent, S. H.
Knowles & Reichley.
Leiter, E. T. & Sons.
Lynch, W. C.

Masow & Morrison

Mathews Con. Co.
Mathies, H. C.
McBain, J.
McKillican, R and Wm.

Miller, Adam.

Moller, R. W.
Morey, H. B. & Son
Owsley, B. T.
Penny, Isaac.

McLeran & Peterson.

Robinson & Gillespie.
Simmen, John.
Smith, J. W. & Son
Spence, A. T.
Stockholm & Allyn.

Terrill, G. C.

Vesina, L. N.
Warwick, H. C.
White Bros. (carpenters).
Wilhelm, A. H.

Cornice Works.

Amsler, C. S.
Berger Mfg. Co.
Capitol Sheet Mtl. Works.
Comyns & Childers.
Conlin, J.
Cronan, Wm.
Forderer Cornice Works.
Guilfooy Cornice Works.
Appmann Cornice Works.
Heldt, Wesley.
Morrison & Clark.
S. F. Cornice Co.
Western Furnace & Cornice Wks.

Contracting Lather.

Dennis, J. B.
Hayden, Fred
Lynch, Richard

Curbing, Granite.

McLeneagan, S. B.

Damp Proofers.

Brickley, P. J.
Reigle & Jamison

Door Openers.

Rischmuller Geo.

Electrical.

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